

SERVICES YOU COUNT ON

**Reliability Compliance Report to the
Missouri Public Service Commission**

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Section 1

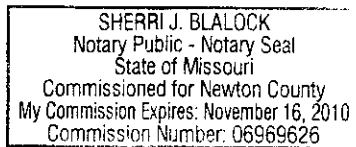
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State of Missouri)
)ss
County of Jasper)

I, Michael E. Palmer, having been duly sworn upon my oath, state that I am the Vice President of Commercial Operation of The Empire District Electric Company (Empire), that I am duly authorized to make this affidavit on behalf of Empire, and that the matters and things stated in the foregoing are true and correct to the best of my information, knowledge and belief.

Michael E. Palmer

Subscribed and sworn before me this 30 day of June, 2009.



Sherri J. Blalock
Notary Public

Introduction

The Empire District Electric Company (Empire) has adjusted its existing infrastructure inspection program to comply with the requirements of Missouri's Electrical Corporation Infrastructure Standards 4 CSR 240-23.020. Empire created the System Reliability department to specifically manage the infrastructure inspections, corrective action monitoring, data management and reporting necessary to comply with 4 CSR 240-23.020. Empire obtained bids in the fall of 2008 from experienced inspection companies and selected Osmose Utility Services, Inc. (Osmose) to aid in performing its infrastructure inspections for 2008 – 2011. Empire continues to use Aerial Patrol Inc. (Aerial Patrol) to perform an annual aerial patrol inspection of the transmission system. Empire also purchased and began implementation of a work management software solution (Maximo) to maintain the records associated with the infrastructure inspections and corrective actions.

Osmose plans to utilize approximately 16 personnel to perform infrastructure inspections. Osmose is currently performing inspections on Empire facilities for the 2009 calendar year.

Empire anticipates the infrastructure inspection program will continue to evolve during the first full inspection cycle. This evolution is necessary to streamline the inspection processes, improve the identification of equipment problems and improve data collected for corrective actions.

Empire has developed a priority rating system to classify corrective actions and provide appropriate remediation schedules. The priority rating system allows Empire to balance its resources to remediate corrective actions in a timely and economical manner while improving the service reliability to its customers. Only items identified during the course of infrastructure inspections will be rated using this system. A listing of the priority ratings, description, and corresponding scheduling period are detailed in the table below.

Priority Rating	Description	Corrective Action Scheduling Period
5	Emergency/Safety/Load Limiting/Customer Outage	Immediate
4	Urgent/May Affect Load	180 days
3	Time Critical/Seasonal	365 days
2	Routine/Non-Critical	365 days
1	Project/Operational Improvements	Empire's discretion

Compliance Statement

The Empire District Electric Company has complied with the rules established in the State of Missouri's Electrical Corporation Infrastructure Standards, 4 CSR 240-23.020 for the 2008 calendar year.

2008 Inspection Results Summary

Empire conducted intrusive inspections on 1456 transmission structures of the 1541 scheduled in December of 2008 using the services provided by Osmose. The remaining 85 structures have been scheduled for inspection in 2009 as specified in the inspection recovery plan in Table 2. Since the inspections occurred in late 2008, no corrective actions were scheduled for 2008. All required corrective actions identified during the 2008 inspection have been scheduled in 2009 as shown in Table 3.

Empire also conducted an aerial patrol of all 18968 transmission structures using the services of Aerial Patrol. Since the patrol inspection was completed in 2008, no patrol inspections are required in the inspection recovery plan in Table 2. No corrective actions were scheduled for 2008. All required corrective actions identified during the 2008 aerial patrol have been scheduled in 2009 as shown in Table 3.

The 2008 inspection results summary for each inspection type is provided in Table 1. The summary identifies the inspection type and corresponding number of priority ratings for items discovered during inspection. Several poles were unable to be inspected due to inability to gain access from the property owner. These inspections have been scheduled for the 2009 calendar year and are part of the inspection schedule recovery plan, as shown in Table 2.

No other inspections were conducted during 2008. All other inspection types were scheduled to begin in 2009 and are currently ongoing or will begin in the near future.

Table 1 - 2008 Transmission Inspection Results Summary

Inspection Type	Equipment Type	Scheduled	Inspected	Rating		Percentage		Priority I	Priority II	Priority III	Priority IV	Corrective Action Needed	Corrective Action Completed	Corrective Action not Completed	Corrective Action Percentage
				Pass	Fail	Pass	Fail								
Patrol	Poles	18968	18968	18562	406	97.86%	2.14%	397	4	3	2	406	0	406	0.00%
Detailed	Poles	0	0	0	0	0.00%	0.00%	0	0	0	0	0	0	0	0.00%
Intrusive	Poles	1541	1456	1382	74	0.00%	0.00%	0	65	0	9	74	0	74	0.00%

2008 Inspection Recovery Plan

The 2008 Inspection Schedule Recovery Plan is shown in Table 2. This plan outlines the recovery schedule for all 2008 scheduled inspections that were not completed. These inspections have all been scheduled for the 2009 calendar year.

2008 Inspection Schedule Recovery Plan			
	Equipment	Recovery	Recovery
Substation Description	Type	Inspections	Schedule
25-0 (59 - Joplin 26th St) (64 - Joplin 10th St)	Pole	2	2009
30-1 (109 - Atlas Jct) (315 - Solar Tap)	Pole	2	2009
30-1 (315 - Solar Tap) (315 - Solar)	Pole	4	2009
32-0 (145 - Joplin West 7th St) (64 - Joplin 10th St)	Pole	3	2009
32-2 (109 - Atlas Jct) (315 - Solar Jct)	Pole	5	2009
32-2 (315 - Solar Jct) (315 - Solar)	Pole	8	2009
Total		24	

2008 Corrective Action Schedule

No corrective actions were scheduled for 2008.

2008 Corrective Action Recovery Plan

No corrective action recovery plan is needed for 2008 scheduled corrective action.

2009 Corrective Action Schedule

Corrective action for the 2009 year includes all problems identified during the 2008 inspections and will be amended to include all appropriate problems identified using the priority rating system during the 2009 inspection. The 2008 transmission inspections yielded the corrective action summary as listed in table 3. No distribution inspections occurred in 2008, thus no summary is provided.

Table 3 - 2009 Transmission Corrective Action Schedule

Inspection Type	Corrective Action Remediation	Priority I	Corrective Action Schedule	Priority II	Corrective Action Schedule	Priority III	Corrective Action Schedule	Priority IV	Corrective Action Schedule
Patrol	406	397	N/A	4	12/31/09	3	12/31/09	2	6/30/09
Detail	NO DETAIL INSPECTIONS PERFORMED IN 2008								
Intrusive	74	0	N/A	65	12/31/09	0	N/A	9	6/30/09
Total	480	397		69		3		11	

Section 2

Revised Inspection Schedule

The distribution and transmission inspection schedules for all inspection types for the calendar year 2009 through 2021 have been revised. The revisions were necessary due to data errors, additional circuits, and recovery plan inspections.

Distribution Patrol Inspection Schedule

Empire District Electric Company

Infrastructure Distribution Patrol Summary

4 Year Maintenance Cycle

Area	Total		2009 Miles		2010 Miles		2011 Miles		2012 Miles		2013 Miles		2014 Miles		2015 Miles		2016 Miles		2017 Miles		2018 Miles		2019 Miles		2020 Miles		2021 Miles											
	Meters	Miles	Scheduled		Scheduled		Scheduled		Scheduled		Scheduled		Scheduled		Scheduled		Scheduled		Scheduled		Scheduled		Scheduled		Scheduled		Scheduled											
209	17146	385.2	42.9	61.1	42.8	54.9	25.9	58.0	0.0	47.3	52.2	42.9	61.1	42.8	54.9	25.9	58.0	0.0	47.3	52.2	42.9	61.1	42.8	54.9	25.9	58.0	0.0	47.3	52.2	42.9	61.1	42.8	54.9	25.9	58.0			
211	7859	143.2	33.3	20.3	17.5	12.2	28.0	0.0	0.0	13.4	18.5	33.3	20.3	17.5	12.2	28.0	0.0	0.0	13.4	18.5	33.3	20.3	17.5	12.2	28.0	0.0	0.0	13.4	18.5	33.3	20.3	17.5	12.2	28.0	0.0	0.0		
212	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
213	7955	190.5	18.6	22.7	6.6	45.2	32.3	0.0	43.1	22.0	18.6	22.7	6.6	45.2	32.3	0.0	43.1	22.0	18.6	22.7	6.6	45.2	32.3	0.0	43.1	22.0	18.6	22.7	6.6	45.2	32.3	0.0	43.1	22.0	18.6	22.7	6.6	45.2
214	27424	427.0	49.8	62.6	59.3	47.3	42.7	59.4	56.9	49.0	49.8	49.8	59.3	47.3	42.7	59.4	56.9	49.0	49.8	49.8	59.3	47.3	42.7	59.4	56.9	49.0	49.8	49.8	59.3	47.3	42.7	59.4	56.9	49.0	49.8	49.8	59.3	
215	10364	198.5	22.2	41.4	18.8	26.7	38.0	11.2	19.3	20.8	22.2	41.4	18.8	26.7	38.0	11.2	19.3	20.8	22.2	41.4	18.8	26.7	38.0	11.2	19.3	20.8	22.2	41.4	18.8	26.7	38.0	11.2	19.3	20.8	22.2	41.4	18.8	26.7
216	4324	84.0	15.3	3.2	0.0	34.5	10.0	20.9	0.0	0.0	0.0	15.3	3.2	0.0	34.5	10.0	20.9	0.0	0.0	0.0	15.3	3.2	0.0	34.5	10.0	20.9	0.0	0.0	34.5	10.0	20.9	0.0	0.0	34.5	10.0	20.9		
217	11548	262.3	48.1	42.0	25.8	46.5	42.0	16.0	2.6	39.3	48.1	42.0	16.0	2.6	39.3	48.1	42.0	16.0	2.6	39.3	48.1	42.0	16.0	2.6	39.3	48.1	42.0	16.0	2.6	39.3	48.1	42.0	16.0	2.6	39.3	48.1	42.0	
Total	86620	1691	230.1	253.2	170.9	267.5	219.0	165.6	182.6	201.8	230.1	230.1	170.9	253.2	170.9	253.2	230.1	230.1	170.9	253.2	170.9	253.2	170.9	253.2	230.1	230.1	170.9	253.2	230.1	230.1	170.9	253.2	230.1	230.1	170.9	253.2		
Running			13.6%	28.6%	38.7%	54.5%	67.5%	77.3%	88.1%	100.0%	113.6%	128.6%	138.7%	154.5%	167.5%	182.6	201.8	230.1	253.2	170.9	253.2	170.9	253.2	170.9	253.2	230.1	230.1	170.9	253.2	230.1	230.1	170.9	253.2	230.1	230.1	170.9	253.2	

6 Year Maintenance Cycle

Area	Total		2009 Miles		2010 Miles		2011 Miles		2012 Miles		2013 Miles		2014 Miles		2015 Miles		2016 Miles		2017 Miles		2018 Miles		2019 Miles		2020 Miles		2021 Miles	
	Meters	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	
209	2896	106.0	33.7	42.4	0.0	21.0	0.0	8.9	29.7	44.5	0.0	0.0	83.7	134.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.7	
211	13296	737.4	47.8	111.4	55.3	55.1	113.9	29.7	49.4	144.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	148.9	47.8	
212	17021	829.1	0.0	144.9	148.9	130.9	207.4	49.4	37.3	88.9	37.1	65.1	97.2	0.0	64.1	59.9	28.8	34.4	22.5	315.6	527.1	515.3	439.6	624.0	429.1	216.0	392.3	
213	9894	595.3	67.9	51.8	25.9	60.8	49.5	37.3	34.0	8.5	19.0	6121.1	6627.3	96.4%	103.9%	353.8	346.7	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	49.4	
214	4706	273.8	80.5	43.0	0.0	0.0	86.4	0.0	0.0	23.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.5	
215	12443	662.7	28.8	13.4	119.3	59.3	86.4	34.0	49.8	63.4	74.2	109.0	59.5	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	28.8	
216	18488	833.6	34.4	76.3	91.4	56.6	107.3	52.4	25.9	6.9	19.0	6121.1	6627.3	96.4%	103.9%	353.8	346.7	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	28.8	
217	180694	6429.3	22.5	43.9	74.6	56.0	59.4	25.9	6.9	19.0	6121.1	6627.3	96.4%	103.9%	353.8	346.7	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	34.4	
total	259438	10467.3	315.6	527.1	515.3	439.6	624.0	429.1	216.0	392.3	6627.3	96.4%	103.9%	353.8	346.7	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	110.7%	365.0	
tunning			3.0%	8.1%	13.0%	17.2%	23.1%	27.2%	29.3%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	33.0%	110.7%	

Empire District

Totals	346058	12157.9	545.7	780.3	686.2	707.1	843.0	594.7	398.6	594.1	6857.4	684.2	524.6	614.2	584.0
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Company Totals		Total		2009 Miles		2010 Miles		2011 Miles		2012 Miles		2013 Miles		2014 Miles		2015 Miles		2016 Miles		2017 Miles		2018 Miles		2019 Miles		2020 Miles		2021 Miles	
Area	Meters	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled	Miles	Scheduled
209	20042	491.2	76.6	103.5	42.8	75.9	25.9	58.0	56.2	52.2	42.9	61.1	42.8	54.9	59.7														
211	21155	880.6	81.1	131.7	72.8	67.3	142.0	73.8	43.1	63.0	117.0	154.4	17.5	80.4	75.9														
212	17021	829.1	0.0	144.9	148.9	130.9	207.4	92.9	49.4	144.9	148.9	130.9	207.4	92.9	49.4														
213	17849	785.8	86.4	74.5	32.5	106.0	81.8	57.8	80.5	110.9	55.7	79.6	83.9	100.1															
214	32130	700.8	130.3	105.6	59.3	47.3	42.7	94.0	56.9	72.0	114.9	62.6	59.3	75.0	123.2														
215	22807	861.2	51.0	54.8	138.0	86.1	124.4	103.1	53.3	29.3	119.4	41.4	82.9	86.6	66.9														
216	22812	917.7	49.7	79.5	91.4	91.1	117.3	73.4	49.8	63.4	89.5	112.2	94.0	44.4															
217	192242	6691.6	70.5	85.9	100.4	102.5	101.4	41.9	9.5	58.3	6169.1	42.0	25.8	46.5	64.5														
Total	346058	12157.9	545.7	780.3	686.2	707.1	843.0	594.7	398.6	594.1	6857.4	684.2	524.6	614.2	584.0														

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State Totals

Area	Total Meters	Total Miles	2009 Miles Scheduled	2010 Miles Scheduled	2011 Miles Scheduled	2012 Miles Scheduled	2013 Miles Scheduled	2014 Miles Scheduled	2015 Miles Scheduled	2016 Miles Scheduled	2017 Miles Scheduled	2018 Miles Scheduled	2019 Miles Scheduled	2020 Miles Scheduled	2021 Miles Scheduled
MO	323994	11135	545.7	614.5	537.3	519.6	614.0	501.8	349.2	421.6	6708.5	500.7	313.0	505.1	534.6
KS	10387	529.6	0.0	126.0	96.3	130.9	65.9	12.8	49.4	126.0	96.3	130.9	65.9	12.8	49.4
OK	7197	312	0.0	18.9	52.6	0.0	163.2	80.1	0.0	18.9	52.6	0.0	141.6	80.1	0.0
AR	4480	172.4	0.0	20.9	0.0	56.6	0.0	0.0	0.0	27.6	0.0	52.6	4.2	16.3	0.0
Total	348058	12149.3	545.7	780.3	686.2	707.1	843.0	594.7	398.6	594.1	6857.4	684.2	524.6	614.2	584.0

State 4 Year Maintenance Totals

Area	Total Meters	Total Miles	2009 Miles Scheduled	2010 Miles Scheduled	2011 Miles Scheduled	2012 Miles Scheduled	2013 Miles Scheduled	2014 Miles Scheduled	2015 Miles Scheduled	2016 Miles Scheduled	2017 Miles Scheduled	2018 Miles Scheduled	2019 Miles Scheduled	2020 Miles Scheduled	2021 Miles Scheduled
MO	86057	1669	230.1	253.2	170.9	267.5	219.0	165.6	162.6	201.8	230.1	253.2	170.9	267.5	219.0
KS	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OK	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AR	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	86057	1669.3	230.1	253.2	170.9	267.5	219.0	165.6	182.6	201.8	230.1	253.2	170.9	267.5	219.0

State 6 Year Maintenance Totals

Area	Total Meters	Total Miles	2009 Miles Scheduled	2010 Miles Scheduled	2011 Miles Scheduled	2012 Miles Scheduled	2013 Miles Scheduled	2014 Miles Scheduled	2015 Miles Scheduled	2016 Miles Scheduled	2017 Miles Scheduled	2018 Miles Scheduled	2019 Miles Scheduled	2020 Miles Scheduled	2021 Miles Scheduled
MO	237937	9465.8	315.6	361.3	366.4	252.2	373.4	336.2	166.6	219.8	6478.4	247.4	142.1	237.6	315.6
KS	10387	529.6	0.0	126.0	96.3	130.9	65.9	12.8	49.4	126.0	96.3	130.9	65.9	12.8	49.4
OK	7197	312	0.0	18.9	52.6	0.0	163.2	80.1	0.0	18.9	52.6	0.0	141.6	80.1	0.0
AR	4480	172.4	0.0	20.9	0.0	56.6	0.0	0.0	0.0	27.6	0.0	52.6	4.2	16.3	0.0
Total	260001	10480.0	315.6	527.1	515.3	439.6	602.4	429.1	216.0	392.3	6627.3	431.0	353.8	346.7	365.0

State 4 Year Maintenance Running Percentage for that State

Area	Total Meters	Total Miles	2009 Miles Scheduled	2010 Miles Scheduled	2011 Miles Scheduled	2012 Miles Scheduled	2013 Miles Scheduled	2014 Miles Scheduled	2015 Miles Scheduled	2016 Miles Scheduled	2017 Miles Scheduled	2018 Miles Scheduled	2019 Miles Scheduled	2020 Miles Scheduled	2021 Miles Scheduled
MO	86057	1669.3	13.8%	29.0%	39.2%	55.2%	68.3%	78.3%	89.2%	101.3%	115.1%	130.2%	140.5%	156.5%	169.6%
KS	0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
OK	0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
AR	0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	86057	1669.3	13.8%	29.0%	39.2%	55.2%	68.3%	78.3%	89.2%	101.3%	115.1%	130.2%	140.5%	156.5%	169.6%

State 6 Year Maintenance Running Percentage for that State

Area	Total Meters	Total Miles	2009 Miles Scheduled	2010 Miles Scheduled	2011 Miles Scheduled	2012 Miles Scheduled	2013 Miles Scheduled	2014 Miles Scheduled	2015 Miles Scheduled	2016 Miles Scheduled	2017 Miles Scheduled	2018 Miles Scheduled	2019 Miles Scheduled	2020 Miles Scheduled	2021 Miles Scheduled
MO	237937	9465.8	3.3%	7.2%	11.0%	13.7%	17.6%	21.2%	22.9%	25.3%	33.7%	96.3%	97.8%	100.3%	103.7%
KS	10387	529.6	0.0%	23.8%	42.0%	66.7%	79.1%	81.5%	90.9%	114.7%	132.8%	157.6%	170.0%	172.4%	181.7%
OK	7197	312.3	0.0%	6.1%	22.9%	22.9%	75.2%	100.8%	100.8%	106.9%	123.7%	123.7%	169.1%	194.7%	194.7%
AR	4480	172.4	0.0%	12.1%	12.1%	44.9%	44.9%	44.9%	44.9%	60.9%	60.9%	91.4%	93.9%	103.3%	103.3%
Total	260001	10480.0	3.3%	49.1%	88.0%	148.2%	216.8%	248.4%	259.5%	307.7%	411.2%	469.0%	530.8%	570.8%	583.4%

Empire District Electric

Infrastructure Management - Patrol Inspection

Circuit ID	Area	Sub	State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
3121	209	312	MO	1053	17.8	59.1	4	0.0	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8	0.0	0.0	0.0
3311	209	331	MO	635	16.2	39.3	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	0.0	0.0	0.0	0.0	0.0
3312	209	331	MO	17	4.7	3.6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0
3313	209	331	MO	511	20.1	25.4	4	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	0.0
3314	209	331	MO	207	7.1	29.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0
3315	209	331	MO	1032	31.4	32.9	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.4	0.0	0.0	0.0	0.0
3871	209	387	MO	1215	14.6	83.3	4	0.0	0.0	0.0	14.6	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0
3872	209	387	MO	896	13.2	68.0	4	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3873	209	387	MO	1815	40.2	45.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.2	0.0	0.0	0.0	0.0	0.0
3874	209	387	MO	186	6.5	28.7	4	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0
4101	209	410	MO	553	16.5	33.5	4	0.0	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.5	0.0	0.0	0.0
4102	209	410	MO	800	20.9	38.3	4	0.0	0.0	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	0.0	0.0
4131	209	413	MO	179	6.8	26.5	4	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4132	209	413	MO	408	6.2	66.2	4	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4133	209	413	MO	298	10.6	28.1	4	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6	0.0	0.0	0.0	0.0
4134	209	413	MO	782	15.2	51.5	4	0.0	0.0	0.0	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4135	209	413	MO	61	2.9	20.8	4	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4136	209	413	MO	601	7.0	85.6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4137	209	413	MO	719	10.7	67.3	4	0.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.7	0.0	0.0	0.0
4138	209	413	MO	694	12.6	55.2	4	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6
4331	209	433	MO	273	13.4	20.4	4	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4
4332	209	433	MO	203	5.7	35.5	4	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0
4333	209	433	MO	389	12.2	31.9	4	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	0.0
4334	209	433	MO	377	7.1	52.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4381	209	438	MO	208	22.0	9.5	4	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0
4383	209	438	MO	319	12.9	24.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4385	209	438	MO	1090	17.4	62.7	4	0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0
4386	209	438	MO	1625	13.5	120.4	4	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0
Total				17146	385.2			42.9	61.1	42.8	54.9	25.9	58.0	47.3	52.2	42.9	61.1	42.8	54.9	25.9
2951	209	295	MO	1268	42.4	29.9	6	0.0	42.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2952	209	295	MO	140	8.9	15.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0
3122	209	312	MO	818	33.7	24.3	6	33.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.7
3123	209	312	MO	670	21.0	31.8	6	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total				2896	106.0			33.7	42.4	0.0	21.0	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	33.7

Empire District Electric

Infrastructure Management - Patrol Inspection

Circuit ID	Area	Sub	State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
1242	211	124	MO	663	7.5	88.8	4	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0
1243	211	124	MO	974	18.5	52.6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	0.0	0.0	0.0	0.0	0.0
2211	211	221	MO	721	20.3	35.5	4	0.0	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	0.0	0.0	0.0
3551	211	355	MO	1005	12.2	82.2	4	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	0.0
3591	211	359	MO	984	21.6	45.6	4	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3593	211	359	MO	986	10.0	98.4	4	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0
3594	211	359	MO	524	13.4	39.2	4	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0
4511	211	451	MO	1546	28.0	55.2	4	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0
4512	211	451	MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4513	211	451	MO	456	11.7	39.1	4	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7	0.0	0.0	0.0	0.0
Total				7859.0	143.2			33.3	20.3	17.5	12.2	28.0	0.0	13.4	18.5	33.3	20.3	17.5	12.2	28.0
1241	211	124	MO	831	31.1	26.7	6	31.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.1
1521	211	152	MO	347	31.2	11.1	6	0.0	31.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1522	211	152	MO	138	16.7	8.3	6	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7
1523	211	152	MO	697	55.0	12.7	6	0.0	0.0	0.0	0.0	0.0	55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2051	211	205	MO	157	17.5	9.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5	0.0	0.0	0.0	0.0	0.0
2052	211	205	MO	440	18.8	23.4	6	0.0	0.0	0.0	0.0	0.0	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2212	211	221	MO	1097	55.3	19.8	6	0.0	0.0	55.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2622	211	262	MO	111	12.2	9.1	6	0.0	0.0	0.0	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0	0.0
3552	211	355	MO	550	18.4	29.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	0.0
3553	211	355	MO	949	49.8	19.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8	0.0
3592	211	359	MO	1534	55.1	27.9	6	0.0	0.0	0.0	55.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3621	211	362	MO	1135	73.5	15.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3901	211	390	MO	862	30.9	27.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	0.0	0.0	0.0	0.0	0.0
3902	211	390	MO	93	10.3	9.1	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0
3903	211	390	MO	276	13.6	20.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	0.0	0.0	0.0	0.0	0.0
4371	211	437	MO	2169	113.9	19.0	6	0.0	0.0	0.0	0.0	113.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4372	211	437	MO	575	53.9	10.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.9	0.0	0.0	0.0
4601	211	460	MO	401	46.2	8.7	6	0.0	46.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.2	0.0	0.0	0.0
4602	211	460	MO	934	33.9	27.6	6	0.0	33.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.9	0.0	0.0	0.0
Total				13296.0	737.4			47.8	111.4	55.3	55.1	113.9	73.8	29.7	44.5	83.7	134.1	0.0	68.2	47.8

Empire District Electric

Infrastructure Management - Patrol Inspection

Circuit ID	Area	Sub State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
1861	212	186 OK	711	34.8	20.4	6	0.0	0.0	34.8	0.0	0.0	0.0	0.0	0.0	34.8	0.0	0.0	0.0	0.0
2712	212	271 OK	1169	54.6	21.4	6	0.0	0.0	0.0	0.0	0.0	54.6	0.0	0.0	0.0	0.0	0.0	54.6	0.0
2912	212	291 OK	714	25.4	28.1	6	0.0	0.0	0.0	0.0	0.0	25.4	0.0	0.0	0.0	0.0	0.0	25.4	0.0
3631	212	363 OK	1233	62.1	19.8	6	0.0	0.0	0.0	0.0	62.1	0.0	0.0	0.0	0.0	0.0	62.1	0.0	0.0
3771	212	377 OK	1086	66.4	16.4	6	0.0	0.0	0.0	0.0	66.4	0.0	0.0	0.0	0.0	0.0	66.4	0.0	0.0
3772	212	377 OK	10	1.7	5.8	6	0.0	1.7	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0
3773	212	377 OK	119	17.2	6.9	6	0.0	17.2	0.0	0.0	0.0	0.0	0.0	17.2	0.0	0.0	0.0	0.0	0.0
3811	212	381 OK	859	13.1	65.7	6	0.0	0.0	0.0	0.0	13.1	0.0	0.0	0.0	0.0	0.0	13.1	0.0	0.0
3812	212	381 OK	720	16.0	44.9	6	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0
4281	212	428 OK	13	1.8	7.2	6	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
6601	212	66 KS	787	49.4	15.9	6	0.0	0.0	0.0	0.0	0.0	0.0	49.4	0.0	0.0	0.0	0.0	0.0	49.4
6602	212	66 KS	499	20.1	24.8	6	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0
2711	212	271 KS	237	59.6	4.0	6	0.0	59.6	0.0	0.0	0.0	0.0	0.0	59.6	0.0	0.0	0.0	0.0	0.0
2781	212	278 KS	1	0.6	1.6	6	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
2782	212	278 KS	1457	54.6	26.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2783	212	278 KS	1119	45.1	24.8	6	0.0	0.0	0.0	0.0	45.1	0.0	0.0	0.0	0.0	0.0	45.1	0.0	0.0
2821	212	282 KS	424	9.9	42.8	6	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0
2822	212	282 KS	374	6.8	54.7	6	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0
2823	212	282 KS	524	25.4	20.6	6	0.0	0.0	25.4	0.0	0.0	0.0	0.0	0.0	25.4	0.0	0.0	0.0	0.0
2824	212	282 KS	923	17.3	53.3	6	0.0	0.0	17.3	0.0	0.0	0.0	0.0	0.0	17.3	0.0	0.0	0.0	0.0
2911	212	291 KS	1194	61.6	19.4	6	0.0	61.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2913	212	291 KS	879	12.8	68.7	6	0.0	0.0	0.0	0.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0	12.8	0.0
2914	212	291 KS	544	17.1	31.9	6	0.0	0.0	17.1	0.0	0.0	0.0	0.0	0.0	17.1	0.0	0.0	0.0	0.0
2991	212	299 KS	1	0.4	2.6	6	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
3391	212	339 KS	13	2.4	5.5	6	0.0	2.4	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	0.0	0.0	0.0
4061	212	406 KS	1220	114.2	10.7	6	0.0	0.0	0.0	114.2	0.0	0.0	0.0	0.0	0.0	114.2	0.0	0.0	0.0
4062	212	406 KS	4	2.1	1.9	6	0.0	2.1	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0
4251	212	425 KS	185	36.0	5.1	6	0.0	0.0	36.0	0.0	0.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0
4441	212	444 KS	2	0.5	4.1	6	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
Total			17021.0	829.1			0.0	144.9	148.9	130.9	207.4	92.9	49.4	144.9	148.9	130.9	207.4	92.9	49.4

Empire District Electric

Infrastructure Management - Patrol Inspection

Circuit ID	Area	Sub State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
3671	213	367 MO	1058	16.7	63.2	4	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0
3672	213	367 MO	145	1.8	79.2	4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
3673	213	367 MO	257	21.6	11.9	4	0.0	0.0	0.0	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.0
3674	213	367 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3675	213	367 MO	414	6.6	62.7	4	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0
4091	213	409 MO	1105	22.7	48.7	4	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4182	213	418 MO	930	23.6	39.4	4	0.0	0.0	0.0	23.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6	0.0
4311	213	431 MO	964	11.5	84.1	4	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5
4312	213	431 MO	1412	43.1	32.7	4	0.0	0.0	0.0	0.0	0.0	0.0	43.1	0.0	0.0	0.0	0.0	0.0	0.0
4313	213	431 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6021	213	602 MO	597	22.0	27.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0
6022	213	602 MO	400	5.0	79.7	4	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0
6143	213	614 MO	363	8.8	41.2	4	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8
6144	213	614 MO	310	7.0	44.4	4	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0
Total			7955.0	190.5			18.6	22.7	6.6	45.2	32.3	0.0	43.1	22.0	18.6	22.7	6.6	45.2	32.3
2091	213	209 MO	815	57.0	14.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.0	0.0	0.0	0.0
2092	213	209 MO	820	32.3	25.4	6	0.0	0.0	0.0	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2171	213	217 MO	510	30.9	16.5	6	0.0	0.0	0.0	0.0	0.0	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2172	213	217 MO	207	34.4	6.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2491	213	249 MO	60	14.5	4.2	6	0.0	0.0	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0
2501	213	250 MO	77	4.3	17.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2511	213	251 MO	592	22.7	26.1	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2621	213	262 MO	1094	88.9	12.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	88.9	0.0	0.0	0.0	0.0	0.0
3041	213	304 MO	76	3.1	24.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3081	213	308 MO	549	28.4	19.3	6	0.0	0.0	0.0	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3082	213	308 MO	320	11.2	28.6	6	0.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3181	213	318 MO	686	49.5	13.8	6	0.0	0.0	0.0	0.0	49.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3231	213	323 MO	357	18.8	19.0	6	0.0	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3232	213	323 MO	422	19.8	21.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3421	213	342 MO	624	25.9	24.1	6	0.0	0.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3422	213	342 MO	950	37.1	25.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4092	213	409 MO	386	26.9	14.4	6	0.0	0.0	0.0	0.0	0.0	26.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4181	213	418 MO	453	21.8	20.8	6	0.0	21.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6141	213	614 MO	610	38.5	15.8	6	38.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.5
6142	213	614 MO	286	29.3	9.7	6	29.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.3
Total			9894.0	595.3			67.9	51.8	25.9	60.8	49.5	57.8	37.3	88.9	37.1	57.0	22.7	38.7	67.9

Infrastructure Management - Patrol Inspection

Circuit ID	Area	Sub State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
1225	214	59 MO	931	7.7	121.5	4	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0
1226	214	59 MO	339	4.2	80.7	4	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0
1227	214	59 MO	1164	20.3	57.3	4	0.0	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	0.0	0.0	0.0
1228	214	59 MO	491	4.2	117.3	4	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0
1229	214	59 MO	1972	13.2	149.9	4	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0
401	214	64 MO	102	0.8	133.1	4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
402	214	64 MO	107	1.9	57.6	4	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0
403	214	64 MO	254	2.7	95.2	4	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0
404	214	64 MO	166	1.3	131.4	4	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
405	214	64 MO	43	0.6	71.8	4	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
406	214	64 MO	70	0.7	103.5	4	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0
407	214	64 MO	98	0.9	103.6	4	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0
432	214	100 MO	83	1.1	76.8	4	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
433	214	100 MO	40	0.6	71.0	4	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
434	214	100 MO	28	0.8	35.4	4	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0
1451	214	145 MO	481	12.4	38.8	4	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0
1453	214	145 MO	1762	20.9	84.1	4	0.0	0.0	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	0.0	0.0
1454	214	145 MO	892	14.4	61.8	4	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	0.0	0.0	0.0	0.0
1455	214	145 MO	505	8.3	60.9	4	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0
1261	214	258 MO	396	4.8	82.2	4	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0
1262	214	258 MO	198	5.5	35.8	4	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0
1263	214	258 MO	1364	15.3	89.0	4	0.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0	0.0	0.0
1264	214	258 MO	41	4.1	10.0	4	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0
1265	214	258 MO	1209	14.0	86.6	4	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0
1267	214	258 MO	70	4.4	16.0	4	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
451	214	284 MO	0	0.4	0.0	4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
452	214	284 MO	0	0.1	0.0	4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
453	214	284 MO	126	1.0	124.0	4	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
454	214	284 MO	102	1.7	59.9	4	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0
455	214	284 MO	73	0.9	79.1	4	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0
456	214	284 MO	45	0.7	66.9	4	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
457	214	284 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1273	214	341 MO	863	9.2	93.3	4	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0
1274	214	341 MO	8	2.1	3.9	4	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0
1281	214	360 MO	81	3.7	22.0	4	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0
1282	214	360 MO	891	13.5	66.0	4	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0
1283	214	360 MO	363	7.5	48.7	4	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1284	214	360 MO	663	9.7	68.2	4	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0
1285	214	360 MO	1126	15.8	71.4	4	0.0	0.0	0.0	15.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	0.0

Empire District Electric

Infrastructure Management - Patrol Inspection

Circuit ID	Area	Sub State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
1286	214	360 MO	43	2.6	16.8	4	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1287	214	360 MO	1	0.4	2.5	4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1230	214	372 MO	1131	12.5	90.7	4	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1231	214	372 MO	3	0.2	16.6	4	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1232	214	372 MO	1143	15.1	75.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1	0.0	0.0	0.0	0.0	0.0
1233	214	372 MO	629	5.0	127.0	4	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3911	214	391 MO	6	1.2	5.0	4	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3912	214	391 MO	1118	20.4	54.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	0.0
3914	214	391 MO	676	42.7	15.8	4	0.0	0.0	0.0	0.0	42.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.7
4222	214	422 MO	1533	13.4	114.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0
4223	214	422 MO	1207	13.2	91.3	4	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0
4224	214	422 MO	625	10.3	60.9	4	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0
4301	214	430 MO	606	7.1	85.8	4	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4302	214	430 MO	640	17.4	36.8	4	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4303	214	430 MO	767	28.7	26.7	4	0.0	0.0	28.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.7	0.0	0.0
4304	214	430 MO	130	3.3	39.8	4	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4471	214	447 MO	5	1.3	3.9	4	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4472	214	447 MO	14	1.2	11.5	4	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total			27424.0	427.0			49.8	62.6	59.3	47.3	42.7	59.4	56.9	49.0	49.8	62.6	59.3	47.3	42.7
1452	214	145 MO	397	21.0	18.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0	0.0	0.0
145D	214	145 MO	1	0.2	6.5	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
1271	214	341 MO	874	43.0	20.3	6	0.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1272	214	341 MO	13	1.9	6.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0
3891	214	389 MO	403	27.6	14.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.6	0.0
3892	214	389 MO	436	25.0	17.4	6	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
3893	214	389 MO	759	41.8	18.2	6	41.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.8
3894	214	389 MO	106	13.8	7.7	6	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8
3913	214	391 MO	1258	65.1	19.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.1	0.0	0.0	0.0	0.0
4221	214	422 MO	459	34.5	13.3	6	0.0	0.0	0.0	0.0	0.0	34.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total			4706.0	273.8			80.5	43.0	0.0	0.0	0.0	34.5	0.0	23.1	65.1	0.0	0.0	27.6	80.5

Empire District Electric

Infrastructure Management - Patrol Inspection

Circuit ID	Area	Sub State	Total Meters	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
1050	215	105 MO	1381	15.3	90.1	4	0.0	0.0	0.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0
1051	215	105 MO	1018	18.8	54.2	4	0.0	0.0	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0
1052	215	105 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1094	215	109 MO	968	26.7	0.0	4	0.0	26.7	0.0	0.0	0.0	0.0	0.0	0.0	26.7	0.0	0.0	0.0
1101	215	110 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1102	215	110 MO	589	14.7	40.2	4	0.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0	14.7	0.0	0.0	0.0
1103	215	110 MO	839	19.3	43.5	4	0.0	0.0	0.0	0.0	0.0	19.3	0.0	0.0	0.0	0.0	0.0	0.0
3661	215	366 MO	1064	22.0	48.4	4	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0
4173	215	417 MO	601	11.4	52.6	4	0.0	0.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	0.0
4321	215	432 MO	4	0.9	4.4	4	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4322	215	432 MO	85	2.6	32.8	4	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4323	215	432 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4324	215	432 MO	979	20.8	47.0	4	0.0	0.0	0.0	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	0.0
4361	215	436 MO	1420	22.2	64.0	4	22.2	0.0	0.0	0.0	0.0	0.0	0.0	22.2	0.0	0.0	0.0	0.0
4362	215	436 MO	774	7.7	100.4	4	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4363	215	436 MO	642	16.0	40.0	4	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0
Total			10364.0	198.5			22.2	41.4	18.8	26.7	38.0	11.2	19.3	22.2	41.4	18.8	26.7	38.0
1081	215	108 MO	20	4.4	4.5	6	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1082	215	108 MO	1252	119.3	10.5	6	0.0	0.0	119.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1083	215	108 MO	1	1.4	0.7	6	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1084	215	108 MO	5	1.2	4.2	6	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1091	215	109 MO	1545	97.2	15.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.2	0.0	0.0	0.0	0.0
1092	215	109 MO	1111	43.6	25.5	6	0.0	0.0	0.0	0.0	43.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1093	215	109 MO	206	8.5	24.4	6	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0	0.0	0.0
2492	215	249 MO	29	6.5	4.5	6	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3662	215	366 MO	1022	61.2	16.7	6	0.0	0.0	0.0	61.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3663	215	366 MO	267	28.8	9.3	6	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.8
3951	215	395 MO	1041	48.3	21.6	6	0.0	0.0	0.0	0.0	48.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3952	215	395 MO	360	36.9	9.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.9	0.0
4031	215	403 MO	620	23.0	26.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0
4171	215	417 MO	1102	34.0	32.4	6	0.0	0.0	0.0	0.0	0.0	34.0	0.0	0.0	0.0	0.0	0.0	0.0
4172	215	417 MO	1623	59.3	27.4	6	0.0	0.0	59.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4211	215	421 MO	1472	64.1	23.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.1	0.0	0.0
4212	215	421 MO	767	25.2	30.5	6	0.0	0.0	0.0	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total			12443.0	662.7			28.8	13.4	119.3	59.3	86.4	91.8	34.0	8.5	97.2	64.1	59.9	28.8

Empire District Electric

Infrastructure Management - Patrol Inspection

Circuit ID	Area	Sub State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
5601	216	56 MO	77	2.9	26.3	4	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5602	216	56 MO	479	10.0	47.8	4	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
5641	216	56 MO	403	3.2	125.4	4	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0
5642	216	56 MO	205	1.9	105.1	4	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2961	216	296 MO	1643	34.5	47.6	4	0.0	0.0	0.0	34.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.5	0.0
2962	216	296 MO	238	7.8	30.6	4	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0
2963	216	296 MO	1	0.3	3.1	4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3982	216	398 MO	718	7.5	95.1	4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0
4142	216	414 MO	560	15.7	35.6	4	0.0	0.0	0.0	0.0	0.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total			4324.0	84.0			15.3	3.2	0.0	34.5	10.0	20.9	0.0	0.0	15.3	3.2	0.0	34.5	10.0
5603	216	56 MO	1176	43.2	27.2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.2	0.0
1311	216	131 MO	238	22.9	10.4	6	0.0	22.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1312	216	131 MO	873	49.8	17.5	6	0.0	0.0	0.0	0.0	0.0	0.0	49.8	0.0	0.0	0.0	0.0	0.0	0.0
1841	216	184 MO	1497	56.4	26.5	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.4	0.0	0.0	0.0
1842	216	184 MO	192	16.3	11.8	6	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1843	216	184 MO	1027	43.7	21.5	6	0.0	0.0	43.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3221	216	322 MO	1162	34.4	33.8	6	34.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.4
3222	216	322 MO	936	32.3	29.0	6	0.0	0.0	0.0	0.0	32.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3261	216	326 AR	266	7.7	34.4	6	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3262	216	326 AR	36	1.0	36.8	6	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3263	216	326 AR	111	16.3	6.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	0.0
3471	216	347 MO	156	16.3	9.6	6	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3472	216	347 MO	1464	52.4	27.9	6	0.0	0.0	0.0	0.0	0.0	52.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3751	216	375 MO	1112	53.4	20.8	6	0.0	0.0	0.0	0.0	53.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3752	216	375 OK	563	21.6	26.1	6	0.0	0.0	0.0	0.0	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3921	216	392 AR	427	12.1	35.1	6	0.0	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3922	216	392 AR	1703	56.6	30.1	6	0.0	0.0	0.0	56.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3923	216	392 AR	1	4.2	0.2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0
3981	216	398 MO	1236	73.5	16.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.5	0.0	0.0	0.0	0.0
3991	216	399 MO	658	55.3	11.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.3	0.0	0.0
3992	216	399 MO	160	8.4	19.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0	0.0	0.0
4141	216	414 MO	86	14.5	6.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0
4431	216	443 MO	1265	47.6	26.6	6	0.0	0.0	47.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4432	216	443 MO	206	13.0	15.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0
4433	216	443 MO	1	0.7	1.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
7001	216	700 AR	1276	52.6	24.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.6	0.0	0.0	0.0
7002	216	700 AR	660	27.6	23.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total			18488.0	833.6			34.4	76.3	91.4	56.6	107.3	52.4	49.8	63.4	74.2	109.0	59.5	59.4	34.4

Empire District Electric

Infrastructure Management - Patrol Inspection

Circuit ID	Area	Sub State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
1141	217	114 MO	864	16.0	53.9	4	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3301	217	330 MO	200	2.6	77.0	4	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
3302	217	330 MO	607	14.0	43.3	4	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0
3303	217	330 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3304	217	330 MO	942	14.5	64.9	4	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0
3305	217	330 MO	8	0.7	12.2	4	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0
3694	217	369 MO	1163	28.0	41.6	4	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0
3702	217	370 MO	601	14.2	42.4	4	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2
4151	217	415 MO	1091	27.8	39.2	4	0.0	0.0	0.0	0.0	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8
4152	217	415 MO	803	25.0	32.1	4	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0
4153	217	415 MO	1012	25.8	39.2	4	0.0	0.0	0.0	25.8	0.0	0.0	0.0	0.0	0.0	0.0	25.8	0.0	0.0
4154	217	415 MO	951	20.8	45.6	4	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.8	0.0
4155	217	415 MO	1692	39.3	43.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.3	0.0	0.0	0.0	0.0	0.0
4156	217	415 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4342	217	434 MO	1614	33.5	48.1	4	33.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.5	0.0	0.0	0.0	0.0
Total			11548	262.3			48.1	42.0	25.8	46.5	42.0	16.0	2.6	39.3	48.1	42.0	25.8	46.5	42.0
8001	0	0 MO	173031	6079.2	28.5	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6079.2	0.0	0.0	0.0	0.0
1142	217	114 MO	198	15.3	12.9	6	0.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1211	217	121 MO	1388	74.6	18.6	6	0.0	0.0	74.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1212	217	121 MO	67	9.7	6.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0
1213	217	121 MO	519	28.6	18.2	6	0.0	28.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3331	217	333 MO	2	0.5	4.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0
3691	217	369 MO	1241	56.0	22.2	6	0.0	0.0	0.0	56.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3692	217	369 MO	401	19.0	21.1	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0
3693	217	369 MO	187	6.9	27.1	6	0.0	0.0	0.0	0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0
3701	217	370 MO	478	25.9	18.5	6	0.0	0.0	0.0	0.0	0.0	25.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3971	217	397 MO	625	22.5	27.8	6	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5
4341	217	434 MO	1805	59.4	30.4	6	0.0	0.0	0.0	0.0	59.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4343	217	434 MO	752	31.7	23.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.7	0.0	0.0	0.0	0.0
Total			180694	6429.3			22.5	43.9	74.6	56.0	59.4	25.9	6.9	19.0	6121.1	0.0	0.0	0.0	22.5

Distribution Detail Inspection Schedule

Empire District Electric Company

Infrastructure Distribution Detailed Inspection Summary

4 Year Maintenance Cycle

Area	Total Meters	Total Miles	2009 Miles		2010 Miles		2011 Miles		2012 Miles		2013 Miles		2014 Miles		2015 Miles		2016 Miles		2017 Miles		2018 Miles		2019 Miles		2020 Miles		2021 Miles	
			Scheduled	25.9	Scheduled	58.0	Scheduled	47.3	Scheduled	52.2	Scheduled	42.9	Scheduled	61.1	Scheduled	42.8	Scheduled	54.9	Scheduled	25.9	Scheduled	58.0	Scheduled	47.3	Scheduled	52.2	Scheduled	42.9
209	17146	385.2																										
211	7859	143.2		28.0		0.0	0.0	0.0	13.4	0.0	0.0	18.5	33.3	42.9	17.5	20.3	0.0	0.0	0.0	12.2	28.0	0.0	0.0	0.0	13.4	18.5	33.3	0.0
212	17021	829.1		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
213	7955	190.5		32.3		0.0	0.0	0.0	43.1	0.0	0.0	22.0	18.6	22.7	6.6	22.7	6.6	6.6	45.2	45.2	32.3	0.0	0.0	0.0	43.1	22.0	18.6	0.0
214	27424	427.0		42.7		59.4	59.4	56.9	56.9	19.3	20.8	49.0	49.8	62.6	59.3	41.4	62.6	47.3	47.3	26.7	38.0	11.2	59.4	56.9	49.0	49.8	49.8	22.2
215	10364	198.5		38.0		11.2	11.2	19.3	19.3	0.0	20.8	0.0	22.2	41.4	18.8	3.2	41.4	18.8	26.7	34.5	10.0	20.9	0.0	19.3	20.8	22.2	0.0	0.0
216	4324	84.0		42.0		20.9	20.9	0.0	0.0	2.6	39.3	0.0	15.3	48.1	25.8	42.0	0.0	0.0	46.5	42.0	2.6	16.0	0.0	0.0	39.3	48.1	15.3	0.0
217	11548	262.3		42.0		16.0	16.0	2.6	0.0	39.3	0.0	48.1	230.1	253.2	170.9	253.2	42.0	25.8	267.5	267.5	42.0	16.0	0.0	2.6	39.3	48.1	15.3	0.0
Total	103641	2519.8		219.0		165.6	165.6	182.6	182.6	22.5%	201.8	30.5%	230.1	230.1	170.9	253.2	42.0	25.8	267.5	267.5	219.0	165.6	182.6	201.8	230.1	230.1	48.1	0.0
Running				8.7%		15.3%	15.3%	22.5%	22.5%		30.5%		39.6%	39.6%	56.5%	49.7%		56.5%	67.1%	67.1%	75.8%	82.4%	89.6%	97.6%	106.7%	106.7%		

6 Year Maintenance Cycle

Area	Total Meters	Total Miles	2009 Miles		2010 Miles		2011 Miles		2012 Miles		2013 Miles		2014 Miles		2015 Miles		2016 Miles		2017 Miles		2018 Miles		2019 Miles		2020 Miles		2021 Miles					
			Scheduled	8.9	Scheduled	44.5	Scheduled	0.0	Scheduled	83.7	Scheduled	134.1	Scheduled	0.0	Scheduled	0.0	Scheduled	33.7	Scheduled	42.4	Scheduled	111.4	Scheduled	55.3	Scheduled	21.0	Scheduled	0.0	Scheduled	8.9		
209	2896	106.0		29.7		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
211	13296	737.1		29.7		44.5	44.5	44.5	83.7	134.1	0.0	68.2	68.2	47.8	0.0	0.0	0.0	111.4	55.3	55.3	55.1	113.9	0.0	0.0	73.8	29.7	0.0	0.0	0.0	0.0	0.0	
212	17021	829.1		0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
213	9894	595.3		37.3		88.9	88.9	88.9	37.1	57.0	22.7	38.7	38.7	67.9	27.6	67.9	51.8	25.9	60.8	60.8	49.5	0.0	0.0	57.8	37.3	0.0	0.0	0.0	0.0	0.0	0.0	
214	4706	273.8		0.0		23.1	23.1	23.1	65.1	0.0	0.0	0.0	0.0	0.0	80.5	43.0	43.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	34.5	0.0	0.0	0.0	0.0	0.0	0.0	
215	12443	662.7		34.0		8.5	8.5	8.5	97.2	0.0	64.1	59.9	59.9	28.8	43.2	28.8	13.4	119.3	91.4	91.4	86.4	85.7	52.4	49.8	49.8	6.9	0.0	0.0	0.0	0.0	0.0	
216	18488	833.6		49.8		35.9	35.9	35.9	74.2	56.4	55.3	43.2	43.2	34.4	34.4	34.4	55.4	91.4	91.4	0.0	85.7	52.4	49.8	49.8	25.9	6.9	0.0	0.0	0.0	0.0	0.0	
217	180694	6429.3		6.9		19.0	19.0	19.0	6121.1	0.0	0.0	0.0	0.0	22.5	22.5	22.5	43.9	74.6	74.6	56.0	59.4	59.4	25.9	25.9	6.9	0.0	0.0	0.0	0.0	0.0	0.0	
Total	259438	10467.0		166.6		219.8	219.8	219.8	6478.4	65.6%	247.4	67.9%	142.1	237.6	315.6	237.6	361.3	366.4	366.4	252.2	395.0	87.7%	336.2	395.0	336.2	166.6	92.5%	0.0	0.0	0.0	0.0	0.0
Running				1.6%		3.7%	3.7%	3.7%	65.6%		67.9%	69.3%	71.6%	74.6%	74.6%	71.6%	78.0%	81.5%	81.5%	84.0%	84.0%	87.7%	90.9%	90.9%	90.9%	92.5%	92.5%	92.5%	92.5%	92.5%	92.5%	92.5%

Empire District

Totals	363079	12986.8		385.6		385.4	385.4	385.4	6661.0		449.2		372.2	490.9	486.4		486.4	628.8	585.4	585.4	417.7	577.6		538.0	577.6	538.0	396.7			
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Company Totals		Total	Total	2009 Miles	2010 Miles	2011 Miles	2012 Miles	2013 Miles	2014 Miles	2015 Miles	2016 Miles	2017 Miles	2018 Miles	2019 Miles	2020 Miles	2021 Miles
Area	Meters	Miles	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled
209	20042	491.2	34.8	58.0	47.3	52.2	42.9	61.1	76.6	97.3	25.9	79.0	55.1	47.3	52.2	51.8
211	21155	880.3	57.8	44.5	97.1	152.6	33.3	88.5	65.3	123.6	83.3	55.1	127.3	92.3	92.3	63.0
212	34042	1658.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
213	17849	785.8	69.6	88.9	80.3	79.0	41.3	61.4	74.4	97.0	58.1	60.8	92.7	79.8	79.8	55.9
214	32130	700.8	42.7	82.5	122.0	49.0	49.8	90.2	139.8	90.3	42.7	59.4	56.9	83.5	49.8	49.8
215	22807	861.2	72.0	19.7	116.4	20.8	86.3	101.3	47.6	40.2	157.3	70.5	105.7	112.7	56.2	56.2
216	22812	917.7	59.8	56.8	74.2	56.4	70.6	46.4	34.4	90.4	101.4	20.9	85.7	52.4	65.1	65.1
217	192242	6691.6	48.9	35.1	6123.7	39.3	48.1	42.0	48.3	90.0	116.6	72.0	62.0	65.1	55.0	55.0
Total	363079	12986.8	385.6	385.4	6661.0	449.2	372.2	490.9	486.4	628.8	585.4	417.7	577.6	538.0	396.7	396.7

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		2009 Miles		2010 Miles		2011 Miles		2012 Miles		2013 Miles		2014 Miles		2015 Miles		2016 Miles		2017 Miles		2018 Miles		2019 Miles		2020 Miles		2021 Miles	
		Total	Miles	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled
Area	Meters																										
East	251288	8848.8	211.1	226.4	6348.4	323.0	165.5	253.0	264.7	408.3	284.0	266.8	329.4	289.4	225.7												
West	111791	4137.9	174.6	159.0	312.6	126.2	206.7	237.9	221.8	150.9	301.4	171.1	248.2	248.6													
Total	363079	12986.8	385.6	385.4	6661.0	449.2	372.2	490.9	486.4	628.8	585.4	417.7	577.6	538.0	396.7												

State Totals

Area	Total	Total	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Meters	Miles	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled
MO	323994	11134.8	385.6	385.4	6661.0	449.2	372.2	490.9	486.4	628.8	585.4	417.7	577.6	538.0	396.7
KS	10387	529.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OK	7197	312.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AR	4480	172.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	348058	12149.1	385.6	385.4	6661.0	449.2	372.2	490.9	486.4	628.8	585.4	417.7	577.6	538.0	396.7

State 4 Year Maintenance Totals

Area	Total	Total	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Meters	Miles	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled
MO	86057	1669.3	219.0	165.6	182.6	201.8	230.1	253.2	170.9	267.5	219.0	165.6	182.6	201.8	230.1
KS	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OK	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AR	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	86057	1669.3	219.0	165.6	182.6	201.8	230.1	253.2	170.9	267.5	219.0	165.6	182.6	201.8	230.1

State 6 Year Maintenance Totals

Area	Total	Total	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Meters	Miles	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled
MO	237937	9465.5	166.6	219.8	6478.4	247.4	142.1	237.6	315.6	361.3	366.4	252.2	395.0	336.2	166.6
KS	10387	529.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OK	7197	312.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AR	4480	172.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total	260001	10479.8	166.6	219.8	6478.4	247.4	142.1	237.6	315.6	361.3	366.4	252.2	395.0	336.2	166.6

State 4 Year Maintenance Running Percentage for that State

Area	Total	Total	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Meters	Miles	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled
MO	86057	1669.3	13.1%	23.0%	34.0%	46.1%	59.9%	75.0%	85.3%	101.3%	114.4%	124.3%	135.3%	147.3%	161.1%
KS	0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
OK	0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
AR	0	0.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	86057	1669.3	13.1%	23.0%	34.0%	46.1%	59.9%	75.0%	85.3%	101.3%	114.4%	124.3%	135.3%	147.3%	161.1%

State 6 Year Maintenance Running Percentage for that State

Area	Total	Total	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Meters	Miles	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled	Scheduled
MO	237937	9465.5	1.8%	4.1%	72.5%	75.1%	76.6%	79.2%	82.5%	86.3%	90.2%	92.8%	97.0%	100.6%	102.3%
KS	10387	529.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
OK	7197	312.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
AR	4480	172.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total	260001	10479.8	1.8%	4.1%	72.5%	75.1%	76.6%	79.2%	82.5%	86.3%	90.2%	92.8%	97.0%	100.6%	102.3%

Empire District Electric

Infrastructure Management - Detailed Inspection

Circuit ID	Area	Sub State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
3121	209	312 MO	1053	17.8	59.1	4	0.0	0.0	0.0	0.0	0.0	17.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3311	209	331 MO	635	16.2	39.3	4	0.0	0.0	0.0	16.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.2	0.0
3312	209	331 MO	17	4.7	3.6	4	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0
3313	209	331 MO	511	20.1	25.4	4	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.1
3314	209	331 MO	207	7.1	29.2	4	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0
3315	209	331 MO	1032	31.4	32.9	4	0.0	0.0	0.0	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.4	0.0
3871	209	387 MO	1215	14.6	83.3	4	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3872	209	387 MO	896	13.2	68.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3873	209	387 MO	1815	40.2	45.1	4	0.0	0.0	40.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.2	0.0	0.0
3874	209	387 MO	186	6.5	28.7	4	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5
4101	209	410 MO	553	16.5	33.5	4	0.0	0.0	0.0	0.0	0.0	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4102	209	410 MO	800	20.9	38.3	4	0.0	0.0	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	0.0	0.0
4131	209	413 MO	179	6.8	26.5	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0
4132	209	413 MO	408	6.2	66.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0
4133	209	413 MO	298	10.6	28.1	4	0.0	0.0	0.0	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6
4134	209	413 MO	782	15.2	51.5	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.2	0.0	0.0	0.0	0.0	0.0
4135	209	413 MO	61	2.9	20.8	4	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4136	209	413 MO	601	7.0	85.6	4	0.0	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0
4137	209	413 MO	719	10.7	67.3	4	0.0	0.0	0.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4138	209	413 MO	694	12.6	55.2	4	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.6	0.0	0.0	0.0	0.0
4331	209	433 MO	273	13.4	20.4	4	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0
4332	209	433 MO	203	5.7	35.5	4	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7
4333	209	433 MO	389	12.2	31.9	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0
4334	209	433 MO	377	7.1	52.7	4	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0
4381	209	438 MO	208	22.0	9.5	4	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0
4383	209	438 MO	319	12.9	24.7	4	0.0	12.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.9	0.0	0.0	0.0
4385	209	438 MO	1090	17.4	62.7	4	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0
4386	209	438 MO	1625	13.5	120.4	4	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.0	0.0	0.0
Total			17146	385.2			25.9	58.0	47.3	52.2	42.9	61.1	42.8	54.9	25.9	58.0	47.3	52.2	42.9
2951	209	295 MO	1268	42.4	29.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.4	0.0	0.0	0.0	0.0	0.0
2952	209	295 MO	140	8.9	15.8	6	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.9
3122	209	312 MO	818	33.7	24.3	6	0.0	0.0	0.0	0.0	0.0	0.0	33.7	0.0	0.0	0.0	0.0	0.0	0.0
3123	209	312 MO	670	21.0	31.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	0.0	0.0	0.0
Total			2896	106.0			8.9	0.0	0.0	0.0	0.0	0.0	33.7	42.4	0.0	21.0	0.0	0.0	8.9

Empire District Electric

Infrastructure Management - Detailed Inspection

Circuit ID	Area	Sub	State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
1242	211	124	MO	663	7.5	88.8	4	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0
1243	211	124	MO	974	18.5	52.6	4	0.0	0.0	0.0	18.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.5	0.0
2211	211	221	MO	721	20.3	35.5	4	0.0	0.0	0.0	0.0	0.0	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3551	211	355	MO	1005	12.2	82.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2	0.0	0.0	0.0	0.0	0.0
3591	211	359	MO	984	21.6	45.6	4	0.0	0.0	0.0	0.0	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6
3593	211	359	MO	986	10.0	98.4	4	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0
3594	211	359	MO	524	13.4	39.2	4	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.4	0.0	0.0
4511	211	451	MO	1546	28.0	55.2	4	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0
4512	211	451	MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4513	211	451	MO	456	11.7	39.1	4	0.0	0.0	0.0	0.0	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.7
Total				7859.0	143.2			28.0	0.0	13.4	18.5	33.3	20.3	17.5	12.2	28.0	0.0	13.4	18.5	33.3
1241	211	124	MO	831	31.1	26.7	6	0.0	0.0	0.0	0.0	0.0	0.0	31.1	0.0	0.0	0.0	0.0	0.0	0.0
1521	211	152	MO	347	32.3	10.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2	0.0	0.0	0.0	0.0	0.0
1522	211	152	MO	138	16.7	8.3	6	0.0	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0
1523	211	152	MO	697	55.0	12.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	0.0
2051	211	205	MO	157	17.5	9.0	6	17.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.5
2052	211	205	MO	440	18.8	23.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0
2212	211	221	MO	1097	55.3	19.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.3	0.0	0.0	0.0	0.0
2622	211	262	MO	111	12.2	9.1	6	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.2
3552	211	355	MO	550	18.4	29.9	6	0.0	0.0	0.0	0.0	0.0	18.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3553	211	355	MO	949	49.8	19.0	6	0.0	0.0	0.0	0.0	0.0	49.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3592	211	359	MO	1534	55.1	27.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.1	0.0	0.0	0.0
3621	211	362	MO	1135	73.5	15.4	6	0.0	0.0	73.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3901	211	390	MO	862	30.9	27.9	6	0.0	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3902	211	390	MO	93	10.3	9.1	6	0.0	0.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3903	211	390	MO	276	13.6	20.3	6	0.0	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4371	211	437	MO	2169	113.9	19.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113.9	0.0	0.0
4372	211	437	MO	575	53.9	10.7	6	0.0	0.0	0.0	53.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4601	211	460	MO	401	46.0	8.7	6	0.0	0.0	0.0	46.2	0.0	0.0	0.0	46.2	0.0	0.0	0.0	0.0	0.0
4602	211	460	MO	934	32.8	28.5	6	0.0	0.0	0.0	33.9	0.0	0.0	0.0	33.9	0.0	0.0	0.0	0.0	0.0
Total				13296.0	737.1			29.7	44.5	83.7	134.1	0.0	68.2	47.8	111.4	55.3	55.1	113.9	73.8	29.7

Infrastructure Management - Detailed Inspection

Infrastructure Management - Detailed Inspection

Empire District Electric

Infrastructure Management - Detailed Inspection

Circuit ID	Area	Sub State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
3671	213	367 MO	1058	16.7	63.2	4	0.0	0.0	0.0	0.0	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.7
3672	213	367 MO	145	1.8	79.2	4	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
3673	213	367 MO	257	21.6	11.9	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6	0.0	0.0	0.0	0.0	0.0
3674	213	367 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3675	213	367 MO	414	6.6	62.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0
4091	213	409 MO	1105	22.7	48.7	4	0.0	0.0	0.0	0.0	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4182	213	418 MO	930	23.6	39.4	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4311	213	431 MO	964	11.5	84.1	4	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.6	0.0	0.0	0.0	0.0
4312	213	431 MO	1412	43.1	32.7	4	0.0	0.0	43.1	0.0	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0
4313	213	431 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.1	0.0	0.0
6021	213	602 MO	597	22.0	27.1	4	0.0	0.0	0.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0
6022	213	602 MO	400	5.0	79.7	4	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0	0.0
6143	213	614 MO	363	8.8	41.2	4	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.8	0.0	0.0	0.0	0.0
6144	213	614 MO	310	7.0	44.4	4	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	0.0	0.0	0.0	0.0
Total			7955.0	190.5			32.3	0.0	43.1	22.0	18.6	22.7	6.6	45.2	32.3	0.0	43.1	22.0	18.6
2091	213	209 MO	815	57.0	14.3	6	0.0	0.0	0.0	57.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2092	213	209 MO	820	32.3	25.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	0.0	0.0	0.0
2171	213	217 MO	510	30.9	16.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.9	0.0
2172	213	217 MO	207	34.4	6.0	6	0.0	0.0	0.0	0.0	0.0	34.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2491	213	249 MO	60	14.5	4.2	6	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5
2501	213	250 MO	77	4.3	17.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2511	213	251 MO	592	22.7	26.1	6	0.0	0.0	0.0	0.0	22.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2621	213	262 MO	1094	88.9	12.3	6	0.0	88.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3041	213	304 MO	76	3.1	24.8	6	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
3081	213	308 MO	549	28.4	19.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.4	0.0	0.0	0.0
3082	213	308 MO	320	11.2	28.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2	0.0	0.0	0.0	0.0	0.0
3181	213	318 MO	686	49.5	13.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.5	0.0	0.0
3231	213	323 MO	357	18.8	19.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	0.0	0.0	0.0	0.0
3232	213	323 MO	422	19.8	21.3	6	19.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.8
3421	213	342 MO	624	25.9	24.1	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	0.0	0.0	0.0	0.0
3422	213	342 MO	950	37.1	25.6	6	0.0	0.0	37.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4092	213	409 MO	386	26.9	14.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.9	0.0
4181	213	418 MO	453	21.8	20.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8	0.0	0.0	0.0	0.0	0.0
6141	213	614 MO	610	38.5	15.8	6	0.0	0.0	0.0	0.0	0.0	0.0	38.5	0.0	0.0	0.0	0.0	0.0	0.0
6142	213	614 MO	286	29.3	9.7	6	0.0	0.0	0.0	0.0	0.0	0.0	29.3	0.0	0.0	0.0	0.0	0.0	0.0
Total			9894.0	595.3			37.3	88.9	37.1	57.0	22.7	38.7	67.9	51.8	25.9	60.8	49.5	57.8	37.3

Empire District Electric

Infrastructure Management - Detailed Inspection

Circuit	ID	Area	Sub	State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
	1225	214	59	MO	931	7.7	121.5	4	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0
	1226	214	59	MO	339	4.2	80.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0
	1227	214	59	MO	1164	20.3	57.3	4	0.0	0.0	0.0	0.0	0.0	20.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1228	214	59	MO	491	4.2	117.3	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0
	1229	214	59	MO	1972	13.2	149.9	4	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0
	401	214	64	MO	102	0.8	133.1	4	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	402	214	64	MO	107	1.9	57.6	4	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	403	214	64	MO	254	2.7	95.2	4	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	404	214	64	MO	166	1.3	131.4	4	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	405	214	64	MO	43	0.6	71.8	4	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	406	214	64	MO	70	0.7	103.5	4	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	407	214	64	MO	98	0.9	103.6	4	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	432	214	100	MO	83	1.1	76.8	4	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	433	214	100	MO	40	0.6	71.0	4	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	434	214	100	MO	28	0.8	35.4	4	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1451	214	145	MO	481	12.4	38.8	4	0.0	0.0	0.0	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4
	1453	214	145	MO	1762	20.9	84.1	4	0.0	0.0	20.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	0.0	0.0
	1454	214	145	MO	892	14.4	61.8	4	0.0	0.0	0.0	0.0	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4
	1455	214	145	MO	505	8.3	60.9	4	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3
	1261	214	258	MO	396	4.8	82.2	4	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1262	214	258	MO	198	5.5	35.8	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0	0.0	0.0	0.0
	1263	214	258	MO	1364	15.3	89.0	4	0.0	0.0	0.0	0.0	0.0	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1264	214	258	MO	41	4.1	10.0	4	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1265	214	258	MO	1209	14.0	86.6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0
	1267	214	258	MO	70	4.4	16.0	4	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
	451	214	284	MO	0	0.4	0.0	4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	452	214	284	MO	0	0.1	0.0	4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	453	214	284	MO	126	1.0	124.0	4	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	454	214	284	MO	102	1.7	59.9	4	0.0	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	455	214	284	MO	73	0.9	79.1	4	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	456	214	284	MO	45	0.7	66.9	4	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	457	214	284	MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1273	214	341	MO	863	9.2	93.3	4	0.0	0.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0
	1274	214	341	MO	8	2.1	3.9	4	0.0	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	1281	214	360	MO	81	3.7	22.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0
	1282	214	360	MO	891	13.5	66.0	4	0.0	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.0	0.0
	1283	214	360	MO	363	7.5	48.7	4	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0
	1284	214	360	MO	663	9.7	68.2	4	0.0	0.0	0.0	0.0	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0
	1285	214	360	MO	1126	15.8	71.4	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	0.0	0.0	0.0	0.0	0.0

Empire District Electric

Infrastructure Management - Detailed Inspection

Circuit ID	Area	Sub	State	Total Meters	Total Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned	2021 Planned
1286	214	360	MO	43	2.6	16.8	4	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0
1287	214	360	MO	1	0.4	2.5	4	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
1230	214	372	MO	1131	12.5	90.7	4	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0
1231	214	372	MO	3	0.2	16.6	4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
1232	214	372	MO	1143	15.1	75.7	4	0.0	0.0	0.0	15.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.1	0.0
1233	214	372	MO	629	5.0	127.0	4	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.0	0.0	0.0	0.0
3911	214	391	MO	6	1.2	5.0	4	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
3912	214	391	MO	1118	20.4	54.7	4	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.4	0.0
3914	214	391	MO	676	42.7	15.8	4	42.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.7	0.0	0.0	0.0	0.0
4222	214	422	MO	1533	13.4	114.1	4	0.0	0.0	0.0	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4223	214	422	MO	1207	13.2	91.3	4	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0	0.0	0.0
4224	214	422	MO	625	10.3	60.9	4	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3
4301	214	430	MO	606	7.1	85.8	4	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0
4302	214	430	MO	640	17.4	36.8	4	0.0	17.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.4	0.0	0.0	0.0
4303	214	430	MO	767	28.7	26.7	4	0.0	0.0	0.0	0.0	0.0	0.0	28.7	0.0	0.0	0.0	0.0	0.0	0.0
4304	214	430	MO	130	3.3	39.8	4	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0
4471	214	447	MO	5	1.3	3.9	4	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
4472	214	447	MO	14	1.2	11.5	4	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0
Total				27424.0	427.0			42.7	59.4	56.9	49.0	49.8	62.6	59.3	47.3	42.7	59.4	56.9	49.0	49.8
1452	214	145	MO	397	21.0	18.9	6	0.0	21.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145D	214	145	MO	1	0.2	6.5	6	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1271	214	341	MO	874	43.0	20.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0
1272	214	341	MO	13	1.9	6.9	6	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3891	214	389	MO	403	27.6	14.6	6	0.0	0.0	0.0	0.0	0.0	27.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3892	214	389	MO	436	25.0	17.4	6	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0
3893	214	389	MO	759	41.8	18.2	6	0.0	0.0	0.0	0.0	0.0	0.0	41.8	0.0	0.0	0.0	0.0	0.0	0.0
3894	214	389	MO	106	13.8	7.7	6	0.0	0.0	0.0	0.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	0.0	0.0
3913	214	391	MO	1258	65.1	19.3	6	0.0	0.0	65.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4221	214	422	MO	459	34.5	13.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.5	0.0
Total				4706.0	273.8			0.0	23.1	65.1	0.0	0.0	27.6	80.5	43.0	0.0	0.0	0.0	34.5	0.0

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1050	215	105 MO	1381	15.3	90.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0	0.0	0.0	0.0	0.0
1051	215	105 MO	1018	18.8	54.2	4	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	0.0	0.0	0.0	0.0	0.0
1052	215	105 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1094	215	109 MO	968	26.7	0.0	4	0.0	0.0	0.0	0.0	0.0	26.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1101	215	110 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1102	215	110 MO	589	14.7	40.2	4	0.0	0.0	0.0	0.0	0.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1103	215	110 MO	839	19.3	43.5	4	22.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.3	0.0	0.0
3661	215	366 MO	1064	22.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4173	215	417 MO	601	11.4	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	0.0	0.0	0.0	0.0	0.0
4321	215	432 MO	4	0.9	4.4	4	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0	0.0
4322	215	432 MO	85	2.6	32.8	4	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0
4323	215	432 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4324	215	432 MO	979	20.8	47.0	4	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.8	0.0
4361	215	436 MO	1420	22.2	64.0	4	0.0	0.0	0.0	0.0	22.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.2
4362	215	436 MO	774	7.7	100.4	4	0.0	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	0.0	0.0
4363	215	436 MO	642	16.0	40.0	4	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0
Total			10364.0	198.5			38.0	11.2	19.3	20.8	22.2	41.4	18.8	26.7	38.0	11.2	19.3	20.8	22.2
1081	215	108 MO	20	4.4	4.5	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0
1082	215	108 MO	1252	119.3	10.5	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	119.3	0.0	0.0	0.0	0.0
1083	215	108 MO	1	1.4	0.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0
1084	215	108 MO	5	1.2	4.2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0
1091	215	109 MO	1545	97.2	15.9	6	0.0	0.0	97.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1092	215	109 MO	1111	43.6	25.5	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.6	0.0
1093	215	109 MO	206	8.5	24.4	6	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2492	215	249 MO	29	6.5	4.5	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0
3662	215	366 MO	1022	61.2	16.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3663	215	366 MO	267	28.8	9.3	6	0.0	0.0	0.0	0.0	0.0	0.0	28.8	0.0	0.0	0.0	0.0	0.0	0.0
3951	215	395 MO	1041	48.3	21.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.3	0.0
3952	215	395 MO	360	36.9	9.8	6	0.0	0.0	0.0	0.0	0.0	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4031	215	403 MO	620	23.0	26.9	6	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4171	215	417 MO	1102	34.0	32.4	6	34.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.0
4172	215	417 MO	1623	59.3	27.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.3	0.0	0.0	0.0
4211	215	421 MO	1472	64.1	23.0	6	0.0	0.0	0.0	0.0	64.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4212	215	421 MO	767	25.2	30.5	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.2	0.0	0.0
Total			12443.0	862.7			34.0	8.5	97.2	0.0	64.1	59.9	28.8	13.4	119.3	59.3	86.4	91.8	34.0

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5601	216	56 MO	77	2.9	26.3	4	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0	0.0	0.0
5602	216	56 MO	479	10.0	47.8	4	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0
5641	216	56 MO	403	3.2	125.4	4	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5642	216	56 MO	205	1.9	105.1	4	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0
2961	216	296 MO	1643	34.5	47.6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.5	0.0	0.0	0.0	0.0	0.0
2962	216	296 MO	238	7.8	30.6	4	0.0	0.0	0.0	0.0	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.8
2963	216	296 MO	1	0.3	3.1	4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
3982	216	398 MO	718	7.5	95.1	4	0.0	0.0	0.0	0.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5
4142	216	414 MO	560	15.7	35.6	4	0.0	15.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.7	0.0	0.0	0.0
Total			4324.0	84.0			10.0	20.9	0.0	0.0	15.3	3.2	0.0	34.5	10.0	20.9	0.0	0.0	15.3
5603	216	56 MO	1176	43.2	27.2	6	0.0	0.0	0.0	0.0	0.0	43.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1311	216	131 MO	238	22.9	10.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.9	0.0	0.0	0.0	0.0	0.0
1312	216	131 MO	873	49.8	17.5	6	49.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.8
1841	216	184 MO	1497	56.4	26.5	6	0.0	0.0	0.0	56.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1842	216	184 MO	192	16.3	11.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0
1843	216	184 MO	1027	43.7	23.5	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	43.7	0.0	0.0	0.0	0.0
3221	216	322 MO	1162	34.4	33.8	6	0.0	0.0	0.0	0.0	0.0	0.0	34.4	0.0	0.0	0.0	0.0	0.0	0.0
3222	216	322 MO	936	32.3	29.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.3	0.0	0.0
3261	216	326 AR	266	7.7	34.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3262	216	326 AR	36	1.0	36.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3263	216	326 AR	111	16.3	6.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3471	216	347 MO	156	16.3	9.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0
3472	216	347 MO	1464	52.4	27.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.4	0.0
3751	216	375 MO	1112	53.4	20.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.4	0.0	0.0
3752	216	375 OK	563	21.6	26.1	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3921	216	392 AR	427	12.1	35.1	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3922	216	392 AR	1703	56.6	30.1	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3923	216	392 AR	1	4.2	0.2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3981	216	398 MO	1236	73.5	16.8	6	0.0	0.0	73.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3991	216	399 MO	658	55.3	11.9	6	0.0	0.0	0.0	0.0	55.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3992	216	399 MO	160	8.4	19.0	6	0.0	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4141	216	414 MO	86	14.5	6.0	6	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4431	216	443 MO	1265	47.6	26.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.6	0.0	0.0	0.0	0.0
4432	216	443 MO	206	13.0	15.9	6	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4433	216	443 MO	1	0.7	1.4	8	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7001	216	700 AR	1276	52.6	24.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7002	216	700 AR	660	27.6	23.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total			18488.0	833.6			49.8	35.9	74.2	56.4	55.3	43.2	34.4	55.4	91.4	0.0	85.7	52.4	49.8

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1141	217	114 MO	864	16.0	53.9	4	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0
3301	217	330 MO	200	2.6	77.0	4	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0
3302	217	330 MO	607	14.0	43.3	4	0.0	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3303	217	330 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3304	217	330 MO	942	14.5	64.9	4	0.0	0.0	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.5
3305	217	330 MO	8	0.7	12.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3694	217	369 MO	1163	28.0	41.6	4	0.0	0.0	0.0	0.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3702	217	370 MO	601	14.2	42.4	4	14.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0
4151	217	415 MO	1091	27.8	39.2	4	27.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8	0.0	0.0	0.0	0.0
4152	217	415 MO	803	25.0	32.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
4153	217	415 MO	1012	25.8	39.2	4	0.0	0.0	0.0	0.0	0.0	0.0	25.8	0.0	0.0	0.0	0.0	0.0	0.0
4154	217	415 MO	951	20.8	45.6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.8	0.0	0.0	0.0	0.0	0.0
4155	217	415 MO	1692	39.3	43.1	4	0.0	0.0	0.0	39.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.3	0.0
4156	217	415 MO	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4342	217	434 MO	1614	33.5	48.1	4	0.0	0.0	0.0	0.0	33.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.5
Total			11548	262.3			42.0	16.0	2.6	39.3	48.1	42.0	25.8	46.5	42.0	16.0	2.6	39.3	48.1
8001	0	0 MO	173031	6079.2	28.5	6	0.0	0.0	6079.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1142	217	114 MO	198	15.3	12.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0	0.0	0.0	0.0	0.0
1211	217	121 MO	1388	74.6	18.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74.6	0.0	0.0	0.0	0.0
1212	217	121 MO	67	9.7	6.9	6	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1213	217	121 MO	519	28.6	18.2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	0.0	0.0	0.0	0.0	0.0
3331	217	333 MO	2	0.5	4.3	6	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3691	217	369 MO	1241	56.0	22.2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.0	0.0	0.0	0.0
3692	217	369 MO	401	19.0	21.1	6	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3693	217	369 MO	187	6.9	27.1	6	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
3701	217	370 MO	478	25.9	18.5	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.9	0.0
3971	217	397 MO	625	22.5	27.8	6	0.0	0.0	0.0	0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0
4341	217	434 MO	1805	59.4	30.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.4	0.0	0.0
4343	217	434 MO	752	31.7	23.7	6	0.0	0.0	31.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total			180694	6429.3			6.9	19.0	6121.1	0.0	0.0	0.0	22.5	43.9	74.6	56.0	59.4	25.9	6.9

Distribution Intrusive Inspection Schedule

Empire District Electric Company

Distribution System -- Intrusive Pole Inspection

12 Year Maintenance Cycle

Area	Total Meters	Total Miles	2009 Miles		2010 Miles		2011 Miles		2012 Miles		2013 Miles		2014 Miles		2015 Miles		2016 Miles		2017 Miles		2018 Miles		2019 Miles		2020 Miles	
			Scheduled	2009 Miles	Scheduled	2010 Miles	Scheduled	2011 Miles	Scheduled	2012 Miles	Scheduled	2013 Miles	Scheduled	2014 Miles	Scheduled	2015 Miles	Scheduled	2016 Miles	Scheduled	2017 Miles	Scheduled	2018 Miles	Scheduled	2019 Miles	Scheduled	2020 Miles
209	20042	352.7	39.4	34.2	29.6	33.0	26.1	22.7	32.5	32.1	27.8	20.7	22.0	32.5	66.3	67.5	72.1	111.5	101.0	53.8						
211	22421	895.0	53.2	105.3	70.1	52.0	68.5	76.6	59.3	54.4	61.1	69.5	113.1	61.6												
212	17021	820.5	59.6	54.5	61.7	66.0	90.3	69.5	59.3	54.4	61.1	69.5	113.1	61.6												
213	17849	747.2	65.0	56.7	50.7	65.2	88.7	49.3	60.0	78.0	62.1	42.0	63.6	66.0												
214	32130	588.7	45.7	49.1	41.0	42.3	44.4	51.5	56.8	50.5	47.2	54.1	48.9	57.0												
215	22807	803.5	118.6	56.8	48.1	93.6	54.4	55.9	58.2	68.7	64.9	59.3	59.7	65.2												
216	22812	886.4	71.9	66.2	73.0	72.6	75.5	66.4	75.6	78.8	72.9	82.9	72.8	77.7												
217	193508	6085.7	34.2	73.7	42.2	39.7	51.3	45.4	19.0	23.0	35.7	25.6	51.9	5644.0												
Total	348590	11179.7	487.6	496.6	416.4	464.4	499.3	437.3	427.8	453.0	443.7	465.6	533.1	6057.8												
Running			4.4%	8.8%	12.5%	16.7%	21.1%	25.1%	28.9%	32.9%	36.9%	41.1%	45.8%	100.0%												

State Totals

Area	Total Meters	Total Miles	2009 Miles		2010 Miles		2011 Miles		2012 Miles		2013 Miles		2014 Miles		2015 Miles		2016 Miles		2017 Miles		2018 Miles		2019 Miles		2020 Miles	
			Scheduled	Actual	Scheduled	Actual	Scheduled	Actual	Scheduled	Actual	Scheduled	Actual	Scheduled	Actual	Scheduled	Actual	Scheduled	Actual	Scheduled	Actual	Scheduled	Actual	Scheduled	Actual	Scheduled	Actual
MO	326526	10165.5	428.0	442.1	354.8	398.4	384.8	367.8	292.9	382.4	382.7	396.1	420.0	5918.5												
KS	10387	529.6	0.0	0.0	0.0	0.0	41.2	69.5	59.3	54.4	61.1	69.5	113.1	61.6												
OK	7197	312.3	59.6	54.5	61.7	66.0	49.2	0.0	21.4	0.0	0.0	0.0	0.0	0.0												
AR	4480	172.4	0.0	0.0	0.0	0.0	24.2	0.0	54.2	16.3	0.0	0.0	0.0	77.7												
Total	348590	11179.7	487.6	496.6	416.4	464.4	499.3	437.3	427.8	453.0	443.7	465.6	533.1	6057.8												

Empire District Electric

Distribution System -- Intrusive Pole Inspection

Circuit ID	Area	Sub Meters	Total Meters	OH Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned
2951	209	295	1268	39.4	29.9	6	39.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2952	209	295	140	8.3	15.8	6	0.0	0.0	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3121	209	312	1053	16.5	59.1	4	0.0	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3122	209	312	818	29.6	24.3	6	0.0	0.0	29.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3123	209	312	670	17.7	31.8	6	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3311	209	331	635	8.9	39.3	4	0.0	0.0	0.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3312	209	331	17	4.1	3.6	4	0.0	0.0	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3313	209	331	486	5.7	39.7	4	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3314	209	331	207	6.0	29.2	4	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3315	209	331	1032	26.1	32.9	4	0.0	0.0	0.0	0.0	26.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3871	209	387	1215	11.2	83.3	4	0.0	0.0	0.0	0.0	0.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0
3872	209	387	896	11.5	68.0	4	0.0	0.0	0.0	0.0	0.0	11.5	0.0	0.0	0.0	0.0	0.0	0.0
3873	209	387	1815	32.5	45.1	4	0.0	0.0	0.0	0.0	0.0	0.0	32.5	0.0	0.0	0.0	0.0	0.0
3874	209	387	186	3.4	28.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	0.0	0.0	0.0
4101	209	410	553	13.2	33.5	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.2	0.0	0.0	0.0	0.0
4102	209	410	800	15.5	38.3	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	0.0	0.0	0.0	0.0
4131	209	413	179	4.9	26.5	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0
4132	209	413	408	4.9	66.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	0.0	0.0
4133	209	413	298	6.1	28.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	0.0	0.0
4134	209	413	782	8.2	51.5	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2	0.0	0.0	0.0
4135	209	413	61	1.3	20.8	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0
4136	209	413	601	2.5	85.6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	0.0
4137	209	413	719	9.3	67.3	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0
4138	209	413	694	11.4	55.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.4	0.0	0.0
4331	209	433	273	8.3	20.4	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0
4332	209	433	203	3.6	35.5	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0
4333	209	433	389	5.4	31.9	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	0.0
4334	209	433	377	4.6	52.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0
4381	209	438	208	12.4	9.5	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.4
4383	209	438	319	9.3	24.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3
4385	209	438	1090	6.8	62.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8
4386	209	438	1625	3.0	120.4	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
4561	209	456	25	0.9	3.2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
Total			20042	352.7			39.4	34.2	29.6	33.0	26.1	22.7	32.5	32.1	27.8	20.7	22.0	32.5

Empire District Electric

Distribution System -- Intrusive Pole Inspection

Circuit ID	Area	Sub	Total Meters	OH Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned
1241	211	124	831	28.8	26.7	6	28.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1242	211	124	663	7.2	88.8	4	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1243	211	124	974	17.1	52.6	4	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1521	211	152	1560	105.3	14.6	6	0.0	105.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1522	211	152	138	16.1	8.3	6	0.0	0.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1523	211	152	697	54.0	12.7	6	0.0	0.0	54.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2051	211	205	210	21.3	9.9	6	0.0	0.0	0.0	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2052	211	205	440	18.8	23.4	6	0.0	0.0	0.0	18.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2211	211	221	721	19.9	35.5	6	0.0	0.0	0.0	0.0	19.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2212	211	221	1097	48.6	19.8	6	0.0	0.0	0.0	0.0	48.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2622	211	262	111	12.0	9.1	6	0.0	0.0	0.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3551	211	355	1005	10.2	82.2	4	0.0	0.0	0.0	0.0	0.0	10.2	0.0	0.0	0.0	0.0	0.0	0.0
3552	211	355	550	17.3	29.9	6	0.0	0.0	0.0	0.0	0.0	17.3	0.0	0.0	0.0	0.0	0.0	0.0
3553	211	355	949	49.2	19.0	6	0.0	0.0	0.0	0.0	0.0	49.2	0.0	0.0	0.0	0.0	0.0	0.0
3591	211	359	984	15.8	45.6	4	0.0	0.0	0.0	0.0	0.0	0.0	15.8	0.0	0.0	0.0	0.0	0.0
3592	211	359	1534	50.5	27.9	6	0.0	0.0	0.0	0.0	0.0	0.0	50.5	0.0	0.0	0.0	0.0	0.0
3593	211	359	986	5.3	98.4	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0
3594	211	359	524	9.2	39.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.2	0.0	0.0	0.0
3621	211	362	1135	72.1	15.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.1	0.0	0.0	0.0
3901	211	390	862	29.9	27.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	29.9	0.0	0.0	0.0	0.0
3902	211	390	93	9.9	9.1	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.9	0.0	0.0	0.0	0.0
3903	211	390	276	13.3	20.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	0.0	0.0	0.0
4371	211	437	2169	111.5	19.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	111.5	0.0	0.0
4372	211	437	575	50.8	10.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.8
4511	211	451	1546	18.4	55.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	0.0
4512	211	451	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4513	211	451	456	3.8	39.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	1.0
4601	211	460	401	46.0	8.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	2.0
4602	211	460	934	32.8	27.5	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.8	0.0
Total			22421	895.0			53.2	105.3	70.1	52.0	68.5	76.6	66.3	67.5	72.1	111.5	101.0	53.8

Empire District Electric

Distribution System -- Intrusive Pole Inspection

Circuit ID	Area	Sub	Total Meters	OH Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned
1861	212	186	711	34.6	20.4	6	34.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2712	212	271	1169	54.5	21.4	6	0.0	54.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2912	212	291	714	25.0	28.1	6	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3631	212	363	1233	61.7	19.8	6	0.0	0.0	61.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3771	212	377	1086	66.0	16.4	6	0.0	0.0	0.0	66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3772	212	377	10	1.4	5.8	6	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3773	212	377	119	17.2	6.9	6	0.0	0.0	0.0	0.0	17.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3811	212	381	859	13.0	65.7	6	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3812	212	381	720	16.0	44.9	6	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4281	212	428	13	1.6	7.2	6	0.0	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6601	212	66	787	49.4	15.9	6	0.0	0.0	0.0	0.0	0.0	49.4	0.0	0.0	0.0	0.0	0.0	0.0
6602	212	66	499	20.1	24.8	6	0.0	0.0	0.0	0.0	0.0	20.1	0.0	0.0	0.0	0.0	0.0	0.0
2711	212	271	237	59.3	4.0	6	0.0	0.0	0.0	0.0	0.0	0.0	59.3	0.0	0.0	0.0	0.0	0.0
2781	212	278	1	0.6	1.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
2782	212	278	1457	53.7	26.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.7	0.0	0.0	0.0	0.0
2783	212	278	1119	44.7	24.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.7	0.0	0.0	0.0
2821	212	282	424	9.6	42.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0
2822	212	282	374	6.7	54.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0
2823	212	282	524	25.1	20.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.1	0.0	0.0
2824	212	282	923	15.0	53.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0
2911	212	291	1194	61.6	19.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.6
2913	212	291	879	12.8	68.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.8	0.0	0.0
2914	212	291	544	16.6	31.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.6	0.0	0.0
2991	212	299	1	0.4	2.6	6	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3391	212	339	13	2.3	5.5	6	0.0	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4061	212	406	1220	113.1	10.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	113.1	0.0
4062	212	406	4	2.1	1.9	6	0.0	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4251	212	425	185	36.0	5.1	6	0.0	0.0	0.0	0.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4441	212	444	2	0.4	4.1	6	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total			17021	820.5			59.6	54.5	61.7	66.0	90.3	69.5	59.3	54.4	61.1	69.5	113.1	61.6

Empire District Electric

Distribution System -- Intrusive Pole Inspection

Circuit ID	Area	Sub	Total Meters	OH Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned
2091	213	209	815	56.7	14.3	6	0.0	56.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2092	213	209	820	32.0	25.4	6	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2171	213	217	510	30.6	16.5	6	30.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2172	213	217	207	34.4	6.0	6	34.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2491	213	249	60	14.5	4.2	6	0.0	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2501	213	250	77	4.2	17.9	6	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2511	213	251	592	22.5	26.1	6	0.0	0.0	0.0	22.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2621	213	262	1094	88.7	12.3	6	0.0	0.0	0.0	0.0	88.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3041	213	304	76	3.1	24.8	6	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3081	213	308	549	28.4	19.3	6	0.0	0.0	0.0	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3082	213	308	320	11.2	28.6	6	0.0	0.0	0.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3181	213	318	686	49.3	13.8	6	0.0	0.0	0.0	0.0	0.0	49.3	0.0	0.0	0.0	0.0	0.0	0.0
3231	213	323	357	18.7	19.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.7	0.0	0.0	0.0	0.0
3232	213	323	422	18.8	21.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	0.0	0.0	0.0
3421	213	342	624	25.0	24.1	6	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0
3422	213	342	950	35.0	25.6	6	0.0	0.0	0.0	0.0	0.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0
3671	213	367	1058	13.9	63.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.0	0.0
3672	213	367	145	1.8	79.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0
3673	213	367	257	19.9	11.9	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.9	0.0	0.0	0.0	0.0
3674	213	367	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3675	213	367	414	4.8	62.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0
4091	213	409	1105	20.2	48.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.2	0.0	0.0	0.0
4092	213	409	386	26.2	14.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.2	0.0	0.0	0.0
4181	213	418	453	20.3	20.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.3	0.0	0.0
4182	213	418	930	21.8	39.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.8	0.0	0.0
4311	213	431	964	9.1	84.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	0.0
4312	213	431	1412	30.6	32.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.6	0.0
4313	213	431	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6021	213	602	597	19.5	27.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.5	0.0
6022	213	602	400	4.5	79.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0
6141	213	614	610	38.2	15.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.2
6142	213	614	286	27.8	9.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.8
6143	213	614	363	8.8	41.2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6144	213	614	310	7.0	44.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total			17849	747.2			65.0	56.7	50.7	65.2	88.7	49.3	60.0	78.0	62.1	42.0	63.6	66.0

Empire District Electric

Distribution System -- Intrusive Pole Inspection

Circuit ID	Area	Sub	Total Meters	OH Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned
401	214	64	102	0.7	133.1	4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
402	214	64	107	1.9	57.6	4	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
403	214	64	254	2.7	95.2	4	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
404	214	64	166	1.2	131.4	4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
405	214	64	43	0.5	71.8	4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
406	214	64	70	0.7	103.5	4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
407	214	64	98	0.9	103.6	4	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
432	214	100	83	1.0	76.8	4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
433	214	100	40	0.6	71.0	4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
434	214	100	28	0.7	35.4	4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
451	214	284	0	0.4	0.0	4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
452	214	284	0	0.1	0.0	4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
453	214	284	126	1.0	124.0	4	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
454	214	284	102	1.7	59.9	4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
455	214	284	73	0.7	79.1	4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
456	214	284	45	0.5	66.9	4	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
457	214	284	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1225	214	59	931	7.5	121.5	4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1226	214	59	339	3.7	80.7	4	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1227	214	59	1164	19.3	57.3	4	19.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1228	214	59	491	4.1	117.3	4	0.0	4.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1229	214	59	1972	13.1	149.9	4	0.0	13.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1230	214	372	1131	12.4	90.7	4	0.0	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1231	214	372	3	0.2	16.6	4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1232	214	372	1143	14.5	75.7	4	0.0	14.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1233	214	372	629	4.9	127.0	4	0.0	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1261	214	258	396	4.0	82.2	4	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1262	214	258	198	5.4	35.8	4	0.0	0.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1263	214	258	1364	14.8	89.0	4	0.0	0.0	14.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1264	214	258	41	3.8	10.0	4	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1265	214	258	1209	9.7	86.6	4	0.0	0.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1267	214	258	70	3.3	16.0	4	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1271	214	341	874	42.3	20.3	6	0.0	0.0	0.0	42.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1272	214	341	13	1.2	6.9	6	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1273	214	341	863	8.6	93.3	4	0.0	0.0	0.0	0.0	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1274	214	341	8	2.0	3.9	4	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1281	214	360	81	1.9	22.0	4	0.0	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Empire District Electric

Distribution System – Intrusive Pole Inspection

Circuit ID	Area	Sub	Total Meters	OH Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned
1282	214	360	891	12.3	66.0	4	0.0	0.0	0.0	0.0	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1283	214	360	363	1.8	48.7	4	0.0	0.0	0.0	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1284	214	360	663	9.1	68.2	4	0.0	0.0	0.0	0.0	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1285	214	360	1126	6.0	71.4	4	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1286	214	360	43	1.3	16.8	4	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1287	214	360	1	0.3	2.5	4	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1451	214	145	481	11.2	38.8	4	0.0	0.0	0.0	0.0	0.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0
1452	214	145	397	19.9	18.9	6	0.0	0.0	0.0	0.0	0.0	19.9	0.0	0.0	0.0	0.0	0.0	0.0
1453	214	145	1762	20.4	84.1	4	0.0	0.0	0.0	0.0	0.0	20.4	0.0	0.0	0.0	0.0	0.0	0.0
1454	214	145	892	14.2	61.8	4	0.0	0.0	0.0	0.0	0.0	0.0	14.2	0.0	0.0	0.0	0.0	0.0
1455	214	145	505	7.9	60.9	4	0.0	0.0	0.0	0.0	0.0	0.0	7.9	0.0	0.0	0.0	0.0	0.0
3891	214	389	403	25.1	14.6	4	0.0	0.0	0.0	0.0	0.0	0.0	25.1	0.0	0.0	0.0	0.0	0.0
3892	214	389	436	9.6	17.4	4	0.0	0.0	0.0	0.0	0.0	0.0	9.6	0.0	0.0	0.0	0.0	0.0
3893	214	389	759	37.0	18.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.0	0.0	0.0	0.0	0.0
3894	214	389	106	13.5	7.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.5	0.0	0.0	0.0	0.0
3911	214	391	6	0.4	5.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
3912	214	391	1118	15.6	54.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.6	0.0	0.0	0.0
3913	214	391	1258	54.1	19.3	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	54.1	0.0	0.0
3914	214	391	676	38.0	15.8	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	38.0	0.0
4221	214	422	459	31.2	13.3	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.2	0.0	0.0	0.0
4222	214	422	1533	10.9	114.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.9	0.0
4223	214	422	1207	10.6	91.3	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.6
4224	214	422	625	7.5	60.9	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	0.0
4301	214	430	606	4.5	85.8	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
4302	214	430	640	10.4	36.8	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.4
4303	214	430	767	20.6	26.7	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6
4304	214	430	130	1.3	39.8	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3
4471	214	447	5	0.8	3.9	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
4472	214	447	14	1.0	11.5	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
1450	214	145	1	0.1	6.5	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Total			32130.0	588.7			45.7	49.1	41.0	42.3	44.4	51.5	56.8	50.5	47.2	54.1	48.9	57.0

Empire District Electric

Distribution System -- Intrusive Pole Inspection

Circuit ID	Area	Sub	Total Meters	OH Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned
1050	215	105	1381	14.7	90.1	4	0.0	14.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1051	215	105	1018	17.0	54.2	4	0.0	17.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1052	215	105	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1081	215	108	20	4.3	4.5	6	0.0	4.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1082	215	108	1252	118.6	10.5	6	118.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1083	215	108	1	1.3	0.7	6	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1084	215	108	5	1.2	4.2	6	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1091	215	109	1545	93.6	15.9	6	0.0	0.0	0.0	93.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1092	215	109	1111	37.6	25.5	6	0.0	0.0	37.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1093	215	109	206	8.1	24.4	6	0.0	0.0	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1094	215	109	968	24.5	36.2	6	0.0	0.0	0.0	0.0	24.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1101	215	110	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1102	215	110	589	11.6	40.2	4	0.0	0.0	0.0	0.0	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1103	215	110	839	18.3	43.5	4	0.0	0.0	0.0	0.0	18.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2492	215	249	29	6.5	4.5	6	0.0	0.0	0.0	0.0	0.0	6.5	0.0	0.0	0.0	0.0	0.0	0.0
3661	215	366	1064	20.6	48.4	6	0.0	0.0	0.0	0.0	0.0	20.6	0.0	0.0	0.0	0.0	0.0	0.0
3662	215	366	1022	58.2	16.7	6	0.0	0.0	0.0	0.0	0.0	0.0	58.2	0.0	0.0	0.0	0.0	0.0
3663	215	366	267	28.8	9.3	6	0.0	0.0	0.0	0.0	0.0	28.8	0.0	0.0	0.0	0.0	0.0	0.0
3951	215	395	1041	46.0	21.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	46.0	0.0	0.0	0.0	0.0
3952	215	395	360	33.9	9.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.9	0.0	0.0	0.0
4031	215	403	620	22.7	26.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.7	0.0	0.0	0.0	0.0
4171	215	417	1102	31.0	32.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	0.0	0.0	0.0
4172	215	417	1623	53.8	27.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.8	0.0	0.0
4173	215	417	601	5.5	52.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	0.0	0.0
4211	215	421	1472	59.7	23.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.7	0.0
4212	215	421	767	24.3	30.5	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.3
4321	215	432	4	0.6	4.4	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6
4322	215	432	85	1.8	32.8	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
4323	215	432	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4324	215	432	979	16.8	47.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.8
4361	215	436	1420	21.6	64.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6
4362	215	436	774	7.3	100.4	4	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4363	215	436	642	13.5	40.0	4	0.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total			22807.0	803.5			118.6	56.8	48.1	93.6	54.4	55.9	58.2	68.7	64.9	59.3	59.7	65.2

Empire District Electric

Distribution System -- Intrusive Pole Inspection

Circuit ID	Area	Sub	Total Meters	OH Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned
1311	216	131	238	22.9	10.4	6	22.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1312	216	131	873	49.1	17.5	6	49.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1841	216	184	1497	50.6	26.5	6	0.0	50.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1842	216	184	192	15.6	11.8	6	0.0	15.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1843	216	184	1027	42.8	23.5	6	0.0	0.0	42.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2961	216	296	1643	30.2	47.6	4	0.0	0.0	30.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2962	216	296	238	6.8	30.6	4	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2963	216	296	1	0.3	3.1	4	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3221	216	322	1162	33.5	33.8	6	0.0	0.0	0.0	33.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3222	216	322	936	32.0	29.0	6	0.0	0.0	0.0	32.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3261	216	326	266	7.1	34.4	6	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3262	216	326	36	1.0	36.8	6	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3263	216	326	111	16.1	6.8	6	0.0	0.0	0.0	0.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3471	216	347	156	16.3	9.6	6	0.0	0.0	0.0	0.0	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0
3472	216	347	1464	51.3	27.9	6	0.0	0.0	0.0	0.0	51.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3751	216	375	1112	50.1	20.8	6	0.0	0.0	0.0	0.0	0.0	50.1	0.0	0.0	0.0	0.0	0.0	0.0
3752	216	375	563	21.4	26.1	4	0.0	0.0	0.0	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0	0.0
3921	216	392	427	12.1	35.1	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.1	0.0	0.0	0.0	0.0
3922	216	392	1703	54.2	30.1	6	0.0	0.0	0.0	0.0	0.0	0.0	54.2	0.0	0.0	0.0	0.0	0.0
3923	216	392	1	4.2	0.2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0	0.0
3981	216	398	1236	72.9	16.8	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.9	0.0	0.0	0.0
3982	216	398	718	7.3	95.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0
3991	216	399	658	55.3	11.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.3	0.0	0.0	0.0	0.0
3992	216	399	160	8.4	19.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0
4141	216	414	86	13.8	6.0	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.8	0.0	0.0
4142	216	414	560	15.5	35.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.5	0.0	0.0
4431	216	443	1265	45.1	26.6	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.1	0.0	0.0
4432	216	443	206	13.0	15.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0
4433	216	443	1	0.5	1.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
5601	216	56	77	2.9	26.3	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.0
5602	216	56	479	10.0	47.8	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0
5603	216	56	1176	41.2	27.2	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2	0.0
5641	216	56	403	3.2	125.4	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0
5642	216	56	205	1.9	105.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	0.0
7001	216	700	1276	50.3	24.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.3
7002	216	700	660	27.4	23.9	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.4
Total			22812.0	886.4			71.9	66.2	73.0	72.6	75.5	66.4	75.6	78.8	72.9	82.9	72.8	77.7

Empire District Electric

Distribution System -- Intrusive Pole Inspection

Circuit ID	Area	Sub	Total Meters	OH Miles	Customers /Mile	Maint. Schedule	2009 Planned	2010 Planned	2011 Planned	2012 Planned	2013 Planned	2014 Planned	2015 Planned	2016 Planned	2017 Planned	2018 Planned	2019 Planned	2020 Planned
1141	217	114	864	12.0	53.9	4	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1142	217	114	198	12.5	12.9	6	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1211	217	121	1388	73.7	18.6	6	0.0	73.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1212	217	121	67	9.7	6.9	6	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1213	217	121	519	28.4	18.2	6	0.0	0.0	28.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3301	217	330	200	2.6	77.0	4	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3302	217	330	607	11.2	43.3	4	0.0	0.0	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3303	217	330	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3304	217	330	942	10.6	64.9	4	0.0	0.0	0.0	0.0	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3305	217	330	8	0.4	12.2	4	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3331	217	333	2	0.5	4.3	6	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
3691	217	369	1241	51.3	22.2	6	0.0	0.0	0.0	0.0	51.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3692	217	369	401	10.7	21.1	6	0.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3693	217	369	187	6.2	26.9	6	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3694	217	369	1163	22.8	41.6	6	0.0	0.0	0.0	22.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3701	217	370	478	22.1	18.5	6	0.0	0.0	0.0	0.0	0.0	22.1	0.0	0.0	0.0	0.0	0.0	0.0
3702	217	370	601	11.9	42.4	6	0.0	0.0	0.0	0.0	0.0	11.9	0.0	0.0	0.0	0.0	0.0	0.0
3971	217	397	625	19.0	27.8	6	0.0	0.0	0.0	0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0
4151	217	415	1091	23.0	39.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.0	0.0	0.0	0.0	0.0
4152	217	415	803	18.1	32.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.1	0.0	0.0	0.0
4153	217	415	1012	17.6	39.2	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	0.0	0.0
4154	217	415	951	6.8	45.6	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0
4155	217	415	1692	18.8	43.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	0.0
4156	217	415	0	0.0	0.0	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4341	217	434	1805	51.9	30.4	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.9	0.0
4342	217	434	1614	26.3	48.1	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.3
4343	217	434	752	27.6	23.7	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.6
8001	0	0	174297	5590.2	28.3	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5590.2
Total			193508	6085.7			34.2	73.7	42.2	39.7	51.3	45.4	19.0	23.0	35.7	25.6	51.9	5644.0

Transmission Detail Inspection Schedule

Empire District Electric Company

Transmission System -- Infrastructure Detailed Inspection

Line #	NERC	KV	State	From -- Expanded	To -- Expanded	Total Miles	EDE Miles	2009	2010	2011	2012	2013	2014
34-5	NERC	345.0 M		SUB 383 - MONETT	BROOKLINE 345	36.39	22.15	22.15			22.15		
ENTERGY	NERC	161.0	M	SUB 312 - POWERSITE	ENTERGY	0.01	0.01	0.01			0.01		
39-1	NERC	69.0	M	SUB 415 - BLACKHAWK JCT.	KAMO	6.00	6.00	6.00			6.00		
81-0	NERC	161.0	K	SUB 94 - COLUMBUS SOUTHEAST	SUB 452 - RIVERTON	7.70	7.70		7.70			7.70	
81-0	NERC	161.0	K	NEOSHO 161 KV	SUB 94 - COLUMBUS SOUTHEAST	18.09	18.09		18.09			18.09	
84-0	NERC	161.0	M	LITCHFIELD 161 KV	SUB 349 - ASBURY	6.48	6.48		6.48			6.48	
84-0	NERC	161.0	M	CARTHAGE	SUB 395 - CARTHAGE SOUTHWEST	4.10	4.10		4.10			4.10	
84-0	NERC	161.0	M	SUB 349 - ASBURY	SUB 421 - PURCELL SOUTHWEST	11.70	11.70		11.70			11.70	
86-0	NERC	161.0	M	SUB 395 - CARTHAGE SOUTHWEST	SUB 421 - PURCELL SOUTHWEST	7.70	7.70		7.70			7.70	
88-0	NERC	161.0	M	SUB 382 - LARUSSEL	SUB 404 - HOCKERVILLE	8.10	8.10		8.10			8.10	
89-0	NERC	161.0	M	TABLE ROCK	SUB 383 - MONETT	18.00	18.00		18.00			18.00	
91-0	NERC	161.0	M	SUB 392 - DECATUR SOUTH	SUB 438 - RIVERSIDE	3.10	3.10			3.10			3.10
91-1	NERC	161.0	M	GROVE	FLINT CREEK POWER PLANT	5.0000	5.00						5.00
93-0	NERC	161.0	M	SUB 368 - DADEVILLE EAST	SUB 435 - NOEL SOUTHWEST	14.41	14.41			14.41			14.41
PSO-GRDA	NERC	138.0	O	VINITA JUNCTION 138KV	MORGAN AEC 440 SUB	0.70	0.70			0.70			0.70
01-3		69.0	K	SUB SEKAN	SUB 404 - HOCKERVILLE	36.32	0.00						
01-0		69.0	K	SUB 282 - COLUMBUS TENNESSEE ST.	SUB 444 - SHERWIN CITY	2.46	2.46		2.46			2.46	
01-0		69.0	K	SUB 94 - COLUMBUS SOUTHEAST	SUB 94 - COLUMBUS SOUTHEAST	2.00	2.00		2.00			2.00	
01-0		69.0	K	SUB 282 - COLUMBUS SOUTHEAST	SUB 167 - RIVERTON	7.20	7.20		7.20			7.20	
01-1		69.0	K	SUB 282 - COLUMBUS TENNESSEE ST.	SUB 282 - COLUMBUS TENNESSEE ST.	1.80	1.80		1.80			1.80	
01-1		69.0	K	SUB SEKAN	SUB 425 - SHERMAN CITY	7.20	7.20		7.20			7.20	
01-2		69.0	K	SUB SEKAN	SUB SEKAN	1.00	0.00		0.00			0.00	
01-2		69.0	K	SUB 282 - COLUMBUS TENNESSEE ST.	SUB SEKAN	0.00	0.00		0.00			0.00	
06-0		69.0	O	SUB 428 - FAIRLAND SOUTHWEST	SUB 363 - FAIRLAND WEST	1.70	1.70		1.70			1.70	
06-0		69.0	K	SUB 167 - RIVERTON	SUB 406 - RIVERTON SOUTH	0.40	0.40		0.40			0.40	
06-0		69.0	K	SUB 271 - BAXTER SPRINGS WEST	SUB 291 - BAXTER SPRINGS 12TH ST.	5.60	5.60		5.60			5.60	
06-0		69.0	KO	SUB 271 - BAXTER SPRINGS WEST	SUB 404 - HOCKERVILLE	4.00	4.00		4.00			4.00	
06-0		69.0	K	SUB 291 - BAXTER SPRINGS 12TH ST.	SUB 406 - RIVERTON SOUTH	2.80	2.80		2.80			2.80	
06-0		69.0	O	SUB 377 - QUAPAW (EAGLE PICHER)	SUB 404 - HOCKERVILLE	2.40	2.40		2.40			2.40	
06-1		69.0	K	SUB 291 - BAXTER SPRINGS	SUB 291 - BAXTER SPRINGS 12TH ST.	2.94	2.94		2.94			2.94	
06-2		69.0	O	SUB 381 - COMMERCE NORTH	SUB 381 - COMMERCE NORTH	3.60	3.60		3.60			3.60	
06-2		69.0	O	SUB 381 - COMMERCE NORTH	SUB 377 - QUAPAW (EAGLE PICHER)	20.40	20.40		20.40			20.40	
08-0		69.0	O	SUB 250 - ARCOLA NORTH	SUB 363 - FAIRLAND WEST	0.40	0.40		0.40			0.40	
08-1		69.0	M	SUB 250 - ARCOLA NORTH	SUB 614 - GREENFIELD	13.20	13.20	13.20			13.20		
08-1		69.0	M	SUB 324 - STOCKTON NORTHWEST	SUB 631 - STOCKTON CITY	11.60	11.60	11.60			11.60		
08-2		34.5	M	SUB 308 - HUMANSVILLE WEST	SUB 631 - STOCKTON CITY	0.40	0.40	0.40			0.40		
08-2		34.5	M	SUB 308 - HUMANSVILLE WEST	SUB 283 - DUNNEGAN	6.86	6.86	6.86			6.86		
08-2		34.5	M	SUB 324 - STOCKTON NORTHWEST	SUB 304 - CAPLINGER	13.73	13.73	13.73			13.73		
08-3		34.5	M	SUB 308 - HUMANSVILLE WEST	SUB 304 - CAPLINGER	5.70	5.70	5.70			5.70		
08-4		34.5	M	SUB 418 - AEC STOCKTON	SUB 318 - COLLINS SOUTH	7.46	7.46	7.46			7.46		
20-0		34.5	M	SUB 217 - FAIRPLAY EAST	SUB 631 - STOCKTON CITY	2.20	2.20	2.20			2.20		
20-0		69.0	M	SUB EXPLORER PLEASANT HOPE TAP	SUB 283 - DUNNEGAN	6.84	6.84	6.84			6.84		
20-0		69.0	M	SUB EXPLORER PLEASANT HOPE TAP	SUB EXPLORER PLEASANT HOPE	1.50	1.50	1.50			1.50		
20-0		69.0	M	SUB EXPLORER PLEASANT HOPE TAP	SUB 73 - BOLIVAR BURNS	6.90	6.90	6.90			6.90		
20-0		69.0	M	SUB EXPLORER PLEASANT HOPE TAP	SUB 323 - BRIGHTON EAST	3.20	3.20	3.20			3.20		
20-0		69.0	M	SUB 209 - HERMITAGE	SUB 73 - BOLIVAR BURNS	24.79	24.79	24.79			24.79		
20-0		69.0	M	SUB 80 - MARSHFIELD JCT.	SUB 170 - NICHOLS ST.	8.80	8.80	8.80			8.80		
21-0		69.0	M	SUB 184 - NEOSHO SOUTH JCT.	SUB 323 - BRIGHTON EAST	8.00	8.00	8.00			8.00		
21-0		69.0	M	SUB 184 - NEOSHO SOUTH JCT.	SUB 314 - NEOSHO LINDE	1.20	1.20	1.20			1.20		
21-0		69.0	A	SUB 326 - DECATUR NORTH	SUB 322 - ANDERSON SOUTHWEST	15.20	15.20	15.20			15.20		
21-0		69.0	A	SUB 326 - DECATUR NORTH	SUB 392 - DECATUR SOUTH	1.60	1.60	1.60			1.60		
21-0		69.0	MA	SUB 435 - NOEL SOUTHWEST	SUB 700 - GRAVETTE	4.40	4.40	4.40			4.40		
					SUB 700 - GRAVETTE	10.40	10.40	10.40			10.40		

Line #	NERC	KV	State	From -- Expanded	To -- Expanded	Total Miles	EDE Miles	2009	2010	2011	2012	2013	2014
21-0		69.0	M	SUB 443 - NOEL CITY	SUB 322 - ANDERSON SOUTHWEST	7.20	7.20	7.20			7.20		
21-0		69.0	M	SUB 443 - NOEL CITY	SUB 435 - NOEL SOUTHWEST	2.40	2.40	2.40			2.40		
21-1		69.0	M	SUB 56 - NEOSHO WEST	SUB 314 - NEOSHO LINDE	2.80	2.80	2.80			2.80		
21-2		69.0	M	SUB 184 - NEOSHO SOUTH JCT.	SUB 296 - NEOSHO SOUTHEAST (ROCKETDY)	2.40	2.40	2.40			2.40		
21-3		69.0	M	SUB 414 - SOUTHWEST CITY	SUB 435 - NOEL SOUTHWEST	2.40	2.40	2.40			2.40		
25-0		69.0	M	SUB 59 - JOPLIN 26TH ST.	SUB 64 - JOPLIN 10TH ST.	1.60	1.60	2.40	1.60			1.60	
26-0		69.0	M	SUB 121 - ASH GROVE H.T.	SUB 260 - LAWRENCEBURG SHELL	11.60	11.60		11.60		7.20	11.60	
26-0		69.0	M	SUB 121 - ASH GROVE H.T.	SUB 445 - WILLARD	6.68	6.68					6.68	
26-0		69.0	M	SUB 260 - LAWRENCEBURG SHELL	SUB 338 - HEATONVILLE CHEROKEE	6.80	6.80		6.80			6.80	
26-0		69.0	M	SUB 262 - ALBATROSS	SUB 338 - HEATONVILLE CHEROKEE	4.80	4.80		4.80			4.80	
26-0		69.0	M	SUB 351 - MOUNT VERNON EAST	SUB 351 - MOUNT VERNON EAST	5.60	5.60		5.60			5.60	
26-0		69.0	M	SUB 355 - AURORA WEST	SUB 420 - MT. VERNON EAST	0.80	0.80		0.80			0.80	
26-0		69.0	M	SUB 80 - MARSHFIELD JCT.	SUB 420 - MT. VERNON EAST	10.00	10.00		10.00			10.00	
26-0		69.0	M	SUB 80 - MARSHFIELD JCT.	SUB 445 - WILLARD	6.35	6.35		6.35			6.35	
26-0		69.0	M	SUB 124 - AURORA H.T.	SUB 397 - FAIRGROVE SOUTH	8.80	8.80		8.80			8.80	
26-1		69.0	M	SUB 351 - MOUNT VERNON EAST	SUB 355 - AURORA WEST	2.80	2.80		2.80			2.80	
26-2		69.0	M	SUB 364 - RESCUE EXPLORER	MT. VERNON CITY 348	1.00	1.00		1.00			1.00	
26-4		69.0	M	SUB 121 - ASH GROVE H.T.	SUB 262 - ALBATROSS	7.20	7.20		7.20			7.20	
26-5		69.0	M	SUB 445 - WILLARD	SUB 368 - DADEVILLE EAST	15.60	15.60		15.60			15.60	
27-0		34.5	K	SUB 299 - CHETOPA CITY	SUB 369 - WILLARD	2.10	2.10		2.10			2.10	
27-0		34.5	K	SUB 300 - CHETOPA SOUTH	SUB 271 - BAXTER SPRINGS WEST	14.90	14.90		14.90			14.90	
27-0		34.5	KO	SUB 388 - CHETOPA TWIN VALLEY	SUB 388 - CHETOPA TWIN VALLEY	0.30	0.30		0.30			0.30	
27-0		69.0	K	SUB 66 - SCAMMON SOUTH	SUB 186 - WELCH NORTH	11.18	11.18			11.18			
27-1		69.0	K	SUB 94 - COLUMBUS SOUTHEAST	SUB 94 - COLUMBUS SOUTHEAST	10.30	10.30			10.30			
27-3		34.5	K	SUB 299 - CHETOPA CITY	SUB 271 - BAXTER SPRINGS WEST	7.20	7.20			7.20			
27-3		34.5	K	SUB 299 - CHETOPA CITY	SUB 299 - CHETOPA CITY	0.82	0.82			0.82			
29-0		69.0	MK	SUB 145 - JOPLIN WEST 7TH	SUB 300 - CHETOPA SOUTH	0.25	0.25			0.25			
29-0		69.0	K	SUB 167 - RIVERTON	SUB 278 - GALENA NORTHEAST	8.00	8.00			8.00			
30-0		69.0	M	SUB 124 - AURORA H.T.	SUB 278 - GALENA NORTHEAST	8.80	8.80			8.80			
30-0		69.0	M	SUB 124 - AURORA H.T.	SUB 152 - MONETT H.T.	11.20	11.20	11.20			11.20		
30-0		69.0	M	SUB 131 - DIAMOND JCT.	SUB 437 - MARIONVILLE NORTHWEST	8.40	8.40			8.40			
30-0		69.0	M	SUB 152 - MONETT H.T.	SUB 393 - REINMILLER	12.43	12.43			12.43			
30-0		69.0	M	SUB 170 - NICHOLS ST.	SUB 383 - MONETT	2.00	2.00			2.00			
30-0		69.0	M	SUB 205 - WENTWORTH WEST	SUB 345 - REPUBLIC NORTHEAST	10.80	10.80			10.80			
30-0		69.0	M	SUB 221 - BILLINGS NORTHEAST	SUB 362 - SARCOXIE SOUTHWEST	3.20	3.20			3.20			
30-0		69.0	M	SUB 221 - BILLINGS NORTHEAST	SUB 383 - MONETT	13.20	13.20			13.20			
30-0		69.0	M	SUB 345 - REPUBLIC NORTHEAST	SUB 359 - REPUBLIC EAST	6.04	6.04			6.04			
30-0		69.0	M	SUB 347 - GRANBY JUNCTION	SUB 437 - MARIONVILLE NORTHWEST	8.00	8.00			8.00			
30-0		69.0	M	SUB 393 - REINMILLER	SUB 359 - REPUBLIC EAST	5.20	5.20			5.20			
30-0		69.0	M	SUB 59 - JOPLIN 26TH ST.	SUB 131 - DIAMOND JCT.	1.50	1.50			1.50			
30-1		69.0	M	SUB 109 - ATLAS JCT.	SUB 447 - 32ND & STEPHENS	3.10	3.10			3.10			
30-1		69.0	M	SUB 315 - SOLAR TAP (ATLAS POWDER CO.)	SUB 258 - GATEWAY SOUTH	1.60	1.60			1.60			
30-3		69.0	M	SUB 347 - GRANBY JUNCTION	SUB 313 - SOLAR (ATLAS POWDER CO.)	2.80	2.80			2.80			
30-4		69.0	M	SUB 347 - GRANBY JUNCTION	SUB 393 - REINMILLER	4.00	4.00			4.00			
30-5		69.0	M	SUB 131 - DIAMOND JCT.	SUB 242 - DIAMOND SHELL	1.00	1.00			1.00			
30-5		69.0	M	SUB 376 - MONETT CITY SOUTH J2	SUB 347 - GRANBY	4.00	4.00			4.00			
30-6		69.0	M	SUB 311 - MONETT CITY	SUB 362 - SARCOXIE SOUTHWEST	8.80	8.80			8.80			
30-7		69.0	M	SUB 352 - MONETT CITY NORTH	SUB 383 - MONETT	9.20	9.20			9.20			
30-7		69.0	M	SUB 352 - MONETT CITY NORTH	SUB 311 - MONETT CITY	0.40	0.40			0.40			
30-7		69.0	M	SUB 376 - MONETT CITY SOUTH J2	SUB 352 - MONETT CITY NORTH	0.40	0.40			0.40			
30-7		69.0	M	SUB 376 - MONETT CITY SOUTH J2	SUB 383 - MONETT	2.80	2.80			2.80			
30-7		69.0	M	SUB 416 - MONETT CITY EAST	SUB 376 - MONETT CITY SOUTH	0.40	0.40			0.40			
30-8		69.0	M	SUB 416 - MONETT CITY EAST	SUB 416 - MONETT CITY EAST	1.20	1.20			1.20			
					SUB 390 - PURDY SOUTH	8.80	8.80			8.80			
					SUB 416 - MONETT CITY EAST	0.40	0.40			0.40			

Line #	NERC	KV	State	From -- Expanded	To -- Expanded	Total Miles	EDE Miles	2009	2010	2011	2012	2013	2014
30-9		69.0	M	SUB 258 - GATEWAY SOUTH	SUB 447 - 32ND & STEPHENS	1.00	1.00						
31-0		69.0	MK	SUB 59 - JOPLIN 26TH ST.	SUB 167 - RIVERTON	6.40	6.40		1.00	6.40		1.00	6.40
32-0		69.0	M	SUB 100 - JOPLIN 2ND ST.	SUB 284 - JOPLIN EAST 5TH ST.	0.40	0.40			0.40			0.40
32-0		69.0	M	SUB 108 - CARTHAGE NORTHWEST	SUB 109 - ATLAS JCT.	12.00	12.00			12.00			12.00
32-0		69.0	M	SUB 109 - ATLAS JCT.	SUB 360 - JOPLIN NORTHEAST	3.19	3.19			3.19			3.19
32-0		69.0	M	SUB 360 - JOPLIN NORTHEAST	SUB 372 - JOPLIN 2ND & DIVISION	2.80	2.80			2.80			2.80
32-0		69.0	M	SUB 64 - JOPLIN 10TH ST.	SUB 145 - JOPLIN WEST 7TH	2.40	2.40			2.40			2.40
32-0		69.0	M	SUB 64 - JOPLIN 10TH ST.	SUB 284 - JOPLIN EAST 5TH ST.	0.80	0.80			0.80			0.80
32-1		69.0	M	SUB 100 - JOPLIN 2ND ST.	SUB 372 - JOPLIN 2ND & DIVISION	0.40	0.40			0.40			0.40
32-2		69.0	M	SUB 109 - ATLAS JCT.	SUB 315 - SOLAR TAP (ATLAS POWDER CO.)	0.40	0.40	0.40			0.40		
32-2		69.0	M	SUB 315 - SOLAR (ATLAS POWDER CO.)	SUB 315 - SOLAR TAP (ATLAS POWDER CO.)	2.23	2.23	2.23			2.23		
33-0		69.0	M	SUB 108 - CARTHAGE NORTHWEST	SUB 110 - ORONOGO JCT.	11.20	11.20	11.20			11.20		
33-0		69.0	M	SUB 108 - CARTHAGE NORTHWEST	SUB 403 - JASPER WEST TAP	8.80	8.80	8.80			8.80		
33-0		69.0	M	SUB 110 - ORONOGO JCT.	SUB 341 - JOPLIN NORTHWEST	5.20	5.20	5.20			5.20		
33-0		69.0	M	SUB 145 - JOPLIN WEST 7TH	SUB 341 - JOPLIN NORTHWEST	3.20	3.20	3.20			3.20		
33-0		69.0	M	SUB 217 - FAIRPLAY EAST	SUB 368 - DADEVILLE EAST	13.60	13.60	13.60			13.60		
33-0		69.0	M	SUB 217 - FAIRPLAY EAST	SUB 602 - BOLIVAR PLANT	8.00	8.00	8.00			8.00		
33-0		69.0	M	SUB 249 - BOSTON EAST	SUB 251 - GOLDEN CITY NORTH	8.80	8.80	8.80			8.80		
33-0		69.0	M	SUB 249 - BOSTON EAST	SUB 403 - JASPER WEST TAP	8.70	8.70	8.70			8.70		
33-0		69.0	M	SUB 251 - GOLDEN CITY NORTH	SUB 400 - LOCKWOOD	7.60	7.60	7.60			7.60		
33-0		69.0	M	SUB 367 - BOLIVAR SOUTHEAST	SUB 602 - BOLIVAR PLANT	1.60	1.60	1.60			1.60		
33-0		69.0	M	SUB 400 - LOCKWOOD	SUB 614 - GREENFIELD	7.60	7.60	7.60			7.60		
33-0		69.0	M	SUB 403 - JASPER WEST	SUB 403 - JASPER WEST TAP	2.80	2.80	2.80			2.80		
33-0		69.0	M	SUB 73 - BOLIVAR BURNS	SUB 367 - BOLIVAR SOUTHEAST	5.60	5.60	5.60			5.60		
33-0		69.0	M	SUB CU PUMP STATION TAP	SUB 368 - DADEVILLE EAST	5.00	5.00	5.00			5.00		
33-3		69.0	M	SUB CU PUMP STATION TAP	SUB 614 - GREENFIELD	19.50	19.50	19.50			19.50		
34-0		69.0	M	SUB 109 - ATLAS JCT.	SUB CU PUMP STATION	1.20	1.20	1.20			1.20		
34-0		69.0	M	SUB 110 - ORONOGO JCT.	SUB 280 - OAKLAND EAST	3.20	3.20	3.20			3.20		
34-1		161.0	M	SUB 109 - ATLAS JCT.	SUB 280 - OAKLAND EAST	1.60	1.60	1.60			1.60		
35-0		69.0	M	SUB 105 - WEBB CITY - TOM STREET	SUB 432 - JOPLIN OAKLAND NORTH	4.90	4.90	4.90			4.90		
35-0		69.0	M	SUB EXPLORER SPRING CITY TAP	SUB 280 - OAKLAND EAST	2.02	2.02	2.02			2.02		
35-0		69.0	M	SUB EXPLORER SPRING CITY TAP	SUB EXPLORER SPRING CITY	1.00	1.00		1.00				1.00
35-0		69.0	M	SUB 389 - JOPLIN SOUTHWEST	SUB 389 - JOPLIN SOUTHWEST	2.95	2.95		2.95				2.95
35-0		69.0	M	SUB 59 - JOPLIN 26TH ST	SUB 430 - JOPLIN 32ND & OLIVER	3.20	3.20		3.20				3.20
35-1		69.0	M	SUB EXPLORER SPRING CITY TAP	SUB 430 - JOPLIN 32ND & OLIVER	1.60	1.60		1.60				1.60
35-1		69.0	M	SUB 375 - SENECA	SUB 375 - SENECA	5.00	5.00		5.00				5.00
35-1		69.0	M	SUB 56 - NEOSHO WEST	SUB 375 - SENECA	5.10	5.10		5.10				5.10
36-0		69.0	K	SUB 167 - RIVERTON	SUB 339 - GULF JAYHAWK	11.20	11.20		2.16	11.20		2.16	11.20
38-0		69.0	M	SUB 243 - BUFFALO SHELL	SUB 333 - FAIRGROVE CHEROKEE	2.16	2.16		2.16			2.16	
38-0		69.0	M	SUB 333 - FAIRGROVE CHEROKEE	SUB 397 - FAIRGROVE SOUTH	10.30	10.30		10.30			10.30	
38-0		69.0	M	SUB 243 - BUFFALO SHELL	SUB 397 - FAIRGROVE SOUTH	24.00	24.00		24.00			24.00	
38-0		69.0	M	SUB 370 - STRAFFORD	SUB 243 - BUFFALO SHELL	0.21	0.21		0.21			0.21	
38-0		69.0	M	SUB KAMO-STRAFFORD	SUB 397 - FAIRGROVE SOUTH	5.60	5.60		5.60			5.60	
38-0		69.0	M	SUB KAMO-STRAFFORD	SUB 370 - STRAFFORD	3.70	3.70		3.70			3.70	
38-2		69.0	M	SUB 243 - BUFFALO SHELL	SUB 415 - BLACKHAWK JCT.	16.90	16.90		16.90			16.90	
38-2		69.0	M	SUB 73 - BOLIVAR BURNS	SUB 342 - BUFFALO SOUTH	4.51	4.51		4.51			4.51	
38-3		69.0	M	SUB 409 - BUFFALO SOUTH	SUB 342 - BUFFALO SOUTH	10.00	10.00		10.00			10.00	
39-0		69.0	M	SUB 114 - NIXA NORTH	SUB 342 - BUFFALO SOUTH	5.24	5.24		5.24			5.24	
39-0		69.0	M	SUB 114 - NIXA NORTH	SUB 170 - NICHOLS ST.	13.60	13.60		13.60			13.60	
39-0		69.0	M	SUB 312 - POWERSITE	SUB 415 - BLACKHAWK JCT.	4.80	4.80		4.80			4.80	
39-0		69.0	M	SUB 330 - OZARK NORTHWEST	SUB 410 - FORSYTH NORTH	3.20	3.20		3.20			3.20	
39-0		69.0	M	SUB 330 - OZARK NORTHWEST	SUB 415 - BLACKHAWK JCT.	2.40	2.40		2.40			2.40	
39-0		69.0	M	SUB 410 - FORSYTH NORTH	SUB 434 - OZARK SOUTHEAST	2.00	2.00		2.00			2.00	
40-0		69.0	M	SUB 292 - TIPTON FORD	SUB 434 - OZARK SOUTHEAST	26.00	26.00		26.00			26.00	
40-0		69.0	M	SUB 296 - NEOSHO SOUTHEAST (ROCKETDY	SUB 332 - NEOSHO CHEROKEE	4.40	4.40		4.40			4.40	
40-0		69.0	M	SUB 332 - NEOSHO CHEROKEE	SUB 399 - NEOSHO NORTHEAST	6.40	6.40		6.40			6.40	
40-0		69.0	M		SUB 398 - NEOSHO NORTHEAST	6.40	6.40		6.40			6.40	

Line #	NERC	KV	State	From -- Expanded	To -- Expanded	Total Miles	EDE Miles	2009	2010	2011	2012	2013	2014
79-0		161.0	M	SUB 124 - AURORA H.T.	SUB 383 - MONETT	11.50	11.50			11.50			11.50
79-0		161.0	M	SUB 389 - JOPLIN SOUTHWEST	SUB 439 - STATELINE	6.60	6.60			6.60			6.60
79-0		161.0	M	SUB 292 - TIPTON FORD	SUB 383 - MONETT	29.10	29.10			29.10			29.10
79-0		161.0	M	SUB 292 - TIPTON FORD	SUB 389 - JOPLIN SOUTHWEST	7.20	7.20			7.20			7.20
79-0	MK	161.0	MK	SUB 452 - RIVERTON	SUB 439 - STATELINE	9.00	9.00			9.00			9.00
80-0		161.0	M	SUB 124 - AURORA H.T.	SUB 295 - REEDS SPRING	11.50	11.50			11.50			11.50
80-0		161.0	M	SUB 295 - REEDS SPRING	SUB 424 - AEC REEDS SPRING	1.50	1.50			1.50			1.50
80-0		161.0	M	SUB 312 - POWERSITE	SUB 331 - BRANSON NORTH	7.90	7.90			7.90			7.90
80-0		161.0	M	SUB 412 - BRANSON NORTH	SUB 412 - BRANSON NORTHWEST	1.10	1.10			1.10			1.10
80-1		161.0	M	SUB 413 - BRANSON SOUTHWEST	SUB 424 - AEC REEDS SPRING	7.60	7.60			7.60			7.60
80-1		161.0	M	SUB 412 - BRANSON SOUTHWEST	SUB 438 - RIVERSIDE	3.80	3.80			3.80			3.80
80-1		161.0	M	SUB 413 - BRANSON SOUTHWEST	SUB 433 - GREYNA	2.60	2.60			2.60			2.60
82-0		161.0	MK	SUB 110 - ORONOGO JCT.	SUB 433 - GREYNA	2.60	2.60			2.60			2.60
83-0		161.0	M	CARTHAGE	SUB 452 - RIVERTON	13.40	13.40			13.40			13.40
83-0		161.0	M	SUB 110 - ORONOGO JCT.	SUB 109 - ATLAS JCT.	8.20	8.20			8.20			8.20
85-0		161.0	M	SUB 110 - ORONOGO JCT.	SUB 432 - JOPLIN OAKLAND NORTH	1.80	1.80			1.80			1.80
85-0		161.0	M	SUB 349 - ASBURY	SUB 417 - JOPLIN FIR RD.	3.20	3.20			3.20			3.20
85-0		161.0	M	SUB 366 - CARL JUNCTION	SUB 366 - CARL JUNCTION	13.10	13.10			13.10			13.10
87-0		161.0	M	SUB 124 - AURORA H.T.	SUB 417 - JOPLIN FIR RD.	2.40	2.40			2.40			2.40
87-0		161.0	M	SUB 368 - DAEVILLE EAST	SUB 446 - CHESAPEAKE	13.50	13.50			13.50			13.50
87-0		161.0	M	SUB 368 - DAEVILLE EAST	SUB 431 - BOLIVAR SOUTH	17.20	17.20			17.20			17.20
87-0		161.0	M	SUB 73 - BOLIVAR BURNS	SUB 446 - CHESAPEAKE	25.12	25.12			25.12			25.12
89-0		161.0	M	SUB 312 - POWERSITE	SUB 431 - BOLIVAR SOUTH	8.20	8.20			8.20			8.20
89-0		161.0	M	SUB 387 - HOLLISTER EAST	SUB 387 - HOLLISTER EAST	0.80	0.80			0.80			0.80
91-0		161.0	M	SUB 184 - NEOSHO SOUTH JCT.	SUB 435 - NOEL SOUTHWEST	6.40	6.40			6.40			6.40
91-0	MA	161.0	MA	SUB 392 - DECATUR SOUTH	SUB 435 - NOEL SOUTHWEST	23.10	23.10			23.10			23.10
92-0		69.0	M	SUB 292 - TIPTON FORD	SUB 393 - REINMILLER	17.40	17.40			17.40			17.40
92-0		161.0	M	SUB 389 - JOPLIN SOUTHWEST	SUB 422 - JOPLIN 24TH & CONNECTICUT	4.00	4.00		4.00			4.00	
92-0		161.0	M	SUB 391 - JOPLIN SOUTHEAST	SUB 422 - JOPLIN 24TH & CONNECTICUT	7.16	7.16		7.16			7.16	
92-0		161.0	M	NEOSHO	SUB 184 - NEOSHO SOUTH JCT.	2.80	2.80		2.80			2.80	
92-0		161.0	M	NEOSHO	SUB 184 - NEOSHO SOUTH JCT.	1.70	1.70		1.70			1.70	
92-0		161.0	M	SUB 393 - REINMILLER	SUB 292 - TIPTON FORD	10.60	10.60		10.60			10.60	
95-0		161.0	M	SUB 110 - ORONOGO JCT.	SUB 391 - JOPLIN SOUTHEAST	2.05	2.05		2.05			2.05	
95-0		161.0	M	SUB 145 - JOPLIN WEST 7TH	SUB 145 - JOPLIN WEST 7TH	5.80	5.80			5.80			5.80
96-0		161.0	M	SUB 389 - JOPLIN SOUTHWEST	SUB 439 - STATELINE	5.50	5.50			5.50			5.50
KAMO		69.0	M	SUB 446 - CHESAPEAKE	SUB 439 - STATELINE	7.00	7.00			7.00			7.00
KAMO		69.0	M	SUB 446 - CHESAPEAKE	KAMO MAINTAINED	6.06	0.00			0.00			0.00
Westar		161.0	M	LITCHFIELD 161 KV	KAMO MAINTAINED	1.84	0.00			0.00			0.00
					MARMTNE5 161 KV	40.54	0.00			0.00			0.00
						1409.44	1305.64	443.69	444.43	417.52	443.69	444.43	417.52

Transmission Intrusive Inspection Schedule

Transmission System -- Intrusive Wood Inspection/Detailed Steel Inspection Plan

[illegible]

Transmission System -- Intrusive Wood Inspection/Detailed Steel Inspection Plan

[illegible]

Transmission System – Intrusive Wood Inspection/Detailed Steel Inspection Plan

[illegible]

Transmission System – Intrusive Wood Inspection/Detailed Steel Inspection Plan

Line #	From – Expanded	To – Expanded	Pole Type	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
79-0 SUB 124 - AURORA H.T.		SUB 383 - MONETT	Wood	0.00	0.00	11.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79-0 SUB 389 - JOPLIN SOUTHWEST		SUB 439 - STATELINE	Wood	0.00	0.00	6.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79-0 SUB 292 - TIPTON FORD		SUB 383 - MONETT	Wood	0.00	0.00	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79-0 SUB 292 - TIPTON FORD		SUB 389 - JOPLIN SOUTHWEST	Wood	0.00	0.00	7.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
79-0 SUB 452 - RIVERTON		SUB 439 - STATELINE	Wood	0.00	0.00	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80-0 SUB 124 - AURORA H.T.		SUB 295 - REEDS SPRING	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80-0 SUB 295 - REEDS SPRING		SUB 424 - AEC REEDS SPRING	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.50
80-0 SUB 312 - POWERSITE		SUB 331 - BRANSON NORTH	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.50
80-0 SUB 331 - BRANSON NORTH		SUB 412 - BRANSON NORTHWEST	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80-0 SUB 412 - BRANSON NORTHWEST		SUB 424 - AEC REEDS SPRING	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80-1 SUB 413 - BRANSON SOUTHWEST		SUB 438 - RIVERSIDE	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80-1 SUB 413 - BRANSON SOUTHWEST		SUB 433 - GRETNA	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80-1 SUB 413 - BRANSON SOUTHWEST		SUB 433 - GRETNA	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81-0 SUB 94 - COLUMBUS SOUTHEAST		SUB 452 - RIVERTON	Steel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
81-0 NEOSHO 161 KV		SUB 94 - COLUMBUS SOUTHEAST	Steel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82-0 SUB 110 - ORONOGO JCT.		SUB 452 - RIVERTON	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83-0 CARTHAGE		SUB 109 - ATLAS JCT.	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
83-0 SUB 110 - ORONOGO JCT.		SUB 432 - JOPLIN OAKLAND NORTH	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.09	0.00
84-0 LITCHFIELD 161 KV		SUB 349 - ASBURY	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84-0 CARTHAGE		SUB 395 - CARTHAGE SOUTHWEST	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84-0 SUB 349 - ASBURY		SUB 421 - PURCELL SOUTHWEST	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
84-0 SUB 395 - CARTHAGE SOUTHWEST		SUB 421 - PURCELL SOUTHWEST	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85-0 SUB 110 - ORONOGO JCT.		SUB 417 - JOPLIN FIR RD.	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85-0 SUB 349 - ASBURY		SUB 366 - CARL JUNCTION	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85-0 SUB 366 - CARL JUNCTION		SUB 417 - JOPLIN FIR RD.	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
86-0 SUB 452 - RIVERTON		SUB 404 - HOCKERVILLE	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87-0 SUB 124 - AURORA H.T.		SUB 446 - CHESAPEAKE	Wood	0.00	0.00	13.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87-0 SUB 368 - DADEVILLE EAST		SUB 431 - BOLIVAR SOUTH	Wood	0.00	0.00	17.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87-0 SUB 368 - DADEVILLE EAST		SUB 446 - CHESAPEAKE	Wood	0.00	0.00	25.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87-0 SUB 73 - BOLIVAR BURNS		SUB 431 - BOLIVAR SOUTH	Wood	0.00	0.00	8.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88-0 SUB 382 - LARUSSEL		SUB 383 - MONETT	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89-0 TABLE ROCK		SUB 438 - RIVERSIDE	Wood	0.00	3.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00
89-0 SUB 312 - POWERSITE		SUB 387 - HOLLISTER EAST	Wood	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
89-0 SUB 387 - HOLLISTER EAST		SUB 438 - RIVERSIDE	Wood	0.00	6.40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
91-0 SUB 392 - DECATUR SOUTH		FLINT CREEK POWER PLANT	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	0.00
91-0 SUB 184 - NEOSHO SOUTH JCT.		SUB 435 - NOEL SOUTHWEST	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.10	0.00
91-0 SUB 392 - DECATUR SOUTH		SUB 435 - NOEL SOUTHWEST	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.40	0.00
91-1 GROVE		SUB 435 - NOEL SOUTHWEST	Wood	0.00	0.00	0.00	0.00	0.00	0.00	14.41	0.00	0.00	0.00	0.00	0.00
92-0 SUB 292 - TIPTON FORD		SUB 393 - REINMILLER	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92-0 SUB 389 - JOPLIN SOUTHWEST		SUB 422 - JOPLIN 24TH & CONNECTICUT	Wood	0.00	0.00	0.00	0.00	0.00	0.00	7.16	0.00	0.00	0.00	4.00	0.00
92-0 SUB 381 - JOPLIN SOUTHEAST		SUB 422 - JOPLIN 24TH & CONNECTICUT	Steel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
92-0 NEOSHO		SUB 184 - NEOSHO SOUTH JCT.	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.80
92-0 SUB 393 - REINMILLER		SUB 292 - TIPTON FORD	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.70
93-0 SUB 368 - DADEVILLE EAST		SUB 391 - JOPLIN SOUTHEAST	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.60
95-0 SUB 110 - ORONOGO JCT.		MORGAN AEC 440 SUB	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.05
95-0 SUB 145 - JOPLIN WEST 7TH		SUB 145 - JOPLIN WEST 7TH	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70
96-0 SUB 389 - JOPLIN SOUTHWEST		SUB 439 - STATELINE	Wood	0.00	0.00	0.00	5.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
96-0 SUB 312 - POWERSITE		SUB 439 - STATELINE	Wood	0.00	0.00	0.00	7.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KAMO SUB 446 - CHESAPEAKE		ENERGY	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
KAMO SUB 446 - CHESAPEAKE		KAMO MAINTAINED	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		KAMO MAINTAINED	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Empire District Electric Company

Transmission System -- Intrusive Wood Inspection/Detailed Steel Inspection Plan

Line #	From -- Expanded	To -- Expanded	Pole Type	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
PSO-GRDA VINITA JUNCTION 138KV		SUB-404 - HOCKERVILLE	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Westar LITCHFIELD 161 KV		MARMTNE5 161 KV	Wood	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
				117.20	96.46	127.42	104.35	112.58	113.48	98.70	107.38	103.47	108.63	93.29	54.33