

KENTUCKY PUBLIC SERVICE COMMISSION

[Electric Distribution Utility Annual Reliability Report A1:I44](#)

SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	Jackson Purchase Energy Corporation
REPORT PREPARED BY	1.2	Travis Spiceland
E-MAIL ADDRESS OF PREPARER	1.3	travis.spiceland@jpenergy.com
PHONE NUMBER OF PREPARER	1.4	270-441-0856

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	2024
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SECTION 3: MAJOR EVENT DAYS

TMED	3.1	9.74614
FIRST DATE USED TO DETERMINE TMED	3.2	1/1/2019
LAST DATE USED TO DETERMINE TMED	3.3	12/31/2023
NUMBER OF MED IN REPORT YEAR	3.4	3

NOTE: Per IEEE 1366 TMED should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY RESULTS

System - Wide Information

Total Customers	30,772	Total Circuits	92
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Excluding MED

5 Year Average		Reporting Year	
SAIDI	129.805	SAIDI	112.574
SAIFI	1.486	SAIFI	1.151

Including MED

5 Year Average		Reporting Year	
SAIDI	240.362	SAIDI	320.054
SAIFI	1.866	SAIFI	1.586

[Electric Distribution Utility Annual Reliability Report](#)

Additional pages may be attached as necessary
SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

JPEC is reclaiming the full width of the ROW to help extend the timeframe between circuit clearing and reduce the number of ROW related outages. JPEC is also utilizing herbicide to control growth along previously cleared circuits. In addition, JPEC is using outage data to track tree related outages and prioritizing ROW spending to the circuits that require it. Operations personnel are reviewing ROW related outages to more efficiently use available resources. JPEC also employs contract crews that handles "hot-spot" and service order trimming.

SECTION 8: UTILITY COMMENTS

Overall, JPEC's system averaged 99.94% service availability during 2024. Engineering and Operations will continue to monitor outages and associated reliability statistics to ensure attention and resources are directed to the appropriate circuits.

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: BURNA	100 Contractor - Planned	2	25.00 %	2	3.51	14.95 %
Feeder Name: Hampton	300 Equipment Failure	1	12.50 %	1	1.67	7.11 %
Feeder Number: 214	420 ROW	2	25.00 %	6	11.55	49.19 %
Feeder Location: 14214-Hampton	500 Lightning	1	12.50 %	4	4.08	17.38 %
Customer Count: 85	690 Animal	2	25.00 %	3	2.67	11.37 %
Circuit 5 Year Average (SAIDI): 97.2330						
Reporting Year (SAIDI) 8.1521						
Circuit 5 Year Average (SAIFI): 0.3810						
Reporting Year (SAIFI): 0.0705						
Total Circuit Length: 12.0						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: BURNA	100 Contractor - Planned	7	25.93 %	12	23.10	5.89 %
Feeder Name: Salem	110 JPEC - Planned	3	11.11 %	20	19.97	5.09 %
Feeder Number: 244	300 Equipment Failure	3	11.11 %	4	8.15	2.08 %
Feeder Location: 14244-Salem	420 ROW	5	18.52 %	60	324.97	82.80 %
Customer Count: 324	500 Lightning	3	11.11 %	3	7.11	1.81 %
Circuit 5 Year Average (SAIDI): 131.9298	690 Animal	1	3.70 %	2	2.98	0.76 %
Reporting Year (SAIDI) 60.1836	700 Member/Public Caused	3	11.11 %	3	3.42	0.87 %
Circuit 5 Year Average (SAIFI): 0.6180	810 Load	1	3.70 %	1	1.65	0.42 %
Reporting Year (SAIFI): 0.1852	999 Cause unknown	1	3.70 %	1	1.12	0.29 %
Total Circuit Length: 53.0						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: BURNA	100 Contractor - Planned	1	3.85 %	1	2.71	0.28 %
Feeder Name: Smithland	110 JPEC - Planned	1	3.85 %	2	2.45	0.25 %
Feeder Number: 254	300 Equipment Failure	3	11.54 %	6	10.75	1.10 %
Feeder Location: 14254-Smithland	420 ROW	6	23.08 %	393	472.03	48.19 %
Customer Count: 350	500 Lightning	5	19.23 %	52	120.22	12.27 %
Circuit 5 Year Average (SAIDI): 257.1638	690 Animal	5	19.23 %	7	11.44	1.17 %
Reporting Year (SAIDI) 80.9696	700 Member/Public Caused	1	3.85 %	2	10.79	1.10 %
Circuit 5 Year Average (SAIFI): 2.1253	710 Motor Vehicle	1	3.85 %	2	11.56	1.18 %
Reporting Year (SAIFI): 1.1236	999 Cause unknown	3	11.54 %	85	337.55	34.46 %
Total Circuit Length: 69.8						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: CALVERT CITY	110 JPEC - Planned	3	16.67 %	284	127.08	19.55 %
Feeder Name: Hwy 95	420 ROW	5	27.78 %	68	459.84	70.74 %
Feeder Number: 214	690 Animal	6	33.33 %	9	9.29	1.43 %
Feeder Location: 43214-Hwy 95	700 Member/Public Caused	2	11.11 %	51	47.69	7.34 %
Customer Count: 247	999 Cause unknown	2	11.11 %	4	6.10	0.94 %
Circuit 5 Year Average (SAIDI): 82.5353						
Reporting Year (SAIDI) 111.7675						
Circuit 5 Year Average (SAIFI): 0.7900						
Reporting Year (SAIFI): 1.1505						
Total Circuit Length: 18.1						
Date of Last Circuit Trim: 2017						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: CALVERT CITY	100 Contractor - Planned	4	12.50 %	17	25.45	0.63 %
Feeder Name: Calvert Heights	110 JPEC - Planned	1	3.12 %	670	148.33	3.65 %
Feeder Number: 224	300 Equipment Failure	5	15.62 %	76	115.52	2.84 %
Feeder Location: 43224-Calvert Heigh	420 ROW	8	25.00 %	133	132.57	3.26 %
Customer Count: 653	500 Lightning	1	3.12 %	665	3488.48	85.72 %
Circuit 5 Year Average (SAIDI): 135.1727	690 Animal	7	21.88 %	77	73.33	1.80 %
Reporting Year (SAIDI): 320.3329	700 Member/Public Caused	3	9.38 %	11	12.83	0.32 %
Circuit 5 Year Average (SAIFI): 1.3113	999 Cause unknown	3	9.38 %	80	72.90	1.79 %
Reporting Year (SAIFI): 1.0254						
Total Circuit Length: 28.9						
Date of Last Circuit Trim: 2024						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: CALVERT CITY	110 JPEC - Planned	3	23.08 %	4	2.29	1.28 %
Feeder Name: Gilbertsville	420 ROW	4	30.77 %	55	58.99	32.90 %
Feeder Number: 234	500 Lightning	1	7.69 %	9	70.04	39.07 %
Feeder Location: 43234-Gilbertsville	690 Animal	3	23.08 %	32	31.22	17.41 %
Customer Count: 342	700 Member/Public Caused	1	7.69 %	5	14.16	7.90 %
Circuit 5 Year Average (SAIDI): 53.5838	999 Cause unknown	1	7.69 %	2	2.59	1.44 %
Reporting Year (SAIDI): 12.2903						
Circuit 5 Year Average (SAIFI): 0.5375						
Reporting Year (SAIFI): 0.1608						
Total Circuit Length: 23.6						
Date of Last Circuit Trim: 2017						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: CALVERT CITY	500 Lightning	2	100.00 %	26	253.85	100.00 %
Feeder Name: Industrial Park						
Feeder Number: 244						
Feeder Location: 43244-Industrial Par						
Customer Count: 25						
Circuit 5 Year Average (SAIDI): 152.8049						
Reporting Year (SAIDI) 614.8917						
Circuit 5 Year Average (SAIFI): 0.4522						
Reporting Year (SAIFI): 1.0497						
Total Circuit Length: 5.0						
Date of Last Circuit Trim: 2017						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: COLEMAN ROAD	420 ROW	7	63.64 %	234	796.62	99.40 %
Feeder Name: Conrad Heights	690 Animal	4	36.36 %	10	4.79	0.60 %
Feeder Number: 224						
Feeder Location: 30224-Conrad Heigh						
Customer Count: 370						
Circuit 5 Year Average (SAIDI): 189.0779						
Reporting Year (SAIDI) 129.0743						
Circuit 5 Year Average (SAIFI): 1.7072						
Reporting Year (SAIFI): 0.6319						
Total Circuit Length: 18.1						
Date of Last Circuit Trim: 2018						
Corrective Action Plan:						

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: COLEMAN ROAD	100 Contractor - Planned	1	50.00 %	3	14.30	91.96 %
Feeder Name: Hwy 60 Business	420 ROW	1	50.00 %	1	1.25	8.04 %
Feeder Number: 244						
Feeder Location: 30244-Hwy 60 Busi						
Customer Count: 104						
Circuit 5 Year Average (SAIDI): 54.0486						
Reporting Year (SAIDI) 8.2176						
Circuit 5 Year Average (SAIFI): 0.7375						
Reporting Year (SAIFI): 0.0287						
Total Circuit Length: 7.7						
Date of Last Circuit Trim: 2018						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: COLEMAN ROAD	110 JPEC - Planned	3	100.00 %	10	32.98	100.00 %
Feeder Name: KY Oaks Mall						
Feeder Number: 254						
Feeder Location: 30254-KY Oaks Mal						
Customer Count: 80						
Circuit 5 Year Average (SAIDI): 53.9102						
Reporting Year (SAIDI) 24.6521						
Circuit 5 Year Average (SAIFI): 0.4235						
Reporting Year (SAIFI): 0.1246						
Total Circuit Length: 3.9						
Date of Last Circuit Trim: 2018						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: CULP	100 Contractor - Planned	3	21.43 %	8	10.39	1.55 %
Feeder Name: Proform	110 JPEC - Planned	1	7.14 %	3	10.18	1.52 %
Feeder Number: 214	420 ROW	4	28.57 %	466	578.26	86.20 %
Feeder Location: 42214-Proform	690 Animal	6	42.86 %	83	72.00	10.73 %
Customer Count: 428						
Circuit 5 Year Average (SAIDI): 122.2442						
Reporting Year (SAIDI) 81.0868						
Circuit 5 Year Average (SAIFI): 1.3476						
Reporting Year (SAIFI): 1.0891						
Total Circuit Length: 25.8						
Date of Last Circuit Trim: 2018						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: CULP	300 Equipment Failure	1	16.67 %	2	1.64	2.99 %
Feeder Name: Little Cypress	420 ROW	4	66.67 %	6	49.40	90.06 %
Feeder Number: 224	500 Lightning	1	16.67 %	1	3.81	6.95 %
Feeder Location: 42224-Little Cypress						
Customer Count: 49						
Circuit 5 Year Average (SAIDI): 95.3762						
Reporting Year (SAIDI) 60.4473						
Circuit 5 Year Average (SAIFI): 1.1256						
Reporting Year (SAIFI): 0.1223						
Total Circuit Length: 8.1						
Date of Last Circuit Trim: 2018						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: CULP	100 Contractor - Planned	6	23.08 %	11	21.22	4.53 %
Feeder Name: Possum Trot	300 Equipment Failure	1	3.85 %	1	0.54	0.12 %
Feeder Number: 234	420 ROW	8	30.77 %	221	352.82	75.31 %
Feeder Location: 42234-Possum Trot	500 Lightning	1	3.85 %	2	2.64	0.56 %
Customer Count: 204	690 Animal	8	30.77 %	45	41.75	8.91 %
Circuit 5 Year Average (SAIDI): 208.5896	700 Member/Public Caused	1	3.85 %	33	46.83	10.00 %
Reporting Year (SAIDI): 103.9257	999 Cause unknown	1	3.85 %	3	2.68	0.57 %
Circuit 5 Year Average (SAIFI): 2.0659						
Reporting Year (SAIFI): 1.0850						
Total Circuit Length: 18.7						
Date of Last Circuit Trim: 2018						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: CULP	100 Contractor - Planned	37	46.25 %	72	133.42	3.98 %
Feeder Name: Sharpe	110 JPEC - Planned	2	2.50 %	10	8.50	0.25 %
Feeder Number: 244	300 Equipment Failure	4	5.00 %	105	141.60	4.22 %
Feeder Location: 42244-Sharpe	420 ROW	17	21.25 %	216	981.58	29.28 %
Customer Count: 1,113	500 Lightning	2	2.50 %	10	34.39	1.03 %
Circuit 5 Year Average (SAIDI): 189.7764	510 Wind - Not Trees	1	1.25 %	1	0.52	0.02 %
Reporting Year (SAIDI): 106.9596	690 Animal	14	17.50 %	74	63.12	1.88 %
Circuit 5 Year Average (SAIFI): 1.8417	710 Motor Vehicle	1	1.25 %	479	1983.46	59.18 %
Reporting Year (SAIFI): 0.4305	999 Cause unknown	2	2.50 %	4	5.23	0.16 %
Total Circuit Length: 80.2						
Date of Last Circuit Trim: 2018						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: CUMBERLAND JPEC	100 Contractor - Planned	13	65.00 %	16	27.44	6.69 %
Feeder Name: Pinckneyville	110 JPEC - Planned	1	5.00 %	2	1.81	0.44 %
Feeder Number: 224	300 Equipment Failure	2	10.00 %	2	2.98	0.73 %
Feeder Location: 15224-Pinckneyville	420 ROW	3	15.00 %	121	353.46	86.18 %
Customer Count: 115	700 Member/Public Caused	1	5.00 %	7	24.47	5.97 %
Circuit 5 Year Average (SAIDI): 258.9498						
Reporting Year (SAIDI) 184.3215						
Circuit 5 Year Average (SAIFI): 2.1884						
Reporting Year (SAIFI): 1.0516						
Total Circuit Length: 27.6						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: CUMBERLANDQUA	300 Equipment Failure	1	33.33 %	1	1.56	0.85 %
Feeder Name: Quarry	700 Member/Public Caused	1	33.33 %	32	181.91	98.72 %
Feeder Number: 234	810 Load	1	33.33 %	1	0.79	0.43 %
Feeder Location: 15234-Quarry						
Customer Count: 31						
Circuit 5 Year Average (SAIDI): 284.6378						
Reporting Year (SAIDI) 352.4217						
Circuit 5 Year Average (SAIFI): 2.0730						
Reporting Year (SAIFI): 1.0333						
Total Circuit Length: 5.5						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: DRAFFENVILLE	100 Contractor - Planned	54	77.14 %	407	519.27	64.65 %
Feeder Name: Draffenville	110 JPEC - Planned	1	1.43 %	1	0.61	0.08 %
Feeder Number: 214	300 Equipment Failure	4	5.71 %	9	19.90	2.48 %
Feeder Location: 66214-Draffenville	420 ROW	2	2.86 %	19	193.27	24.06 %
Customer Count: 489	690 Animal	5	7.14 %	36	35.72	4.45 %
Circuit 5 Year Average (SAIDI): 124.9270	999 Cause unknown	4	5.71 %	34	34.37	4.28 %
Reporting Year (SAIDI): 63.6530						
Circuit 5 Year Average (SAIFI): 1.0702						
Reporting Year (SAIFI): 0.8316						
Total Circuit Length: 12.4						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: DRAFFENVILLE	None None	0	0.00 %	0	0.00	0.00 %
Feeder Name: Hwy 68						
Feeder Number: 224						
Feeder Location: 66224-Hwy 68						
Customer Count: 57						
Circuit 5 Year Average (SAIDI): 0.0000						
Reporting Year (SAIDI): 0.0000						
Circuit 5 Year Average (SAIFI): 0.0000						
Reporting Year (SAIFI): 0.0000						
Total Circuit Length: 18.1						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: FREEMONT	100 Contractor - Planned	18	18.18 %	30	55.77	0.12 %
Feeder Name: Symsonia	110 JPEC - Planned	5	5.05 %	616	1630.81	3.48 %
Feeder Number: 214	300 Equipment Failure	16	16.16 %	260	624.26	1.33 %
Feeder Location: 51214-Symsonia	420 ROW	32	32.32 %	1582	7643.49	16.33 %
Customer Count: 1,013	500 Lightning	7	7.07 %	48	541.12	1.16 %
Circuit 5 Year Average (SAIDI): 735.6890	510 Wind - Not Trees	1	1.01 %	254	32341.76	69.11 %
Reporting Year (SAIDI) 1915.0167	690 Animal	13	13.13 %	2118	3909.46	8.35 %
Circuit 5 Year Average (SAIFI): 3.0899	810 Load	1	1.01 %	1	1.53	0.00 %
Reporting Year (SAIFI): 2.0902	999 Cause unknown	6	6.06 %	41	46.94	0.10 %
Total Circuit Length: 93.8						
Date of Last Circuit Trim: 2024						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: FREEMONT	100 Contractor - Planned	11	32.35 %	21	45.87	1.24 %
Feeder Name: McNeil Lane	300 Equipment Failure	1	2.94 %	1	1.88	0.05 %
Feeder Number: 224	420 ROW	13	38.24 %	288	2982.73	80.51 %
Feeder Location: 51224-McNeil Lane	500 Lightning	2	5.88 %	6	9.63	0.26 %
Customer Count: 335	510 Wind - Not Trees	1	2.94 %	5	7.84	0.21 %
Circuit 5 Year Average (SAIDI): 527.4176	690 Animal	5	14.71 %	349	655.60	17.70 %
Reporting Year (SAIDI) 534.4726	700 Member/Public Caused	1	2.94 %	1	1.06	0.03 %
Circuit 5 Year Average (SAIFI): 1.0656						
Reporting Year (SAIFI): 1.0423						
Total Circuit Length: 41.3						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: FREEMONT	100 Contractor - Planned	1	3.57 %	1	2.46	0.16 %
Feeder Name: Freemont	110 JPEC - Planned	1	3.57 %	1	0.49	0.03 %
Feeder Number: 244	300 Equipment Failure	3	10.71 %	52	113.37	7.53 %
Feeder Location: 51244-Freemont	420 ROW	4	14.29 %	76	128.25	8.51 %
Customer Count: 333	500 Lightning	6	21.43 %	61	144.36	9.58 %
Circuit 5 Year Average (SAIDI): 148.2425	510 Wind - Not Trees	1	3.57 %	1	0.51	0.03 %
Reporting Year (SAIDI): 96.6682	690 Animal	4	14.29 %	330	451.92	30.00 %
Circuit 5 Year Average (SAIFI): 1.4934	700 Member/Public Caused	1	3.57 %	329	128.31	8.52 %
Reporting Year (SAIFI): 0.9908	999 Cause unknown	7	25.00 %	182	536.63	35.63 %
Total Circuit Length: 25.0						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: FREEMONT	100 Contractor - Planned	4	44.44 %	128	18.89	2.31 %
Feeder Name: Bonds Rd	300 Equipment Failure	1	11.11 %	1	0.91	0.11 %
Feeder Number: 254	420 ROW	2	22.22 %	128	514.02	62.84 %
Feeder Location: 51254-Bonds Rd	510 Wind - Not Trees	1	11.11 %	25	60.53	7.40 %
Customer Count: 127	690 Animal	1	11.11 %	127	223.63	27.34 %
Circuit 5 Year Average (SAIDI): 710.6820						
Reporting Year (SAIDI): 242.9580						
Circuit 5 Year Average (SAIFI): 2.2609						
Reporting Year (SAIFI): 1.0084						
Total Circuit Length: 17.3						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: GRAND RIVERS	300 Equipment Failure	4	11.43 %	5	8.49	0.24 %
Feeder Name: Iuka	420 ROW	17	48.57 %	705	3142.17	87.53 %
Feeder Number: 214	500 Lightning	4	11.43 %	312	373.18	10.40 %
Feeder Location: 76214-Iuka	690 Animal	10	28.57 %	41	65.87	1.83 %
Customer Count: 300						
Circuit 5 Year Average (SAIDI): 467.4524						
Reporting Year (SAIDI) 628.1414						
Circuit 5 Year Average (SAIFI): 2.3322						
Reporting Year (SAIFI): 2.3489						
Total Circuit Length: 48.3						
Date of Last Circuit Trim: 2016						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: GRAND RIVERS	100 Contractor - Planned	2	11.11 %	12	20.25	2.21 %
Feeder Name: Smithland	420 ROW	8	44.44 %	409	641.31	69.96 %
Feeder Number: 224	690 Animal	5	27.78 %	11	11.51	1.26 %
Feeder Location: 76224-Smithland	700 Member/Public Caused	1	5.56 %	329	210.16	22.92 %
Customer Count: 314	710 Motor Vehicle	1	5.56 %	1	4.21	0.46 %
Circuit 5 Year Average (SAIDI): 4560.2010	999 Cause unknown	1	5.56 %	32	29.29	3.20 %
Reporting Year (SAIDI) 122.6582						
Circuit 5 Year Average (SAIFI): 1.6819						
Reporting Year (SAIFI): 1.3038						
Total Circuit Length: 31.4						
Date of Last Circuit Trim: 2016						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: GRAND RIVERS	110 JPEC - Planned	4	19.05 %	6	7.89	0.49 %
Feeder Name: Pelican GR #1	300 Equipment Failure	2	9.52 %	3	3.81	0.24 %
Feeder Number: 244	420 ROW	5	23.81 %	100	1259.49	77.94 %
Feeder Location: 76244-Pelican GR #	500 Lightning	2	9.52 %	12	34.45	2.13 %
Customer Count: 380	690 Animal	6	28.57 %	199	286.73	17.74 %
Circuit 5 Year Average (SAIDI): 174.2442	700 Member/Public Caused	1	4.76 %	12	22.68	1.40 %
Reporting Year (SAIDI): 198.6574	810 Load	1	4.76 %	1	1.02	0.06 %
Circuit 5 Year Average (SAIFI): 0.9984						
Reporting Year (SAIFI): 0.5231						
Total Circuit Length: 25.1						
Date of Last Circuit Trim: 2016						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: GRAND RIVERS	110 JPEC - Planned	4	13.79 %	17	32.51	0.43 %
Feeder Name: Averitt GR #2	300 Equipment Failure	5	17.24 %	1414	4514.57	60.20 %
Feeder Number: 254	420 ROW	4	13.79 %	944	668.52	8.91 %
Feeder Location: 76254-Averitt GR #	500 Lightning	1	3.45 %	2	4.05	0.05 %
Customer Count: 677	690 Animal	12	41.38 %	1455	2234.29	29.79 %
Circuit 5 Year Average (SAIDI): 471.8478	999 Cause unknown	3	10.34 %	35	45.66	0.61 %
Reporting Year (SAIDI): 400.3457						
Circuit 5 Year Average (SAIFI): 3.8085						
Reporting Year (SAIFI): 2.1505						
Total Circuit Length: 46.5						
Date of Last Circuit Trim: 2022						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: HIGHPOINT	110 JPEC - Planned	2	8.70 %	3	3.65	0.75 %
Feeder Name: High Point	300 Equipment Failure	2	8.70 %	10	34.00	6.98 %
Feeder Number: 214	420 ROW	11	47.83 %	60	110.68	22.71 %
Feeder Location: 29214-High Point	500 Lightning	2	8.70 %	214	328.77	67.45 %
Customer Count: 191	690 Animal	5	21.74 %	9	8.82	1.81 %
Circuit 5 Year Average (SAIDI): 106.8071	999 Cause unknown	1	4.35 %	2	1.49	0.31 %
Reporting Year (SAIDI): 103.2574						
Circuit 5 Year Average (SAIFI): 1.0260						
Reporting Year (SAIFI): 1.1202						
Total Circuit Length: 20.6						
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: HIGHPOINT	110 JPEC - Planned	1	7.69 %	1	1.44	0.30 %
Feeder Name: Carneal Rd	300 Equipment Failure	1	7.69 %	1	0.96	0.20 %
Feeder Number: 224	420 ROW	6	46.15 %	65	203.32	42.64 %
Feeder Location: 29224-Carneal Rd	500 Lightning	2	15.38 %	78	197.29	41.38 %
Customer Count: 242	700 Member/Public Caused	1	7.69 %	13	9.77	2.05 %
Circuit 5 Year Average (SAIDI): 337.7537	999 Cause unknown	2	15.38 %	39	64.01	13.43 %
Reporting Year (SAIDI): 50.4505						
Circuit 5 Year Average (SAIFI): 3.0702						
Reporting Year (SAIFI): 0.3226						
Total Circuit Length: 33.1						
Date of Last Circuit Trim: 2023						
Corrective Action Plan:						

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: HUSBANDS ROAD	100 Contractor - Planned	25	46.30 %	83	175.35	13.45 %
Feeder Name: Husbands Rd	110 JPEC - Planned	6	11.11 %	39	24.24	1.86 %
Feeder Number: 224	300 Equipment Failure	4	7.41 %	5	3.55	0.27 %
Feeder Location: 40224-Husbands Rd	420 ROW	8	14.81 %	192	1031.75	79.15 %
Customer Count: 781	690 Animal	6	11.11 %	90	58.97	4.52 %
Circuit 5 Year Average (SAIDI): 86.0704	700 Member/Public Caused	2	3.70 %	2	2.11	0.16 %
Reporting Year (SAIDI): 79.3091	810 Load	1	1.85 %	3	4.66	0.36 %
Circuit 5 Year Average (SAIFI): 0.8630	999 Cause unknown	2	3.70 %	3	2.91	0.22 %
Reporting Year (SAIFI): 1.0249						
Total Circuit Length: 44.7						
Date of Last Circuit Trim: 2018						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: HUSBANDS ROAD	100 Contractor - Planned	1	6.67 %	1	1.78	0.06 %
Feeder Name: Lydon Rd	110 JPEC - Planned	1	6.67 %	4	7.44	0.26 %
Feeder Number: 234	300 Equipment Failure	1	6.67 %	1	1.98	0.07 %
Feeder Location: 40234-Lydon Rd	420 ROW	5	33.33 %	523	2757.75	98.02 %
Customer Count: 459	500 Lightning	2	13.33 %	3	8.62	0.31 %
Circuit 5 Year Average (SAIDI): 212.3731	690 Animal	4	26.67 %	17	30.22	1.07 %
Reporting Year (SAIDI): 360.6550	999 Cause unknown	1	6.67 %	4	5.76	0.20 %
Circuit 5 Year Average (SAIFI): 1.5881						
Reporting Year (SAIFI): 1.1400						
Total Circuit Length: 32.3						
Date of Last Circuit Trim: 2018						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: HUSBANDS ROAD	100 Contractor - Planned	4	20.00 %	8	7.80	0.18 %
Feeder Name: Clarkline Rd	300 Equipment Failure	4	20.00 %	58	79.09	1.83 %
Feeder Number: 244	420 ROW	7	35.00 %	410	4041.43	93.36 %
Feeder Location: 40244-Clarkline Rd	510 Wind - Not Trees	1	5.00 %	51	64.40	1.49 %
Customer Count: 346	690 Animal	2	10.00 %	3	1.78	0.04 %
Circuit 5 Year Average (SAIDI): 298.7798	700 Member/Public Caused	1	5.00 %	3	4.13	0.10 %
Reporting Year (SAIDI): 701.3521	710 Motor Vehicle	1	5.00 %	45	130.21	3.01 %
Circuit 5 Year Average (SAIFI): 2.9496						
Reporting Year (SAIFI): 1.1859						
Total Circuit Length: 26.3						
Date of Last Circuit Trim: 2018						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: JOY	110 JPEC - Planned	1	6.25 %	2	2.05	0.10 %
Feeder Name: Hampton South	300 Equipment Failure	2	12.50 %	2	5.13	0.24 %
Feeder Number: 214	420 ROW	6	37.50 %	358	1888.86	88.31 %
Feeder Location: 05214-Hampton Sou	500 Lightning	2	12.50 %	3	4.61	0.22 %
Customer Count: 182	690 Animal	4	25.00 %	111	237.08	11.08 %
Circuit 5 Year Average (SAIDI): 647.7415	999 Cause unknown	1	6.25 %	1	1.08	0.05 %
Reporting Year (SAIDI): 621.7110						
Circuit 5 Year Average (SAIFI): 3.0084						
Reporting Year (SAIFI): 1.9639						
Total Circuit Length: 57.6						
Date of Last Circuit Trim: 2023						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: JOY	110 JPEC - Planned	1	33.33 %	2	0.94	0.46 %
Feeder Name: Carrsville	420 ROW	1	33.33 %	70	114.20	56.45 %
Feeder Number: 244	999 Cause unknown	1	33.33 %	70	87.17	43.09 %
Feeder Location: 05244-Carrsville						
Customer Count: 71						
Circuit 5 Year Average (SAIDI): 129.3562						
Reporting Year (SAIDI) 97.0927						
Circuit 5 Year Average (SAIFI): 1.0854						
Reporting Year (SAIFI): 0.9919						
Total Circuit Length: 10.6						
Date of Last Circuit Trim: 2016						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: JOY	110 JPEC - Planned	2	9.09 %	7	11.12	3.13 %
Feeder Name: Lola	300 Equipment Failure	4	18.18 %	5	7.84	2.21 %
Feeder Number: 254	420 ROW	11	50.00 %	147	308.40	86.86 %
Feeder Location: 05254-Lola	500 Lightning	1	4.55 %	1	10.54	2.97 %
Customer Count: 286	690 Animal	1	4.55 %	2	3.73	1.05 %
Circuit 5 Year Average (SAIDI): 242.3674	700 Member/Public Caused	2	9.09 %	7	12.14	3.42 %
Reporting Year (SAIDI) 64.7686	999 Cause unknown	1	4.55 %	1	1.27	0.36 %
Circuit 5 Year Average (SAIFI): 1.6920						
Reporting Year (SAIFI): 0.5145						
Total Circuit Length: 56.8						
Date of Last Circuit Trim: 2016						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: KANSAS	100 Contractor - Planned	10	28.57 %	13	50.99	14.87 %
Feeder Name: Lowes	110 JPEC - Planned	2	5.71 %	3	4.85	1.41 %
Feeder Number: 214	300 Equipment Failure	6	17.14 %	65	82.45	24.04 %
Feeder Location: 61214-Lowes	420 ROW	2	5.71 %	7	18.99	5.54 %
Customer Count: 456	500 Lightning	2	5.71 %	49	137.14	39.99 %
Circuit 5 Year Average (SAIDI): 84.9873	690 Animal	6	17.14 %	58	39.56	11.54 %
Reporting Year (SAIDI): 18.0520	700 Member/Public Caused	2	5.71 %	3	4.26	1.24 %
Circuit 5 Year Average (SAIFI): 1.1860	710 Motor Vehicle	1	2.86 %	1	0.99	0.29 %
Reporting Year (SAIFI): 0.1426	810 Load	1	2.86 %	2	0.90	0.26 %
Total Circuit Length: 59.2	999 Cause unknown	3	8.57 %	4	2.81	0.82 %
Date of Last Circuit Trim: 2022						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: KANSAS	420 ROW	14	60.87 %	163	675.47	91.75 %
Feeder Name: Folsomdale	500 Lightning	4	17.39 %	10	28.70	3.90 %
Feeder Number: 224	690 Animal	1	4.35 %	1	0.70	0.10 %
Feeder Location: 61224-Folsomdale	700 Member/Public Caused	2	8.70 %	4	19.59	2.66 %
Customer Count: 210	999 Cause unknown	2	8.70 %	13	11.73	1.59 %
Circuit 5 Year Average (SAIDI): 251.1514						
Reporting Year (SAIDI): 192.8204						
Circuit 5 Year Average (SAIFI): 1.3027						
Reporting Year (SAIFI): 0.7755						
Total Circuit Length: 29.4						
Date of Last Circuit Trim: 2016						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: KANSAS	100 Contractor - Planned	2	7.69 %	4	9.08	1.54 %
Feeder Name: Melber	110 JPEC - Planned	1	3.85 %	1	0.86	0.15 %
Feeder Number: 234	300 Equipment Failure	2	7.69 %	5	12.34	2.09 %
Feeder Location: 61234-Melber	420 ROW	6	23.08 %	146	396.49	67.16 %
Customer Count: 589	500 Lightning	3	11.54 %	27	129.83	21.99 %
Circuit 5 Year Average (SAIDI): 336.1943	510 Wind - Not Trees	1	3.85 %	2	3.12	0.53 %
Reporting Year (SAIDI) 40.3856	690 Animal	7	26.92 %	13	15.23	2.58 %
Circuit 5 Year Average (SAIFI): 2.1118	700 Member/Public Caused	1	3.85 %	2	3.78	0.64 %
Reporting Year (SAIFI): 0.2479	999 Cause unknown	3	11.54 %	16	19.64	3.33 %
Total Circuit Length: 53.6						
Date of Last Circuit Trim: 2016						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: KANSAS	100 Contractor - Planned	2	8.00 %	2	6.55	0.55 %
Feeder Name: Pottsville	110 JPEC - Planned	1	4.00 %	1	0.86	0.07 %
Feeder Number: 244	300 Equipment Failure	2	8.00 %	32	59.42	4.98 %
Feeder Location: 61244-Pottsville	420 ROW	7	28.00 %	162	489.84	41.07 %
Customer Count: 364	500 Lightning	4	16.00 %	66	99.07	8.31 %
Circuit 5 Year Average (SAIDI): 539.4363	690 Animal	4	16.00 %	94	92.74	7.78 %
Reporting Year (SAIDI) 80.7173	700 Member/Public Caused	1	4.00 %	1	4.38	0.37 %
Circuit 5 Year Average (SAIFI): 3.8905	710 Motor Vehicle	1	4.00 %	84	433.79	36.37 %
Reporting Year (SAIFI): 0.4449	730 Fire	1	4.00 %	3	3.86	0.32 %
Total Circuit Length: 47.4	999 Cause unknown	2	8.00 %	2	2.14	0.18 %
Date of Last Circuit Trim: 2024						
Corrective Action Plan:						

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: KEVIL	100 Contractor - Planned	10	18.52 %	19	62.39	6.29 %
Feeder Name: Hobbs Rd	110 JPEC - Planned	6	11.11 %	81	64.75	6.53 %
Feeder Number: 214	300 Equipment Failure	3	5.56 %	6	3.90	0.39 %
Feeder Location: 28214-Hobbs Rd	420 ROW	12	22.22 %	324	722.52	72.90 %
Customer Count: 543	500 Lightning	3	5.56 %	4	4.37	0.44 %
Circuit 5 Year Average (SAIDI): 235.5295	690 Animal	12	22.22 %	95	86.61	8.74 %
Reporting Year (SAIDI): 79.9020	700 Member/Public Caused	1	1.85 %	12	18.96	1.91 %
Circuit 5 Year Average (SAIFI): 1.9383	810 Load	4	7.41 %	12	9.04	0.91 %
Reporting Year (SAIFI): 1.0045	999 Cause unknown	3	5.56 %	23	18.63	1.88 %
Total Circuit Length: 52.6						
Date of Last Circuit Trim: 2016						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: KEVIL	100 Contractor - Planned	2	7.69 %	3	3.59	1.18 %
Feeder Name: Woodville Rd	110 JPEC - Planned	2	7.69 %	3	3.70	1.21 %
Feeder Number: 224	300 Equipment Failure	3	11.54 %	43	110.92	36.37 %
Feeder Location: 28224-Woodville Rd	420 ROW	7	26.92 %	37	132.19	43.34 %
Customer Count: 501	500 Lightning	2	7.69 %	7	7.55	2.48 %
Circuit 5 Year Average (SAIDI): 95.0319	510 Wind - Not Trees	1	3.85 %	6	15.15	4.97 %
Reporting Year (SAIDI): 15.8359	690 Animal	7	26.92 %	18	16.73	5.49 %
Circuit 5 Year Average (SAIFI): 1.2048	700 Member/Public Caused	1	3.85 %	4	7.68	2.52 %
Reporting Year (SAIFI): 1.0083	999 Cause unknown	1	3.85 %	6	7.47	2.45 %
Total Circuit Length: 56.3						
Date of Last Circuit Trim: 2024						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total	
Substation Name: KEVIL	110	JPEC - Planned	1	6.25 %	2	1.31	0.09 %
Feeder Name: Kelley Rd	300	Equipment Failure	4	25.00 %	456	782.11	56.18 %
Feeder Number: 234	420	ROW	5	31.25 %	194	347.12	24.93 %
Feeder Location: 28234-Kelley Rd	500	Lightning	1	6.25 %	21	185.79	13.35 %
Customer Count: 429	690	Animal	3	18.75 %	29	28.15	2.02 %
Circuit 5 Year Average (SAIDI): 84.3461	700	Member/Public Caused	2	12.50 %	81	47.67	3.42 %
Reporting Year (SAIDI): 109.3004							
Circuit 5 Year Average (SAIFI): 1.1613							
Reporting Year (SAIFI): 1.0621							
Total Circuit Length: 48.0							
Date of Last Circuit Trim: 2016							
Corrective Action Plan:							

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total	
Substation Name: KREBS STATION RD	100	Contractor - Planned	37	58.73 %	66	167.29	3.00 %
Feeder Name: Browns Plating	110	JPEC - Planned	2	3.17 %	9	6.84	0.12 %
Feeder Number: 214	300	Equipment Failure	4	6.35 %	25	13.13	0.24 %
Feeder Location: 50214-Browns Plati	420	ROW	14	22.22 %	2039	4613.42	82.71 %
Customer Count: 526	510	Wind - Not Trees	1	1.59 %	89	769.01	13.79 %
Circuit 5 Year Average (SAIDI): 272.5157	690	Animal	4	6.35 %	8	5.76	0.10 %
Reporting Year (SAIDI): 526.1532	810	Load	1	1.59 %	4	2.25	0.04 %
Circuit 5 Year Average (SAIFI): 2.2361							
Reporting Year (SAIFI): 3.8758							
Total Circuit Length: 37.2							
Date of Last Circuit Trim: 2016							
Corrective Action Plan:							

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: KREBS STATION RD	100 Contractor - Planned	5	8.77 %	11	38.01	0.53 %
Feeder Name: Old US 45	110 JPEC - Planned	6	10.53 %	12	17.57	0.25 %
Feeder Number: 224	300 Equipment Failure	9	15.79 %	81	162.53	2.27 %
Feeder Location: 50224-Old US 45	420 ROW	18	31.58 %	807	4561.39	63.77 %
Customer Count: 911	500 Lightning	5	8.77 %	60	189.68	2.65 %
Circuit 5 Year Average (SAIDI): 247.9053	510 Wind - Not Trees	1	1.75 %	742	1965.89	27.49 %
Reporting Year (SAIDI) 300.5686	690 Animal	9	15.79 %	35	32.59	0.46 %
Circuit 5 Year Average (SAIFI): 1.7466	700 Member/Public Caused	2	3.51 %	2	2.53	0.04 %
Reporting Year (SAIFI): 0.8863	999 Cause unknown	2	3.51 %	17	182.13	2.55 %
Total Circuit Length: 83.1						
Date of Last Circuit Trim: 2024						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: KREBS STATION RD	100 Contractor - Planned	23	54.76 %	51	102.66	4.24 %
Feeder Name: New Hope	300 Equipment Failure	2	4.76 %	29	44.09	1.82 %
Feeder Number: 234	420 ROW	7	16.67 %	505	2203.10	90.98 %
Feeder Location: 50234-New Hope	500 Lightning	5	11.90 %	22	48.72	2.01 %
Customer Count: 485	690 Animal	5	11.90 %	27	22.89	0.95 %
Circuit 5 Year Average (SAIDI): 149.2708						
Reporting Year (SAIDI) 272.3857						
Circuit 5 Year Average (SAIFI): 1.7429						
Reporting Year (SAIFI): 1.0406						
Total Circuit Length: 36.3						
Date of Last Circuit Trim: 2021						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: KREBS STATION RD	000 No Cause Selected	1	5.56 %	229	183.26	57.36 %
Feeder Name: Clinton Rd	100 Contractor - Planned	8	44.44 %	25	57.44	17.98 %
Feeder Number: 244	110 JPEC - Planned	1	5.56 %	1	0.51	0.16 %
Feeder Location: 50244- Clinton Rd	300 Equipment Failure	2	11.11 %	46	60.67	18.99 %
Customer Count: 272	420 ROW	1	5.56 %	13	9.36	2.93 %
Circuit 5 Year Average (SAIDI): 47.9980	690 Animal	3	16.67 %	16	6.66	2.08 %
Reporting Year (SAIDI): 40.4080	700 Member/Public Caused	1	5.56 %	1	0.75	0.23 %
Circuit 5 Year Average (SAIFI): 0.6674	999 Cause unknown	1	5.56 %	1	0.83	0.26 %
Reporting Year (SAIFI): 0.8415						
Total Circuit Length: 19.7						
Date of Last Circuit Trim: 2021						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: LaCENTER	100 Contractor - Planned	6	17.65 %	13	46.75	2.42 %
Feeder Name: Damrons	300 Equipment Failure	3	8.82 %	10	16.26	0.84 %
Feeder Number: 214	420 ROW	14	41.18 %	432	1402.96	72.56 %
Feeder Location: 26214-Damrons	500 Lightning	6	17.65 %	115	261.24	13.51 %
Customer Count: 225	690 Animal	3	8.82 %	4	4.79	0.25 %
Circuit 5 Year Average (SAIDI): 237.9132	700 Member/Public Caused	1	2.94 %	31	26.55	1.37 %
Reporting Year (SAIDI): 373.5733	999 Cause unknown	1	2.94 %	110	174.93	9.05 %
Circuit 5 Year Average (SAIFI): 2.5287						
Reporting Year (SAIFI): 1.9172						
Total Circuit Length: 36.5						
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total	
Substation Name: LaCENTER	110	JPEC - Planned	3	8.57 %	94	63.50	3.66 %
Feeder Name: Oscar	300	Equipment Failure	4	11.43 %	40	320.49	18.47 %
Feeder Number: 224	420	ROW	10	28.57 %	390	479.21	27.62 %
Feeder Location: 26224-Oscar	500	Lightning	7	20.00 %	215	791.77	45.63 %
Customer Count: 363	690	Animal	4	11.43 %	7	7.34	0.42 %
Circuit 5 Year Average (SAIDI): 354.8668	700	Member/Public Caused	3	8.57 %	45	65.86	3.80 %
Reporting Year (SAIDI): 130.9454	810	Load	1	2.86 %	2	2.47	0.14 %
Circuit 5 Year Average (SAIFI): 2.8390	999	Cause unknown	3	8.57 %	3	4.66	0.27 %
Reporting Year (SAIFI): 1.0750							
Total Circuit Length: 69.7							
Date of Last Circuit Trim: 2023							
Corrective Action Plan:							

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total	
Substation Name: LEDBETTER	110	JPEC - Planned	3	12.00 %	13	19.02	1.93 %
Feeder Name: US 60 East	300	Equipment Failure	1	4.00 %	2	3.55	0.36 %
Feeder Number: 224	420	ROW	11	44.00 %	157	676.05	68.50 %
Feeder Location: 31224-US 60 East	690	Animal	4	16.00 %	58	23.39	2.37 %
Customer Count: 317	700	Member/Public Caused	1	4.00 %	11	9.74	0.99 %
Circuit 5 Year Average (SAIDI): 93.3363	999	Cause unknown	5	20.00 %	125	255.25	25.86 %
Reporting Year (SAIDI): 127.8842							
Circuit 5 Year Average (SAIFI): 0.8639							
Reporting Year (SAIFI): 0.4950							
Total Circuit Length: 35.7							
Date of Last Circuit Trim: 2016							
Corrective Action Plan:							

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: LEDBETTER	420 ROW	1	100.00 %	3	1.75	100.00 %
Feeder Name: River Crossing						
Feeder Number: 234						
Feeder Location: 31234-River Crossin						
Customer Count: 37						
Circuit 5 Year Average (SAIDI): 49.6350						
Reporting Year (SAIDI) 2.8496						
Circuit 5 Year Average (SAIFI): 1.0806						
Reporting Year (SAIFI): 0.0815						
Total Circuit Length: 5.2						
Date of Last Circuit Trim: 2016						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: LEDBETTER	100 Contractor - Planned	13	19.70 %	42	68.42	2.60 %
Feeder Name: Ledbetter	110 JPEC - Planned	4	6.06 %	7	21.43	0.81 %
Feeder Number: 244	300 Equipment Failure	7	10.61 %	68	133.53	5.07 %
Feeder Location: 31244-Ledbetter	420 ROW	9	13.64 %	92	357.25	13.55 %
Customer Count: 1,035	500 Lightning	5	7.58 %	48	63.25	2.40 %
Circuit 5 Year Average (SAIDI): 97.6597	690 Animal	15	22.73 %	66	63.40	2.41 %
Reporting Year (SAIDI) 108.4961	700 Member/Public Caused	7	10.61 %	1595	1871.86	71.01 %
Circuit 5 Year Average (SAIFI): 0.9541	810 Load	3	4.55 %	6	5.73	0.22 %
Reporting Year (SAIFI): 1.5408	999 Cause unknown	3	4.55 %	113	51.25	1.94 %
Total Circuit Length: 62.2						
Date of Last Circuit Trim: 2022						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total	
Substation Name: LITTLE UNION	110	JPEC - Planned	3	15.79 %	571	137.32	62.42 %
Feeder Name: Airport	300	Equipment Failure	2	10.53 %	4	10.99	5.00 %
Feeder Number: 214	420	ROW	5	26.32 %	12	12.39	5.63 %
Feeder Location: 39214-Airport	500	Lightning	1	5.26 %	2	1.21	0.55 %
Customer Count: 566	690	Animal	6	31.58 %	75	53.33	24.24 %
Circuit 5 Year Average (SAIDI): 147.6674	700	Member/Public Caused	1	5.26 %	2	1.73	0.79 %
Reporting Year (SAIDI): 14.5447	810	Load	1	5.26 %	3	3.04	1.38 %
Circuit 5 Year Average (SAIFI): 1.6510							
Reporting Year (SAIFI): 1.0081							
Total Circuit Length: 36.1							
Date of Last Circuit Trim: 2017							
Corrective Action Plan:							

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total	
Substation Name: LITTLE UNION	110	JPEC - Planned	6	35.29 %	23	15.84	6.50 %
Feeder Name: US 60 West	300	Equipment Failure	4	23.53 %	42	90.43	37.08 %
Feeder Number: 224	420	ROW	1	5.88 %	3	0.85	0.35 %
Feeder Location: 39224-US 60 West	690	Animal	4	23.53 %	191	134.41	55.12 %
Customer Count: 472	700	Member/Public Caused	1	5.88 %	1	0.27	0.11 %
Circuit 5 Year Average (SAIDI): 217.9094	999	Cause unknown	1	5.88 %	3	2.05	0.84 %
Reporting Year (SAIDI): 17.0744							
Circuit 5 Year Average (SAIFI): 2.0102							
Reporting Year (SAIFI): 0.4044							
Total Circuit Length: 37.2							
Date of Last Circuit Trim: 2022							
Corrective Action Plan:							

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: LITTLE UNION	110 JPEC - Planned	1	16.67 %	1	0.45	0.85 %
Feeder Name: US 60 East Mall	300 Equipment Failure	2	33.33 %	4	5.30	10.02 %
Feeder Number: 234	420 ROW	2	33.33 %	44	46.72	88.28 %
Feeder Location: 39234-US 60 East M	690 Animal	1	16.67 %	1	0.45	0.85 %
Customer Count: 163						
Circuit 5 Year Average (SAIDI): 22.2463						
Reporting Year (SAIDI) 17.2342						
Circuit 5 Year Average (SAIFI): 0.3124						
Reporting Year (SAIFI): 0.2706						
Total Circuit Length: 10.6						
Date of Last Circuit Trim: 2017						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: LITTLE UNION	300 Equipment Failure	1	6.67 %	1	0.79	0.05 %
Feeder Name: Roy Lee Rd	420 ROW	5	33.33 %	185	1237.18	82.53 %
Feeder Number: 244	500 Lightning	1	6.67 %	1	0.95	0.06 %
Feeder Location: 39244-Roy Lee Rd	690 Animal	4	26.67 %	39	51.45	3.43 %
Customer Count: 528	700 Member/Public Caused	2	13.33 %	2	6.15	0.41 %
Circuit 5 Year Average (SAIDI): 141.7914	999 Cause unknown	2	13.33 %	129	202.54	13.51 %
Reporting Year (SAIDI) 140.6334						
Circuit 5 Year Average (SAIFI): 1.7184						
Reporting Year (SAIFI): 0.3505						
Total Circuit Length: 56.7						
Date of Last Circuit Trim: 2022						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total	
Substation Name: LOVELACEVILLE	110	JPEC - Planned	1	11.11 %	1	0.75	0.26 %
Feeder Name: Blandville	300	Equipment Failure	1	11.11 %	8	11.56	3.94 %
Feeder Number: 214	420	ROW	3	33.33 %	86	237.85	81.08 %
Feeder Location: 49214-Blandville	500	Lightning	2	22.22 %	8	36.90	12.58 %
Customer Count: 132	690	Animal	1	11.11 %	8	5.45	1.86 %
Circuit 5 Year Average (SAIDI): 177.5856	999	Cause unknown	1	11.11 %	1	0.86	0.29 %
Reporting Year (SAIDI) 108.3414							
Circuit 5 Year Average (SAIFI): 1.1403							
Reporting Year (SAIFI): 0.6529							
Total Circuit Length: 20.3							
Date of Last Circuit Trim: 2015							
Corrective Action Plan:							

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total	
Substation Name: LOVELACEVILLE	100	Contractor - Planned	3	13.04 %	3	6.44	0.51 %
Feeder Name: Lovelaceville	300	Equipment Failure	3	13.04 %	9	48.88	3.84 %
Feeder Number: 224	420	ROW	10	43.48 %	184	1174.63	92.20 %
Feeder Location: 49224-Lovelaceville	500	Lightning	1	4.35 %	1	2.29	0.18 %
Customer Count: 527	690	Animal	1	4.35 %	1	0.75	0.06 %
Circuit 5 Year Average (SAIDI): 81.8538	700	Member/Public Caused	2	8.70 %	12	15.88	1.25 %
Reporting Year (SAIDI) 133.7508	999	Cause unknown	3	13.04 %	31	25.14	1.97 %
Circuit 5 Year Average (SAIFI): 0.9014							
Reporting Year (SAIFI): 0.3492							
Total Circuit Length: 58.7							
Date of Last Circuit Trim: 2015							
Corrective Action Plan:							

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: LOVELACEVILLE	100 Contractor - Planned	11	28.21 %	15	21.87	2.13 %
Feeder Name: Cunningham	300 Equipment Failure	6	15.38 %	37	19.63	1.91 %
Feeder Number: 234	320 Clearance	1	2.56 %	1	0.94	0.09 %
Feeder Location: 49234-Cunningham	420 ROW	4	10.26 %	137	532.06	51.85 %
Customer Count: 527	500 Lightning	1	2.56 %	31	39.60	3.86 %
Circuit 5 Year Average (SAIDI): 146.2476	510 Wind - Not Trees	2	5.13 %	16	23.19	2.26 %
Reporting Year (SAIDI): 60.5205	690 Animal	8	20.51 %	311	323.53	31.53 %
Circuit 5 Year Average (SAIFI): 1.5166	700 Member/Public Caused	3	7.69 %	10	16.16	1.57 %
Reporting Year (SAIFI): 0.5896	710 Motor Vehicle	1	2.56 %	33	40.97	3.99 %
Total Circuit Length: 65.9	999 Cause unknown	2	5.13 %	3	8.23	0.80 %
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: MAXON	110 JPEC - Planned	3	60.00 %	36	45.16	92.65 %
Feeder Name: Maxon Rd	300 Equipment Failure	1	20.00 %	3	2.09	4.29 %
Feeder Number: 214	690 Animal	1	20.00 %	1	1.49	3.06 %
Feeder Location: 79214-Maxon Rd						
Customer Count: 261						
Circuit 5 Year Average (SAIDI): 82.2723						
Reporting Year (SAIDI): 10.3871						
Circuit 5 Year Average (SAIFI): 1.1793						
Reporting Year (SAIFI): 0.1380						
Total Circuit Length: 16.4						
Date of Last Circuit Trim: 2023						
Corrective Action Plan:						

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: MAXON	300 Equipment Failure	2	25.00 %	333	150.47	37.88 %
Feeder Name: Express	420 ROW	2	25.00 %	12	15.24	3.84 %
Feeder Number: 224	500 Lightning	1	12.50 %	331	185.91	46.80 %
Feeder Location: 79224-Express	690 Animal	1	12.50 %	1	0.62	0.16 %
Customer Count: 380	700 Member/Public Caused	1	12.50 %	34	13.10	3.30 %
Circuit 5 Year Average (SAIDI): 143.5234	999 Cause unknown	1	12.50 %	31	31.94	8.04 %
Reporting Year (SAIDI): 29.3537						
Circuit 5 Year Average (SAIFI): 1.6552						
Reporting Year (SAIFI): 0.8763						
Total Circuit Length: 19.0						
Date of Last Circuit Trim: 2023						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: MAXON	None None	0	0.00 %	0	0.00	0.00 %
Feeder Name: Industrial Park						
Feeder Number: 234						
Feeder Location: 79234-Industrial Par						
Customer Count: 4						
Circuit 5 Year Average (SAIDI): 36.6652						
Reporting Year (SAIDI): 0.0000						
Circuit 5 Year Average (SAIFI): 0.5405						
Reporting Year (SAIFI): 0.0000						
Total Circuit Length: 2.0						
Date of Last Circuit Trim: 2017						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total	
Substation Name: NEW YORK	110	JPEC - Planned	1	7.69 %	3	2.72	0.50 %
Feeder Name: Hinkleville	300	Equipment Failure	1	7.69 %	2	1.51	0.28 %
Feeder Number: 214	420	ROW	6	46.15 %	93	322.48	59.39 %
Feeder Location: 47214-Hinkleville	500	Lightning	1	7.69 %	2	1.55	0.29 %
Customer Count: 266	690	Animal	1	7.69 %	1	1.52	0.28 %
Circuit 5 Year Average (SAIDI): 213.9267	700	Member/Public Caused	1	7.69 %	266	208.66	38.43 %
Reporting Year (SAIDI): 72.6215	999	Cause unknown	2	15.38 %	2	4.53	0.83 %
Circuit 5 Year Average (SAIFI): 2.0388							
Reporting Year (SAIFI): 0.9984							
Total Circuit Length: 47.6							
Date of Last Circuit Trim: 2022							
Corrective Action Plan:							

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total	
Substation Name: NEW YORK	100	Contractor - Planned	2	10.53 %	3	3.51	2.91 %
Feeder Name: US 286 East Gage	110	JPEC - Planned	3	15.79 %	6	15.35	12.73 %
Feeder Number: 224	300	Equipment Failure	3	15.79 %	5	7.30	6.06 %
Feeder Location: 47224-US 286 East	420	ROW	1	5.26 %	33	53.20	44.13 %
Customer Count: 266	500	Lightning	3	15.79 %	10	16.77	13.91 %
Circuit 5 Year Average (SAIDI): 213.4303	690	Animal	5	26.32 %	16	21.47	17.81 %
Reporting Year (SAIDI): 12.0206	700	Member/Public Caused	1	5.26 %	3	2.54	2.11 %
Circuit 5 Year Average (SAIFI): 1.3473	810	Load	1	5.26 %	1	0.40	0.33 %
Reporting Year (SAIFI): 0.1243							
Total Circuit Length: 45.5							
Date of Last Circuit Trim: 2015							
Corrective Action Plan:							

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: NEW YORK	420 ROW	10	58.82 %	358	3039.62	98.42 %
Feeder Name: Blandville	690 Animal	5	29.41 %	9	11.01	0.36 %
Feeder Number: 234	700 Member/Public Caused	1	5.88 %	16	27.22	0.88 %
Feeder Location: 47234-Blandville	999 Cause unknown	1	5.88 %	7	10.71	0.35 %
Customer Count: 219						
Circuit 5 Year Average (SAIDI): 606.5633						
Reporting Year (SAIDI) 832.1277						
Circuit 5 Year Average (SAIFI): 3.7980						
Reporting Year (SAIFI): 1.6334						
Total Circuit Length: 30.2						
Date of Last Circuit Trim: 2022						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: NEW YORK	110 JPEC - Planned	1	3.85 %	20	2.16	0.18 %
Feeder Name: Wickliffe	300 Equipment Failure	1	3.85 %	7	13.12	1.08 %
Feeder Number: 244	420 ROW	12	46.15 %	185	960.99	78.95 %
Feeder Location: 47244-Wickliffe	500 Lightning	3	11.54 %	26	141.61	11.63 %
Customer Count: 354	690 Animal	5	19.23 %	57	56.31	4.63 %
Circuit 5 Year Average (SAIDI): 321.2182	700 Member/Public Caused	1	3.85 %	1	2.17	0.18 %
Reporting Year (SAIDI) 162.7225	999 Cause unknown	3	11.54 %	20	40.85	3.36 %
Circuit 5 Year Average (SAIFI): 2.4728						
Reporting Year (SAIFI): 1.0216						
Total Circuit Length: 49.2						
Date of Last Circuit Trim: 2021						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: NEW YORK	100 Contractor - Planned	1	2.33 %	2	1.57	0.04 %
Feeder Name: Slater	110 JPEC - Planned	9	20.93 %	150	625.34	15.06 %
Feeder Number: 254	300 Equipment Failure	5	11.63 %	31	177.40	4.27 %
Feeder Location: 47254-Slater	420 ROW	12	27.91 %	778	3148.69	75.81 %
Customer Count: 360	500 Lightning	7	16.28 %	15	55.78	1.34 %
Circuit 5 Year Average (SAIDI): 371.0381	690 Animal	4	9.30 %	35	86.56	2.08 %
Reporting Year (SAIDI): 525.4667	700 Member/Public Caused	1	2.33 %	2	1.89	0.05 %
Circuit 5 Year Average (SAIFI): 2.8365	810 Load	1	2.33 %	26	50.92	1.23 %
Reporting Year (SAIFI): 2.1639	999 Cause unknown	3	6.98 %	3	5.03	0.12 %
Total Circuit Length: 68.5						
Date of Last Circuit Trim: 2023						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: OLIVET CHURCH R	500 Lightning	1	50.00 %	2	0.81	35.06 %
Feeder Name: Olivet Ch Rd	690 Animal	1	50.00 %	2	1.50	64.94 %
Feeder Number: 214						
Feeder Location: 74214-Olivet Ch Rd						
Customer Count: 593						
Circuit 5 Year Average (SAIDI): 66.3663						
Reporting Year (SAIDI): 0.1517						
Circuit 5 Year Average (SAIFI): 1.4010						
Reporting Year (SAIFI): 0.0034						
Total Circuit Length: 24.1						
Date of Last Circuit Trim: 2022						
Corrective Action Plan:						

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>	
Substation Name: OLIVET CHURCH R	110	JPEC - Planned	2	11.76 %	3	1.50	0.22 %
Feeder Name: Highland Ch Rd	300	Equipment Failure	3	17.65 %	90	168.78	24.90 %
Feeder Number: 224	420	ROW	6	35.29 %	239	493.46	72.80 %
Feeder Location: 74224-Highland Ch	690	Animal	5	29.41 %	17	12.74	1.88 %
Customer Count: 479	999	Cause unknown	1	5.88 %	2	1.39	0.21 %
Circuit 5 Year Average (SAIDI): 158.3245							
Reporting Year (SAIDI): 61.7945							
Circuit 5 Year Average (SAIFI): 1.8171							
Reporting Year (SAIFI): 0.4988							
Total Circuit Length: 33.2							
Date of Last Circuit Trim: 2015							
Corrective Action Plan:							

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>	
Substation Name: OLIVET CHURCH R	300	Equipment Failure	1	50.00 %	1	9.61	26.95 %
Feeder Name: Info Age Park	690	Animal	1	50.00 %	8	26.05	73.05 %
Feeder Number: 234							
Feeder Location: 74234-Info Age Par							
Customer Count: 8							
Circuit 5 Year Average (SAIDI): 152.7175							
Reporting Year (SAIDI): 195.3500							
Circuit 5 Year Average (SAIFI): 1.1000							
Reporting Year (SAIFI): 1.0000							
Total Circuit Length: 2.1							
Date of Last Circuit Trim: 2015							
Corrective Action Plan:							

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: PALMA	100 Contractor - Planned	1	6.67 %	1	2.11	0.13 %
Feeder Name: Hwy 95	300 Equipment Failure	1	6.67 %	369	1267.93	76.16 %
Feeder Number: 214	420 ROW	9	60.00 %	129	349.66	21.00 %
Feeder Location: 54214-Hwy 95	690 Animal	3	20.00 %	14	9.27	0.56 %
Customer Count: 369	999 Cause unknown	1	6.67 %	46	35.84	2.15 %
Circuit 5 Year Average (SAIDI): 231.4267						
Reporting Year (SAIDI) 206.3064						
Circuit 5 Year Average (SAIFI): 1.8034						
Reporting Year (SAIFI): 1.0007						
Total Circuit Length: 30.0						
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: PALMA	100 Contractor - Planned	1	14.29 %	1	2.72	1.30 %
Feeder Name: Draffenville	110 JPEC - Planned	2	28.57 %	4	11.56	5.53 %
Feeder Number: 224	420 ROW	1	14.29 %	11	13.35	6.38 %
Feeder Location: 54224-Draffenville	500 Lightning	1	14.29 %	25	178.44	85.33 %
Customer Count: 301	690 Animal	1	14.29 %	1	0.81	0.39 %
Circuit 5 Year Average (SAIDI): 152.2668	700 Member/Public Caused	1	14.29 %	1	2.24	1.07 %
Reporting Year (SAIDI) 35.5359						
Circuit 5 Year Average (SAIFI): 1.6277						
Reporting Year (SAIFI): 0.0830						
Total Circuit Length: 21.7						
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: PALMA	100 Contractor - Planned	1	2.38 %	1	4.50	0.52 %
Feeder Name: Palma	110 JPEC - Planned	5	11.90 %	51	61.20	7.02 %
Feeder Number: 234	300 Equipment Failure	3	7.14 %	24	31.56	3.62 %
Feeder Location: 54234-Palma	420 ROW	10	23.81 %	135	475.75	54.59 %
Customer Count: 747	500 Lightning	3	7.14 %	63	115.00	13.20 %
Circuit 5 Year Average (SAIDI): 129.7599	690 Animal	16	38.10 %	146	153.02	17.56 %
Reporting Year (SAIDI): 38.1972	700 Member/Public Caused	1	2.38 %	3	5.02	0.58 %
Circuit 5 Year Average (SAIFI): 1.7185	999 Cause unknown	3	7.14 %	20	25.48	2.92 %
Reporting Year (SAIFI): 0.1954						
Total Circuit Length: 57.5						
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: POSSUM TROT	100 Contractor - Planned	1	3.33 %	4	5.86	0.19 %
Feeder Name: Possum Trot	300 Equipment Failure	7	23.33 %	23	27.46	0.88 %
Feeder Number: 224	420 ROW	9	30.00 %	74	170.97	5.49 %
Feeder Location: 78224-Possum Trot	500 Lightning	3	10.00 %	626	2857.30	91.83 %
Customer Count: 545	690 Animal	8	26.67 %	55	42.97	1.38 %
Circuit 5 Year Average (SAIDI): 241.6339	810 Load	1	3.33 %	2	1.43	0.05 %
Reporting Year (SAIDI): 314.6167	999 Cause unknown	1	3.33 %	11	5.54	0.18 %
Circuit 5 Year Average (SAIFI): 2.1853						
Reporting Year (SAIFI): 1.1488						
Total Circuit Length: 42.3						
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: POSSUM TROT	110 JPEC - Planned	1	9.09 %	5	2.16	0.38 %
Feeder Name: Hwy 95	300 Equipment Failure	2	18.18 %	41	89.95	15.67 %
Feeder Number: 234	420 ROW	5	45.45 %	27	48.44	8.44 %
Feeder Location: 78234-Hwy 95	500 Lightning	2	18.18 %	208	432.63	75.39 %
Customer Count: 201	700 Member/Public Caused	1	9.09 %	1	0.68	0.12 %
Circuit 5 Year Average (SAIDI): 150.7558						
Reporting Year (SAIDI) 129.1689						
Circuit 5 Year Average (SAIFI): 1.2420						
Reporting Year (SAIFI): 1.0350						
Total Circuit Length: 15.0						
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: POSSUM TROT	100 Contractor - Planned	1	4.55 %	8	27.84	1.37 %
Feeder Name: Industrial Loop	420 ROW	3	13.64 %	5	7.94	0.39 %
Feeder Number: 254	500 Lightning	3	13.64 %	210	1549.09	76.20 %
Feeder Location: 78254-Industrial Lo	510 Wind - Not Trees	2	9.09 %	2	3.22	0.16 %
Customer Count: 207	690 Animal	10	45.45 %	257	271.49	13.35 %
Circuit 5 Year Average (SAIDI): 298.6945	999 Cause unknown	3	13.64 %	212	173.40	8.53 %
Reporting Year (SAIDI) 449.0104						
Circuit 5 Year Average (SAIFI): 1.6502						
Reporting Year (SAIFI): 1.2415						
Total Circuit Length: 29.3						
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: POSSUM TROT	None None	0	0.00 %	0	0.00	0.00 %
Feeder Name: CoalTek						
Feeder Number: 264						
Feeder Location: 78264-CoalTek						
Customer Count: 2						
Circuit 5 Year Average (SAIDI): 6.6133						
Reporting Year (SAIDI) 0.0000						
Circuit 5 Year Average (SAIFI): 0.2000						
Reporting Year (SAIFI): 0.0000						
Total Circuit Length: 3.9						
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: RAGLAND	420 ROW	9	42.86 %	56	166.80	14.02 %
Feeder Name: Monkeys Eyebrow	500 Lightning	2	9.52 %	250	351.70	29.56 %
Feeder Number: 214	510 Wind - Not Trees	1	4.76 %	1	5.38	0.45 %
Feeder Location: 19214-Monkeys Eye	690 Animal	1	4.76 %	8	6.08	0.51 %
Customer Count: 237	700 Member/Public Caused	2	9.52 %	8	13.77	1.16 %
Circuit 5 Year Average (SAIDI): 249.9146	810 Load	1	4.76 %	1	1.33	0.11 %
Reporting Year (SAIDI) 162.9669	999 Cause unknown	5	23.81 %	258	644.56	54.18 %
Circuit 5 Year Average (SAIFI): 1.8963						
Reporting Year (SAIFI): 1.0872						
Total Circuit Length: 50.1						
Date of Last Circuit Trim: 2022						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: RAGLAND	300 Equipment Failure	4	30.77 %	91	159.78	82.84 %
Feeder Name: Ragland	420 ROW	1	7.69 %	7	16.81	8.72 %
Feeder Number: 224	500 Lightning	1	7.69 %	1	1.38	0.72 %
Feeder Location: 19224-Ragland	690 Animal	7	53.85 %	14	14.90	7.73 %
Customer Count: 224						
Circuit 5 Year Average (SAIDI): 157.6869						
Reporting Year (SAIDI) 42.8623						
Circuit 5 Year Average (SAIFI): 1.5800						
Reporting Year (SAIFI): 0.4068						
Total Circuit Length: 33.5						
Date of Last Circuit Trim: 2023						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: REIDLAND	100 Contractor - Planned	3	21.43 %	6	10.32	0.29 %
Feeder Name: Ken Mar Rd	300 Equipment Failure	3	21.43 %	54	180.15	5.06 %
Feeder Number: 214	420 ROW	2	14.29 %	358	3360.18	94.41 %
Feeder Location: 41214-Ken Mar Rd	500 Lightning	1	7.14 %	2	2.46	0.07 %
Customer Count: 344	690 Animal	5	35.71 %	9	5.98	0.17 %
Circuit 5 Year Average (SAIDI): 405.3965						
Reporting Year (SAIDI) 586.6413						
Circuit 5 Year Average (SAIFI): 1.6225						
Reporting Year (SAIFI): 1.0417						
Total Circuit Length: 20.2						
Date of Last Circuit Trim: 2022						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: REIDLAND	100 Contractor - Planned	2	40.00 %	11	24.29	22.41 %
Feeder Name: Reidland Water	420 ROW	1	20.00 %	7	70.93	65.45 %
Feeder Number: 224	690 Animal	2	40.00 %	6	13.16	12.14 %
Feeder Location: 41224-Reidland Wat						
Customer Count: 50						
Circuit 5 Year Average (SAIDI): 179.7304						
Reporting Year (SAIDI) 84.7809						
Circuit 5 Year Average (SAIFI): 0.9124						
Reporting Year (SAIFI): 0.2191						
Total Circuit Length: 2.9						
Date of Last Circuit Trim: 2017						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: REIDLAND	100 Contractor - Planned	3	25.00 %	4	11.15	2.01 %
Feeder Name: Epperson Rd	300 Equipment Failure	2	16.67 %	195	57.44	10.34 %
Feeder Number: 234	420 ROW	4	33.33 %	398	477.18	85.88 %
Feeder Location: 41234-Epperson Rd	690 Animal	3	25.00 %	13	9.85	1.77 %
Customer Count: 196						
Circuit 5 Year Average (SAIDI): 220.0632						
Reporting Year (SAIDI) 145.8695						
Circuit 5 Year Average (SAIFI): 1.7638						
Reporting Year (SAIFI): 2.0277						
Total Circuit Length: 11.6						
Date of Last Circuit Trim: 2017						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: REIDLAND	100 Contractor - Planned	1	11.11 %	3	3.10	1.33 %
Feeder Name: Walker Boat Yard	110 JPEC - Planned	2	22.22 %	94	16.45	7.06 %
Feeder Number: 244	300 Equipment Failure	1	11.11 %	2	2.93	1.26 %
Feeder Location: 41244-Walker Boat	420 ROW	4	44.44 %	191	205.61	88.27 %
Customer Count: 97	999 Cause unknown	1	11.11 %	4	4.84	2.08 %
Circuit 5 Year Average (SAIDI): 335.0221						
Reporting Year (SAIDI) 126.5280						
Circuit 5 Year Average (SAIFI): 1.4851						
Reporting Year (SAIFI): 1.9590						
Total Circuit Length: 10.9						
Date of Last Circuit Trim: 2017						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: SMITHLAND	100 Contractor - Planned	3	23.08 %	6	9.14	3.33 %
Feeder Name: Smithland	420 ROW	7	53.85 %	45	255.90	93.35 %
Feeder Number: 214	500 Lightning	1	7.69 %	1	0.54	0.20 %
Feeder Location: 32214-Smithland	999 Cause unknown	2	15.38 %	8	8.56	3.12 %
Customer Count: 382						
Circuit 5 Year Average (SAIDI): 52.8318						
Reporting Year (SAIDI) 40.2196						
Circuit 5 Year Average (SAIFI): 0.3143						
Reporting Year (SAIFI): 0.1179						
Total Circuit Length: 30.2						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: SMITHLAND	100 Contractor - Planned	2	2.99 %	9	39.93	0.67 %
Feeder Name: Tiline	110 JPEC - Planned	5	7.46 %	8	11.86	0.20 %
Feeder Number: 224	300 Equipment Failure	5	7.46 %	80	646.90	10.82 %
Feeder Location: 32224-Tiline	420 ROW	27	40.30 %	2109	4915.44	82.19 %
Customer Count: 558	500 Lightning	4	5.97 %	5	9.37	0.16 %
Circuit 5 Year Average (SAIDI): 314.0088	510 Wind - Not Trees	1	1.49 %	1	1.45	0.02 %
Reporting Year (SAIDI): 528.4345	690 Animal	10	14.93 %	12	16.81	0.28 %
Circuit 5 Year Average (SAIFI): 1.9455	700 Member/Public Caused	2	2.99 %	44	47.91	0.80 %
Reporting Year (SAIFI): 3.7788	810 Load	1	1.49 %	13	10.47	0.18 %
Total Circuit Length: 107.3	999 Cause unknown	10	14.93 %	126	280.80	4.69 %
Date of Last Circuit Trim: 2024						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: SMITHLAND	110 JPEC - Planned	2	8.33 %	2	3.55	1.38 %
Feeder Name: Mitchell Store	300 Equipment Failure	2	8.33 %	2	2.54	0.99 %
Feeder Number: 244	420 ROW	5	20.83 %	43	149.21	57.91 %
Feeder Location: 32244-Mitchell Stor	500 Lightning	4	16.67 %	9	20.33	7.89 %
Customer Count: 386	690 Animal	9	37.50 %	61	73.28	28.44 %
Circuit 5 Year Average (SAIDI): 80.4095	999 Cause unknown	2	8.33 %	5	8.73	3.39 %
Reporting Year (SAIDI): 23.1843						
Circuit 5 Year Average (SAIFI): 0.9515						
Reporting Year (SAIFI): 0.1580						
Total Circuit Length: 58.1						
Date of Last Circuit Trim: 2019						
Corrective Action Plan:						

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: STRAWBERRY HILL	110 JPEC - Planned	4	14.29 %	108	158.40	4.21 %
Feeder Name: Hansen Rd	300 Equipment Failure	2	7.14 %	14	59.25	1.58 %
Feeder Number: 224	420 ROW	11	39.29 %	488	3458.44	91.95 %
Feeder Location: 77224-Hansen Rd	690 Animal	6	21.43 %	81	63.80	1.70 %
Customer Count: 731	700 Member/Public Caused	1	3.57 %	4	11.16	0.30 %
Circuit 5 Year Average (SAIDI): 142.6357	810 Load	1	3.57 %	3	2.14	0.06 %
Reporting Year (SAIDI): 283.9176	999 Cause unknown	3	10.71 %	5	8.10	0.22 %
Circuit 5 Year Average (SAIFI): 1.0122						
Reporting Year (SAIFI): 0.6677						
Total Circuit Length: 31.6						
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: STRAWBERRY HILL	110 JPEC - Planned	2	100.00 %	3	2.46	100.00 %
Feeder Name: Walmart						
Feeder Number: 234						
Feeder Location: 77234-Walmart						
Customer Count: 538						
Circuit 5 Year Average (SAIDI): 10.1469						
Reporting Year (SAIDI): 0.2743						
Circuit 5 Year Average (SAIFI): 0.2589						
Reporting Year (SAIFI): 0.0056						
Total Circuit Length: 9.2						
Date of Last Circuit Trim: 2015						
Corrective Action Plan:						

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Substation Name: STRAWBERRY HILL
Feeder Name: CSI
Feeder Number: 254
Feeder Location: 77254-CSI
Customer Count: 102
Circuit 5 Year Average (SAIDI): 1.0694
Reporting Year (SAIDI) 0.0000
Circuit 5 Year Average (SAIFI): 0.1753
Reporting Year (SAIFI): 0.0000
Total Circuit Length: 5.9
Date of Last Circuit Trim: 2015
Corrective Action Plan:

Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
None None	0	0.00 %	0	0.00	0.00 %

Substation Name: STRAWBERRY HILL
Feeder Name: Hwy 60
Feeder Number: 264
Feeder Location: 77264-Hwy 60
Customer Count: 13
Circuit 5 Year Average (SAIDI): 0.5116
Reporting Year (SAIDI) 0.0000
Circuit 5 Year Average (SAIFI): 0.1705
Reporting Year (SAIFI): 0.0000
Total Circuit Length: 1.8
Date of Last Circuit Trim: 2015
Corrective Action Plan:

Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
None None	0	0.00 %	0	0.00	0.00 %

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	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: VULCAN	110 JPEC - Planned	1	100.00 %	0	0.00	0.00 %
Feeder Name: Vulcan Pit						
Feeder Number: 224						
Feeder Location: 45224-Vulcan Pit						
Customer Count: 0						
Circuit 5 Year Average (SAIDI): 0.0000						
Reporting Year (SAIDI) 0.0000						
Circuit 5 Year Average (SAIFI): 0.0000						
Reporting Year (SAIFI): 0.0000						
Total Circuit Length: 2.4						
Date of Last Circuit Trim:						
Corrective Action Plan:						

	<u>Cause Code/ Description</u>	<u>Nbr Outages</u>	<u>% of Total</u>	<u>Nbr Cons Out</u>	<u>Cons Hrs</u>	<u>% of Total</u>
Substation Name: VULCAN	110 JPEC - Planned	1	100.00 %	1	1.31	100.00 %
Feeder Name: Vulcan 1 Rock Crusher						
Feeder Number: 234						
Feeder Location: 45234-Vulcan 1 Roc						
Customer Count: 1						
Circuit 5 Year Average (SAIDI): 180.0800						
Reporting Year (SAIDI) 78.5333						
Circuit 5 Year Average (SAIFI): 1.6000						
Reporting Year (SAIFI): 1.0000						
Total Circuit Length: 1.3						
Date of Last Circuit Trim:						
Corrective Action Plan:						

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	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: VULCAN	110 JPEC - Planned	1	12.50 %	1	1.13	0.39 %
Feeder Name: Kinder Morgan	300 Equipment Failure	1	12.50 %	36	114.32	39.34 %
Feeder Number: 244	420 ROW	3	37.50 %	38	52.63	18.11 %
Feeder Location: 45244-Kinder Morg	690 Animal	3	37.50 %	73	122.49	42.16 %
Customer Count: 35						
Circuit 5 Year Average (SAIDI): 1251.0666						
Reporting Year (SAIDI) 210.7110						
Circuit 5 Year Average (SAIFI): 11.8865						
Reporting Year (SAIFI): 2.0929						
Total Circuit Length: 6.9						
Date of Last Circuit Trim:						
Corrective Action Plan:						

	Cause Code/ Description	Nbr Outages	% of Total	Nbr Cons Out	Cons Hrs	% of Total
Substation Name: VULCAN	110 JPEC - Planned	1	12.50 %	1	1.34	24.06 %
Feeder Name: Vulcan 2 Hwy 62	300 Equipment Failure	1	12.50 %	0	0.00	0.00 %
Feeder Number: 254	690 Animal	3	37.50 %	2	4.23	75.94 %
Feeder Location: 45254-Vulcan 2 Hw	700 Member/Public Caused	1	12.50 %	0	0.00	0.00 %
Customer Count: 2	810 Load	1	12.50 %	0	0.00	0.00 %
Circuit 5 Year Average (SAIDI): 308.9921	999 Cause unknown	1	12.50 %	0	0.00	0.00 %
Reporting Year (SAIDI) 150.2959						
Circuit 5 Year Average (SAIFI): 2.0118						
Reporting Year (SAIFI): 1.1834						
Total Circuit Length: 5.0						
Date of Last Circuit Trim:						
Corrective Action Plan:						

Total Customer Hrs Off:	159978.95
Total Customers Affected:	47080
Total Outage Count:	1979