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May 2, 2022

Ms. Linda Bridwell, Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40602

RE: Case No. 2011-00450

Dear Ms. Bridwell:

Enclosed is South Kentucky's Electric Distribution Utility Annual Reliability Reports submitted pursuant to the above referenced case.

Please contact me if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Kevin Newton', written in a cursive style.

Kevin Newton
South Kentucky R.E.C.C.
Chief Operating Officer

KN:mdh

Enclosures

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	South Kentucky RECC
REPORT PREPARED BY	Dakota Brown
E-MAIL ADDRESS OF PREPARER	dakotab@skrecc.com
PHONE NUMBER OF PREPARER	606-875-3262

SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT	2021
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SECTION 3: MAJOR EVENT DAYS (MED)

T_{MED}	43.819
FIRST DATE USED TO DETERMINE T_{MED}	1/1/2021
LAST DATE USED TO DETERMINE T_{MED}	12/31/2021
NUMBER OF MED IN REPORT YEAR	5

NOTE: Per IEEE 1366 T_{MED} 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 INFORMATION AND RESULTS

System-wide Information

TOTAL CUSTOMERS	69477	TOTAL CIRCUITS	142
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	254.73	SAIDI	322.549
SAIFI	2.119	SAIFI	2.574

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	538.297	SAIDI	1419.9734
SAIFI	2.4538	SAIFI	3.6293

Notes:

- 1) All duration indices (SAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of May of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, and T_{MED}

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
3. CIRCUIT NAME AND NUMBER
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
5. TOTAL CIRCUIT LENGTH (MILES)
6. CUSTOMER COUNT FOR THIS CIRCUIT
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE
9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
10. REPORTING YEAR (SAIDI)
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
12. REPORTING YEAR (SAIFI)
13. CORRECTIVE ACTION PLAN

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE
FOR SAIDI AND/OR SAIFI

****CIRCUIT REPORTING INFORMATION ATTACHED IN SPREADSHEET
"PSC_ANNUAL_DISTRIBUTION_RELIABILITY_CKT INFO - 2021"**

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

Additional page may be attached as needed.

Introduction to SKRECC's Vegetation Management Plan

Our number one goal as an electric cooperative is to provide safe, reliable and economical electrical service to our members. Achieving this goal includes a number of programs and procedures by SKRECC. Right of Way (ROW) programs and procedures are critical support functions to SKRECC's mission. Cutting new ROW for construction of new distribution lines and maintaining those ROWs are mission critical. We cut and clear ROWs for the safety of the public and SKRECC employees, to minimize the opportunity for trees falling into our power lines which are one of the most frequent cause for outages, for access to enable our crews to find and repair damaged areas more quickly, and to prevent trees from growing into the power lines which can create a hazardous energized tree or power blinks.

The Vegetation Management Plan is intended to be a guide to the policies and procedures that South Kentucky Rural Electric Cooperative Corporation (SKRECC) are putting in place to address the many Right of Way (ROW) issues that we encounter on an almost daily basis. Communication of this Plan to our Members, Management, and Employees is an important part of the open relationship we feel to be of the utmost importance.

The diversity of the terrain along with the diversity of the development and land use within our service territory requires SKRECC to use a variety of methods and practices to provide a ROW plan that meets the needs of the cooperative and its members. These methods include mechanical cutting, trimming, bush hogging, and both low volume and high volume spraying or a combination of methods.

SKRECC members understand and accept vegetation management as a necessary task to keep the lights on, but there are always cases where our responsibility to trim trees, remove vegetation or spray brush creates conflict with members that object for some reason. This is a very common issue with all electrical utilities and one the we have experienced from our founding in 1938.

The goals of this Vegetation Management Plan are to communicate our needs to control vegetation, communicate our policies and procedures on how we accomplish that task, and the importance of each members concerns.

****SKRECC'S CURRENT VEGETATION MANAGEMENT PLAN ATTACHED
"VMP- 2021-rev1.0"**

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 7: UTILITY COMMENTS

South Kentucky RECC strives to provide its members with safe and reliable electric. The following report provides statistics to indicate outage causes and durations affecting SKRECC's reliability measures. Within the report, trees are calculated as the dominant source of outage causes in the SKRECC service territory. As with majority of Rural Electric Cooperatives, the result of long feeders and more exposure induces a significant impact on outage duration (SAIDI) and frequency (SAIFI).

Typically, our outage situations are caused by rural tree lined right of ways. Over the years, we've acknowledged these tree lined right of ways and have taken notion to attempt to move the line out of the tree line to a better location. In 2020, SKRECC decided it was time to investigate the use of ROW circuit bidding. Even with this addition, we plan to review our circuit trimming list for 2022/2023 and possibly even fixate on the circuits determined as worst performing in this report.

We should also note that many of the tree indicated statistics were most likely during storm situations. During these situations, the dispatcher is responsible for categorizing these situations and may or may not receive any details regarding the circumstance. Often times, during a storm situation, an outage may be categorized as trees when in fact it may also qualify as wind or lightning.

We will recognize these measures and will determine steps for improvement and precautions regarding future outage concerns.

36.746 Avg. 2017-2021

alpha -1.92405 T_{MED} 43.819017
 beta 2.281646

System						
date	Customers	cons min/day	SAIDI	Ln(SAIDI)		
1/1/2021	69477	13689.03333	0.19703	-1.624401	22.61	2020
1/10/2021	69477	10646.13333	0.153232	-1.875799	43.81	2021
1/11/2021	69477	6544.516666	0.094197	-2.362368	66.74	2017
1/12/2021	69477	20.11666666	0.00029	-8.147202	24.66	2018
1/13/2021	69477	3612.183334	0.051991	-2.956683	25.91	2019
1/14/2021	69477	22326.96667	0.321358	-1.135201	183.73	
1/17/2021	69477	23560.98333	0.339119	-1.081404	36.746 Avg.	
1/18/2021	69477	15995.1	0.230222	-1.468713		
1/19/2021	69477	13485.58333	0.194101	-1.639375		
1/2/2021	69477	299.25	0.004307	-5.447472		
1/20/2021	69477	1486	0.021388	-3.844908		
1/21/2021	69477	122.6333333	0.001765	-6.339552		
1/22/2021	69477	130349.15	1.876148	0.629221		
1/23/2021	69477	10921.61667	0.157198	-1.850252		
1/25/2021	69477	216773.65	3.120078	1.137858		
1/26/2021	69477	10250.53333	0.147539	-1.913666		
1/27/2021	69477	34830.88333	0.50133	-0.690491		
1/28/2021	69477	55484.03333	0.798596	-0.2249		
1/29/2021	69477	214892.0833	3.092996	1.12914		
1/3/2021	69477	60.43333334	0.00087	-7.04721		
1/30/2021	69477	74012.26667	1.065277	0.063235		
1/31/2021	69477	16782.5	0.241555	-1.420659		
1/4/2021	69477	40399.33333	0.581478	-0.542182		
1/5/2021	69477	39.01666667	0.000562	-7.484762		
1/6/2021	69477	36.09999999	0.00052	-7.562458		
1/7/2021	69477	6833.766667	0.09836	-2.31912		
1/8/2021	69477	19335.7	0.278304	-1.279043		
10/1/2021	69477	2108.283333	0.030345	-3.495122		
10/10/2021	69477	4127.4	0.059407	-2.823348		
10/11/2021	69477	1907.45	0.027454	-3.595228		
10/12/2021	69477	6712.6	0.096616	-2.337009		
10/13/2021	69477	5131.483333	0.073859	-2.605601		
10/14/2021	69477	1100.933334	0.015846	-4.144837		
10/15/2021	69477	9222.1	0.132736	-2.019393		
10/16/2021	69477	76723.33333	1.104298	0.09921		
10/17/2021	69477	821.95	0.011831	-4.437071		
10/18/2021	69477	7871.933333	0.113303	-2.177692		
10/19/2021	69477	46270.76666	0.665987	-0.406485		
10/2/2021	69477	46109.81667	0.66367	-0.40997		
10/20/2021	69477	19615.11667	0.282325	-1.264695		
10/21/2021	69477	20573.7	0.296122	-1.216982		
10/22/2021	69477	9031.85	0.129998	-2.040239		
10/23/2021	69477	794.3	0.011433	-4.47129		
10/24/2021	69477	4568.716667	0.065759	-2.721763		
10/25/2021	69477	186714.35	2.687427	0.988584		
10/26/2021	69477	6033.3	0.086839	-2.443702		
10/27/2021	69477	2128.133333	0.030631	-3.485751		
10/28/2021	69477	226425.9333	3.259006	1.181422		
10/29/2021	69477	11245.3	0.161856	-1.821045		
10/3/2021	69477	26899.23333	0.387167	-0.948898		
10/30/2021	69477	21173.56666	0.304756	-1.188242		
10/31/2021	69477	9907	0.142594	-1.947754		
10/4/2021	69477	4813.316667	0.069279	-2.669609		
10/5/2021	69477	1086.783333	0.015642	-4.157773		
10/6/2021	69477	95724.26666	1.377784	0.320476		
10/7/2021	69477	22718.81667	0.326998	-1.117802		
10/8/2021	69477	6434.8	0.092618	-2.379275		
10/9/2021	69477	7772.216667	0.111867	-2.19044		
11/1/2021	69477	66.36666665	0.000955	-6.953556		
11/10/2021	69477	21148.98333	0.304403	-1.189404		
11/11/2021	69477	299699.25	4.313647	1.461784		
11/12/2021	69477	9130.65	0.13142	-2.029359		
11/13/2021	69477	35119.9	0.50549	-0.682228		
11/14/2021	69477	7044.033334	0.101387	-2.288815		
11/15/2021	69477	41236.81667	0.593532	-0.521664		
11/16/2021	69477	9874.083333	0.14212	-1.951082		
11/17/2021	69477	11609.33333	0.167096	-1.789186		
11/18/2021	69477	37961.45	0.546389	-0.604425		
11/19/2021	69477	707.7166667	0.010186	-4.586707		
11/2/2021	69477	1920.2	0.027638	-3.588566		
11/20/2021	69477	4185.616667	0.060245	-2.809342		
11/21/2021	69477	191.0166667	0.002749	-5.89639		
11/22/2021	69477	5198.966667	0.07483	-2.592536		

36.746 Avg. 2017-2021

alpha -1.92405 T_{MED} 43.819017
 beta 2.281646

System				
date	Customers	cons min/day	SAIDI	Ln(SAIDI)
11/23/2021	69477	1864.116667	0.026831	-3.618208
11/24/2021	69477	17600.5	0.253328	-1.373068
11/25/2021	69477	8813.566667	0.126856	-2.064704
11/26/2021	69477	2602.983333	0.037465	-3.284338
11/27/2021	69477	6504.45	0.09362	-2.368509
11/28/2021	69477	4009.2	0.057705	-2.852404
11/29/2021	69477	9121.833333	0.131293	-2.030325
11/3/2021	69477	4712.8	0.067833	-2.690714
11/30/2021	69477	12766.76667	0.183755	-1.69415
11/4/2021	69477	84904.28334	1.222049	0.200529
11/5/2021	69477	989.466667	0.014242	-4.251585
11/6/2021	69477	10933.71667	0.157372	-1.849144
11/7/2021	69477	883.516667	0.012717	-4.364841
11/8/2021	69477	2746.7	0.039534	-3.230596
11/9/2021	69477	1515.016667	0.021806	-3.825569
12/1/2021	69477	5394.316667	0.077642	-2.55565
12/10/2021	69477	28732.3	0.413551	-0.882974
12/11/2021	69477	2656431.417	38.23469	3.643743
12/12/2021	69477	202344.85	2.912401	1.068978
12/13/2021	69477	7967.133334	0.114673	-2.165671
12/14/2021	69477	7477.916667	0.107632	-2.229042
12/15/2021	69477	10192.06667	0.146697	-1.919386
12/16/2021	69477	335610.5	4.830527	1.574955
12/17/2021	69477	29044.4	0.418043	-0.87217
12/18/2021	69477	1095.866667	0.015773	-4.14945
12/19/2021	69477	11244.48333	0.161845	-1.821118
12/2/2021	69477	9057.366667	0.130365	-2.037417
12/20/2021	69477	20302.43333	0.292218	-1.230255
12/21/2021	69477	5220.45	0.075139	-2.588412
12/22/2021	69477	2801.5	0.040323	-3.210841
12/23/2021	69477	91802	1.321329	0.278638
12/24/2021	69477	3930.366667	0.056571	-2.872263
12/25/2021	69477	6560.183333	0.094422	-2.359977
12/26/2021	69477	11267.31667	0.162173	-1.81909
12/27/2021	69477	3742.75	0.05387	-2.921175
12/28/2021	69477	5713.05	0.082229	-2.498243
12/29/2021	69477	3030.116667	0.043613	-3.132395
12/3/2021	69477	49504.9	0.712537	-0.338924
12/30/2021	69477	2512.516667	0.036163	-3.319711
12/31/2021	69477	4525.566667	0.065138	-2.731253
12/4/2021	69477	14678.38333	0.21127	-1.55462
12/5/2021	69477	39389.93333	0.566949	-0.567485
12/6/2021	69477	313431.75	4.511302	1.506586
12/7/2021	69477	12011.38333	0.172883	-1.755141
12/8/2021	69477	38303.66667	0.551314	-0.59545
12/9/2021	69477	25579.61667	0.368174	-0.9992
2/1/2021	69477	90.46666665	0.001302	-6.64377
2/10/2021	69477	8736.433333	0.125746	-2.073494
2/11/2021	69477	3873.933333	0.055759	-2.886725
2/13/2021	69477	10458.66667	0.150534	-1.893565
2/15/2021	69477	50022145.32	719.9814	6.579225
2/16/2021	69477	10956727.15	157.7029	5.060713
2/17/2021	69477	6527414.65	93.95073	4.54277
2/18/2021	69477	5090630.35	73.27073	4.294161
2/19/2021	69477	1359166.05	19.56282	2.973631
2/2/2021	69477	259.066667	0.003729	-5.591666
2/20/2021	69477	377827.5167	5.438167	1.693442
2/21/2021	69477	375562.5333	5.405566	1.687429
2/22/2021	69477	157613.25	2.268567	0.819148
2/23/2021	69477	2960.416667	0.04261	-3.155666
2/24/2021	69477	8578.216667	0.123468	-2.09177
2/25/2021	69477	7010.5	0.100904	-2.293587
2/26/2021	69477	9661.516669	0.139061	-1.972845
2/27/2021	69477	111811.8167	1.609336	0.475821
2/28/2021	69477	544257.05	7.833629	2.058426
2/3/2021	69477	14791.36667	0.212896	-1.546952
2/4/2021	69477	20353.48333	0.292953	-1.227744
2/6/2021	69477	157.4	0.002265	-6.089961
2/7/2021	69477	42164.88333	0.60689	-0.499408
2/8/2021	69477	69289.41668	0.9973	-0.002704
2/9/2021	69477	80.48333333	0.001158	-6.760701
3/1/2021	69477	303942.6333	4.374723	1.475843
3/10/2021	69477	5425.516666	0.078091	-2.549883

36.746 Avg. 2017-2021

alpha -1.92405 T_{MED} 43.819017
 beta 2.281646

System				
date	Customers	cons min/day	SAIDI	Ln(SAIDI)
3/11/2021	69477	467.75	0.006732	-5.000817
3/12/2021	69477	202123.3333	2.909212	1.067882
3/13/2021	69477	14680.35	0.211298	-1.554486
3/14/2021	69477	71.53333333	0.00103	-6.878588
3/15/2021	69477	16421.48333	0.236359	-1.442405
3/16/2021	69477	835.0333334	0.012019	-4.421279
3/17/2021	69477	23495.8	0.338181	-1.084174
3/18/2021	69477	1496.8	0.021544	-3.837666
3/19/2021	69477	545.9166666	0.007858	-4.846285
3/20/2021	69477	4497.333333	0.064731	-2.737511
3/21/2021	69477	3913.716667	0.056331	-2.876508
3/22/2021	69477	13218.96667	0.190264	-1.659343
3/23/2021	69477	3587.266666	0.051632	-2.963605
3/24/2021	69477	5724.65	0.082396	-2.496214
3/25/2021	69477	494.0666666	0.007111	-4.946081
3/26/2021	69477	563212.9167	8.106466	2.092662
3/27/2021	69477	16646.93333	0.239604	-1.42877
3/28/2021	69477	40029.41667	0.576153	-0.551381
3/29/2021	69477	91318.73333	1.314374	0.27336
3/30/2021	69477	3486.916667	0.050188	-2.991978
3/31/2021	69477	38009.38333	0.547079	-0.603163
4/1/2021	69477	123556.8667	1.778385	0.575706
4/2/2021	69477	8507.65	0.122453	-2.10003
4/3/2021	69477	28878.86667	0.415661	-0.877886
4/4/2021	69477	59.38333333	0.000855	-7.064737
4/5/2021	69477	136.7333333	0.001968	-6.230718
4/6/2021	69477	63.05	0.000907	-7.004823
4/7/2021	69477	13187.56667	0.189812	-1.661721
4/8/2021	69477	23770.9	0.342141	-1.072534
4/9/2021	69477	4820.7	0.069386	-2.668077
4/10/2021	69477	54965.46667	0.791132	-0.234291
4/11/2021	69477	74.8	0.001077	-6.833933
4/12/2021	69477	1036.933333	0.014925	-4.204728
4/13/2021	69477	1676.966667	0.024137	-3.724009
4/14/2021	69477	6494.400001	0.093476	-2.370055
4/15/2021	69477	5669.216667	0.081598	-2.505945
4/16/2021	69477	243.15	0.0035	-5.655073
4/17/2021	69477	682.2833333	0.00982	-4.623306
4/18/2021	69477	1165.75	0.016779	-4.087631
4/19/2021	69477	2589.4	0.03727	-3.28957
4/20/2021	69477	1765.95	0.025418	-3.672307
4/21/2021	69477	385.0666667	0.005542	-5.195335
4/22/2021	69477	346.25	0.004984	-5.30159
4/23/2021	69477	13233.43333	0.190472	-1.658249
4/24/2021	69477	60.03333333	0.000864	-7.053851
4/25/2021	69477	4078.933333	0.058709	-2.83516
4/26/2021	69477	15476.35	0.222755	-1.501683
4/27/2021	69477	1760.416667	0.025338	-3.675445
4/28/2021	69477	1480	0.021302	-3.848954
4/29/2021	69477	229.65	0.003305	-5.712195
4/30/2021	69477	17943.93333	0.258272	-1.353744
5/1/2021	69477	11160.76667	0.16064	-1.828591
5/2/2021	69477	33939.91667	0.488506	-0.716404
5/3/2021	69477	34701.13333	0.499462	-0.694223
5/4/2021	69477	45287.36667	0.651833	-0.427968
5/5/2021	69477	33762.31666	0.48595	-0.72165
5/6/2021	69477	469.2666667	0.006754	-4.99758
5/7/2021	69477	4388.866667	0.06317	-2.761925
5/8/2021	69477	172903.3833	2.488642	0.911737
5/9/2021	69477	470.7333333	0.006775	-4.994459
5/10/2021	69477	2200.333333	0.03167	-3.452387
5/11/2021	69477	24321.33333	0.350063	-1.049642
5/12/2021	69477	269.15	0.003874	-5.553482
5/13/2021	69477	20863.48333	0.300293	-1.202995
5/14/2021	69477	409.6666667	0.005896	-5.133407
5/15/2021	69477	6398.933333	0.092101	-2.384864
5/16/2021	69477	3359.533333	0.048355	-3.029194
5/17/2021	69477	8409.716667	0.121043	-2.111608
5/18/2021	69477	645664.6167	9.293214	2.229284
5/19/2021	69477	7361.466667	0.105955	-2.244737
5/20/2021	69477	2509.85	0.036125	-3.320773
5/21/2021	69477	201.1666667	0.002895	-5.844617
5/22/2021	69477	2252.966667	0.032428	-3.428748

36.746 Avg. 2017-2021

alpha -1.92405 T_{MED} 43.819017
 beta 2.281646

System				
date	Customers	cons min/day	SAIDI	Ln(SAIDI)
5/25/2021	69477	34820.23333	0.501176	-0.690797
5/26/2021	69477	394433.6	5.677182	1.736455
5/27/2021	69477	23701.45	0.341141	-1.07546
5/28/2021	69477	93694.68334	1.348571	0.299046
5/29/2021	69477	57744.61667	0.831133	-0.184966
5/3/2021	69477	9309.5	0.133994	-2.00996
5/30/2021	69477	10232.61667	0.147281	-1.915415
5/31/2021	69477	5863.25	0.084391	-2.472292
5/4/2021	69477	219553.9833	3.160096	1.150602
5/5/2021	69477	548.1	0.007889	-4.842293
5/6/2021	69477	12118.76667	0.174428	-1.746241
5/7/2021	69477	3049.149996	0.043887	-3.126133
5/8/2021	69477	3425.466667	0.049304	-3.009758
5/9/2021	69477	91955.33333	1.323536	0.280307
6/1/2021	69477	5605.116667	0.080676	-2.517316
6/10/2021	69477	195022.9333	2.807014	1.032121
6/11/2021	69477	302916.3	4.359951	1.472461
6/12/2021	69477	3876144.983	55.79033	4.021601
6/13/2021	69477	121652.0167	1.750968	0.560169
6/14/2021	69477	50008.88333	0.71979	-0.328795
6/15/2021	69477	165164.25	2.377251	0.865945
6/16/2021	69477	15259.6	0.219635	-1.515787
6/17/2021	69477	5368.4	0.077269	-2.560466
6/18/2021	69477	9694.966667	0.139542	-1.969389
6/19/2021	69477	418.95	0.00603	-5.110999
6/2/2021	69477	17267.58333	0.248537	-1.392165
6/20/2021	69477	710.7333333	0.01023	-4.582454
6/21/2021	69477	1208540.05	17.39482	2.856173
6/22/2021	69477	68661.75	0.988266	-0.011803
6/23/2021	69477	1276.616667	0.018375	-3.996782
6/24/2021	69477	7734.816667	0.111329	-2.195264
6/25/2021	69477	15553.01667	0.223858	-1.496741
6/26/2021	69477	1972.583333	0.028392	-3.561652
6/27/2021	69477	144234.8	2.076008	0.730447
6/28/2021	69477	27407.16666	0.394478	-0.930191
6/29/2021	69477	27942.58333	0.402185	-0.910844
6/3/2021	69477	78575.71668	1.13096	0.123067
6/30/2021	69477	5448.866666	0.078427	-2.545588
6/4/2021	69477	3424.15	0.049285	-3.010142
6/5/2021	69477	7486.250001	0.107751	-2.227928
6/6/2021	69477	2237.083333	0.032199	-3.435823
6/7/2021	69477	11269.9	0.162211	-1.81886
6/8/2021	69477	50661.66667	0.729186	-0.315826
6/9/2021	69477	44544.48333	0.64114	-0.444507
7/1/2021	69477	97516.76667	1.403583	0.339029
7/10/2021	69477	652698.55	9.394455	2.24012
7/11/2021	69477	217809.4167	3.134986	1.142625
7/12/2021	69477	77461.33333	1.114921	0.108783
7/13/2021	69477	7187.7	0.103454	-2.268625
7/14/2021	69477	61923.16667	0.891276	-0.115101
7/15/2021	69477	27240.81667	0.392084	-0.936279
7/16/2021	69477	94633	1.362077	0.30901
7/17/2021	69477	51432	0.740274	-0.300735
7/18/2021	69477	50655.66667	0.7291	-0.315945
7/19/2021	69477	1491.183333	0.021463	-3.841426
7/2/2021	69477	347272.2667	4.998377	1.609113
7/20/2021	69477	4977.166667	0.071638	-2.636135
7/21/2021	69477	233619.0167	3.362537	1.212696
7/22/2021	69477	127668.2	1.837561	0.608439
7/23/2021	69477	2722.3	0.039183	-3.239519
7/24/2021	69477	5856	0.084287	-2.473529
7/25/2021	69477	3238.783333	0.046617	-3.065798
7/26/2021	69477	320172.05	4.608317	1.527863
7/27/2021	69477	34406.46667	0.495221	-0.702751
7/28/2021	69477	50647	0.728975	-0.316116
7/29/2021	69477	6131.516667	0.088252	-2.427554
7/3/2021	69477	7585.283333	0.109177	-2.214786
7/30/2021	69477	1136098.1	16.35215	2.794359
7/31/2021	69477	16159.95	0.232594	-1.45846
7/4/2021	69477	460.0333333	0.006621	-5.017452
7/5/2021	69477	15683.25	0.225733	-1.488402
7/6/2021	69477	597.3333333	0.008598	-4.756276
7/7/2021	69477	5304.766667	0.076353	-2.57239

36.746 Avg. 2017-2021

alpha -1.92405 T_{MED} 43.819017
 beta 2.281646

System				
date	Customers	cons min/day	SAIDI	Ln(SAIDI)
7/8/2021	69477	14996.3	0.215846	-1.533192
7/9/2021	69477	7548.2	0.108643	-2.219687
8/1/2021	69477	3075.866667	0.044272	-3.117409
8/10/2021	69477	233174.0833	3.356133	1.21079
8/11/2021	69477	4780.483333	0.068807	-2.676454
8/12/2021	69477	254.15	0.003658	-5.610826
8/13/2021	69477	8970.25	0.129111	-2.047082
8/14/2021	69477	39688.11667	0.571241	-0.559944
8/15/2021	69477	21424.48333	0.308368	-1.176461
8/16/2021	69477	64207.85	0.92416	-0.07887
8/17/2021	69477	324470.2167	4.670182	1.541198
8/18/2021	69477	27417.15	0.394622	-0.929827
8/19/2021	69477	48868.1	0.703371	-0.351871
8/2/2021	69477	5652.516667	0.081358	-2.508895
8/20/2021	69477	3141.583333	0.045218	-3.096269
8/21/2021	69477	301.2	0.004335	-5.440977
8/22/2021	69477	21097.66667	0.303664	-1.191833
8/23/2021	69477	8948.733334	0.128801	-2.049484
8/24/2021	69477	27984.51667	0.402788	-0.909344
8/25/2021	69477	165.3166667	0.002379	-6.040888
8/26/2021	69477	5195.983333	0.074787	-2.59311
8/27/2021	69477	26126.54999	0.376046	-0.978044
8/28/2021	69477	31821.63333	0.458017	-0.780849
8/29/2021	69477	16764.23333	0.241292	-1.421748
8/3/2021	69477	7770.066667	0.111837	-2.190717
8/30/2021	69477	85243.81667	1.226936	0.20452
8/31/2021	69477	624635.8	8.990541	2.196173
8/4/2021	69477	27097.23333	0.390017	-0.941564
8/5/2021	69477	18468.66667	0.265824	-1.32492
8/6/2021	69477	13254.88333	0.190781	-1.65663
8/7/2021	69477	799.7	0.01151	-4.464514
8/8/2021	69477	4230.533334	0.060891	-2.798668
8/9/2021	69477	308932.45	4.446543	1.492127
9/1/2021	69477	28841.45	0.415122	-0.879182
9/10/2021	69477	13667.13333	0.196715	-1.626002
9/11/2021	69477	16145.15	0.232381	-1.459376
9/12/2021	69477	113520.6167	1.633931	0.490989
9/13/2021	69477	812.15	0.011689	-4.449066
9/14/2021	69477	33.83333333	0.000487	-7.627305
9/15/2021	69477	20619.23333	0.296778	-1.214771
9/16/2021	69477	4791.55	0.068966	-2.674142
9/17/2021	69477	7382.566667	0.106259	-2.241874
9/18/2021	69477	17998.68333	0.25906	-1.350697
9/19/2021	69477	993.65	0.014302	-4.247366
9/2/2021	69477	5736.05	0.08256	-2.494225
9/20/2021	69477	59541.58333	0.856997	-0.154321
9/21/2021	69477	5932.15	0.085383	-2.460609
9/22/2021	69477	126447.4667	1.81999	0.598831
9/23/2021	69477	10257.06667	0.147633	-1.913029
9/24/2021	69477	23953.5	0.344769	-1.064881
9/25/2021	69477	47582.23333	0.684863	-0.378536
9/26/2021	69477	1226.616667	0.017655	-4.036736
9/27/2021	69477	1397.983333	0.020122	-3.905965
9/28/2021	69477	5476.266667	0.078821	-2.540572
9/29/2021	69477	8139.8	0.117158	-2.14423
9/3/2021	69477	15599.01667	0.224521	-1.493788
9/30/2021	69477	672.35	0.009677	-4.637972
9/4/2021	69477	2697.966667	0.038833	-3.248497
9/5/2021	69477	7965.2	0.114645	-2.165914
9/6/2021	69477	51894.76667	0.746934	-0.291778
9/7/2021	69477	8316.75	0.119705	-2.122724
9/8/2021	69477	62.76666667	0.000903	-7.009327
9/9/2021	69477	536.55	0.007723	-4.863591

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0102:

1. SUBSTATION NAME AND NUMBER

01/RUSSELL SPRINGS #1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

64 Old Sano Road, Russell Springs, Ky 42642

3. CIRCUIT NAME AND NUMBER

BERNARD RIDGE / #0102

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD BERNARD RIDGE

5. TOTAL CIRCUIT LENGTH (MILES)

25.52

6. CUSTOMER COUNT FOR THIS CIRCUIT

596

7.. DATE OF LAST CIRCUIT TRIM (VM)

2010

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	7%
Car Hit Pole	7%
Defective Equipment	7%
Lighting	7%
Line Fuse	13%
Major Storm	7%
Squirrel	7%
Transformer Fuse Blown	20%
Trees	20%
Unknown Cause	7%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.340362082

10. REPORTING YEAR (SAIDI)

0.481453335

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.006193887

12. REPORTING YEAR (SAIFI)

0.011097198

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0103:

1. SUBSTATION NAME AND NUMBER

01/RUSSELL SPRINGS #1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

64 Old Sano Road, Russell Springs, Ky 42642

3. CIRCUIT NAME AND NUMBER

FRENCH VALLEY IND. PARK / #0103

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SOUTH ON HAILS HIGHWAY

5. TOTAL CIRCUIT LENGTH (MILES)

12.91

6. CUSTOMER COUNT FOR THIS CIRCUIT

167

7.. DATE OF LAST CIRCUIT TRIM (VM)

2013

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Broke Pole	20%
Line Down	20%
Transformer	20%
Trees	40%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.204690142

10. REPORTING YEAR (SAIDI)

0.13850147

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.003591274

12. REPORTING YEAR (SAIFI)

0.006088346

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0104:

1. SUBSTATION NAME AND NUMBER

01/RUSSELL SPRINGS #2

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

64 Old Sano Road, Russell Springs, Ky 42642

3. CIRCUIT NAME AND NUMBER

HAILS HIGHWAY / #0104

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SOUTH ON HAILS HIGHWAY

5. TOTAL CIRCUIT LENGTH (MILES)

60.27

6. CUSTOMER COUNT FOR THIS CIRCUIT

755

7.. DATE OF LAST CIRCUIT TRIM (VM)

2012

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	21%
Broke Pole	3%
Car Hit Pole	5%
Line Down	8%
Line Fuse	3%
Squirrel	3%
Transformer Fuse Blown	28%
Trees	31%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.061010593

10. REPORTING YEAR (SAIDI)

1.806737242

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.013814243

12. REPORTING YEAR (SAIFI)

0.017113577

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2023

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0105:

1. SUBSTATION NAME AND NUMBER

01/RUSSELL SPRINGS #2

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

64 Old Sano Road, Russell Springs, Ky 42642

3. CIRCUIT NAME AND NUMBER

WEST HWY 80 / #0105

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS WEST ON HWY 80 HIGHWAY

5. TOTAL CIRCUIT LENGTH (MILES)

48.2

6. CUSTOMER COUNT FOR THIS CIRCUIT

902

7.. DATE OF LAST CIRCUIT TRIM (VM)

2017

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	18%
Car Hit Pole	9%
Line Down	5%
Line Fuse	5%
Planned	5%
Transformer Fuse Blown	18%
Transformer	9%
Trees	32%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.479574505

10. REPORTING YEAR (SAIDI)

4.010478528

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.010405963

12. REPORTING YEAR (SAIFI)

0.020294486

13. CORRECTIVE ACTION PLAN

CKT WILL BE VISUALLY INSPECTED

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0202:

1. SUBSTATION NAME AND NUMBER

02/WINDSOR

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

1905 Highway 80, Windsor, KY 42565

3. CIRCUIT NAME AND NUMBER

CAINTOWN / #0202

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST TOWARD MT. OLIVE

5. TOTAL CIRCUIT LENGTH (MILES)

121.02

6. CUSTOMER COUNT FOR THIS CIRCUIT

1183

7.. DATE OF LAST CIRCUIT TRIM (VM)

2017

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	19%
Defective Equipment	2%
Lighting	5%
Line Down	7%
Major Storm	14%
Squirrel	5%
Transformer Fuse Blown	31%
Trees	14%
Unknown Cause	2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.727865892

10. REPORTING YEAR (SAIDI)

3.099307205

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.020097511

12. REPORTING YEAR (SAIFI)

0.028095629

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2023

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0302:

1. SUBSTATION NAME AND NUMBER

03/NANCY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

995 HWY 196, Nancy, KY 42544

3. CIRCUIT NAME AND NUMBER

FAUBUSH / #0302

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS WEST ON HWY 196

5. TOTAL CIRCUIT LENGTH (MILES)

26.19

6. CUSTOMER COUNT FOR THIS CIRCUIT

278

7.. DATE OF LAST CIRCUIT TRIM (VM)

2010

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	12%
Lighting	6%
Line Down	6%
Major Storm	12%
Transformer Fuse Blown	29%
Trees	24%
Unknown Cause	12%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.794116127

10. REPORTING YEAR (SAIDI)

1.578474891

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.007037337

12. REPORTING YEAR (SAIFI)

0.005455043

13. CORRECTIVE ACTION PLAN

CKT WILL BE VISUALLY INSPECTED

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0304:

1. SUBSTATION NAME AND NUMBER

03/NANCY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

995 HWY 196, Nancy, KY 42544

3. CIRCUIT NAME AND NUMBER

LANETOWN-PINEY GROVE / #0304

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST ON HWY 80

5. TOTAL CIRCUIT LENGTH (MILES)

38.92

6. CUSTOMER COUNT FOR THIS CIRCUIT

614

7.. DATE OF LAST CIRCUIT TRIM (VM)

2016

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	6%
Broke Pole	3%
Defective Equipment	3%
Line Down	3%
Line Fuse	3%
Major Storm	25%
Planned	3%
Squirrel	6%
Transformer Fuse Blown	16%
Trees	28%
Wind	3%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.1013654

10. REPORTING YEAR (SAIDI)

1.82399787

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.015670665

12. REPORTING YEAR (SAIFI)

0.01960361

13. CORRECTIVE ACTION PLAN

CKT WILL BE VISUALLY INSPECTED

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0402:

1. SUBSTATION NAME AND NUMBER

04/MT OLIVE

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

4968 Calvary Ridge Road, Yosemite, KY 42566

3. CIRCUIT NAME AND NUMBER

WALLTOWN / #0402

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS WALLTOWN

5. TOTAL CIRCUIT LENGTH (MILES)

67.07

6. CUSTOMER COUNT FOR THIS CIRCUIT

712

7.. DATE OF LAST CIRCUIT TRIM (VM)

2021

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	5%
Broke Pole	3%
Car Hit Pole	3%
Defective Equipment	5%
Line Down	5%
Line Fuse	5%
Major Storm	21%
Planned	3%
Transformer Fuse Blown	26%
Transformer	3%
Trees	18%
Unknown Cause	5%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.368827715

10. REPORTING YEAR (SAIDI)

0.758390786

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.010397575

12. REPORTING YEAR (SAIFI)

0.015228061

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0501:

1. SUBSTATION NAME AND NUMBER

05/SOMERSET

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

105 Jared Lane, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

INDUSTRIAL PARK / #0501

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST TOWARD INDUSTRIAL PARK

5. TOTAL CIRCUIT LENGTH (MILES)

3.05

6. CUSTOMER COUNT FOR THIS CIRCUIT

25

7.. DATE OF LAST CIRCUIT TRIM (VM)

2012

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Transformer Fuse Blown

100%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.00667018

10. REPORTING YEAR (SAIDI)

0.010234562

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.000213322

12. REPORTING YEAR (SAIFI)

2.87865E-05

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0504:

1. SUBSTATION NAME AND NUMBER

05/SOMERSET

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

105 Jared Lane, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

SOUTHERN HILLS / #0504

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS WEST ON PARKERS MILL RD.

5. TOTAL CIRCUIT LENGTH (MILES)

10.47

6. CUSTOMER COUNT FOR THIS CIRCUIT

476

7.. DATE OF LAST CIRCUIT TRIM (VM)

2010

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	4%
Line Down	4%
Line Fuse	17%
Major Storm	9%
Squirrel	9%
Transformer Fuse Blown	26%
Trees	26%
Unknown Cause	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.567370425

10. REPORTING YEAR (SAIDI)

0.475642059

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.006002512

12. REPORTING YEAR (SAIFI)

0.00650575

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0601:

1. SUBSTATION NAME AND NUMBER

06/EAST SOMERSET

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

126 Garner School Road, Somerset, KY 42503

3. CIRCUIT NAME AND NUMBER

TIE TO NELSON VALLEY / #0601

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD NELSON VALLEY CKT

5. TOTAL CIRCUIT LENGTH (MILES)

2.18

6. CUSTOMER COUNT FOR THIS CIRCUIT

28

7.. DATE OF LAST CIRCUIT TRIM (VM)

2019 SPRAY

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	33%
3 Trees	33%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	
14 Bird	
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	33%
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.01864355

10. REPORTING YEAR (SAIDI)

0.045858342

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

9.79076E-05

12. REPORTING YEAR (SAIFI)

0.000172719

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0602:

1. SUBSTATION NAME AND NUMBER

06/EAST SOMERSET

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

126 Garner School Road, Somerset, KY 42503

3. CIRCUIT NAME AND NUMBER

BOLTON SUBDIVISION / #0602

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS BOLTON SUBDIVISION

5. TOTAL CIRCUIT LENGTH (MILES)

6.58

6. CUSTOMER COUNT FOR THIS CIRCUIT

119

7.. DATE OF LAST CIRCUIT TRIM (VM)

2019 SPRAY

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	27%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	9%
14 Bird	
15 Major Storm	27%
16 Line Down	
17 Transformer Fuse Blown	27%
18 Line Fuse	9%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.115792988

10. REPORTING YEAR (SAIDI)

0.161644621

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.000977505

12. REPORTING YEAR (SAIFI)

0.001209033

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0603:

1. SUBSTATION NAME AND NUMBER

06/EAST SOMERSET

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

126 Garner School Road, Somerset, KY 42503

3. CIRCUIT NAME AND NUMBER

SUGAR HILL / #0603

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST HWY 80

5. TOTAL CIRCUIT LENGTH (MILES)

27.26

6. CUSTOMER COUNT FOR THIS CIRCUIT

564

7.. DATE OF LAST CIRCUIT TRIM (VM)

2019 SPRAY

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	29%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	24%
14 Bird	
15 Major Storm	
16 Line Down	24%
17 Transformer Fuse Blown	24%
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.817975139

10. REPORTING YEAR (SAIDI)

0.970181259

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.013284384

12. REPORTING YEAR (SAIFI)

0.028253955

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0604:

1. SUBSTATION NAME AND NUMBER

06/EAST SOMERSET

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

126 Garner School Road, Somerset, KY 42503

3. CIRCUIT NAME AND NUMBER

EAST HWY 192 / #0604

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST ON HWY 192

5. TOTAL CIRCUIT LENGTH (MILES)

62.9

6. CUSTOMER COUNT FOR THIS CIRCUIT

861

7.. DATE OF LAST CIRCUIT TRIM (VM)

2016

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	3%
2 Other Animal	
3 Trees	33%
4 Lightning	10%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	5%
10 Transformer	
11 Customer Wiring	
13 Squirrel	3%
14 Bird	3%
15 Major Storm	15%
16 Line Down	3%
17 Transformer Fuse Blown	20%
18 Line Fuse	
19 Broke Pole	
20 Wind	3%
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

3.056698945

10. REPORTING YEAR (SAIDI)

6.652173381

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.025854527

12. REPORTING YEAR (SAIFI)

0.037048232

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0605:

1. SUBSTATION NAME AND NUMBER

06/EAST SOMERSET

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

126 Garner School Road, Somerset, KY 42503

3. CIRCUIT NAME AND NUMBER

GOFFTOWN / #0605

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS GRUNDY RD AREA

5. TOTAL CIRCUIT LENGTH (MILES)

41.35

6. CUSTOMER COUNT FOR THIS CIRCUIT

644

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	38%
4 Lightning	2%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	4%
10 Transformer	
11 Customer Wiring	
13 Squirrel	2%
14 Bird	2%
15 Major Storm	18%
16 Line Down	7%
17 Transformer Fuse Blown	15%
18 Line Fuse	2%
19 Broke Pole	5%
20 Wind	2%
21 Load	
22 Planned	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.536062988

10. REPORTING YEAR (SAIDI)

4.302243668

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.017507014

12. REPORTING YEAR (SAIFI)

0.027001742

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0701:

1. SUBSTATION NAME AND NUMBER

07/SHOPVILLE

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

130 Dahl Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

STAB / #0701

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST HWY 80

5. TOTAL CIRCUIT LENGTH (MILES)

118.45

6. CUSTOMER COUNT FOR THIS CIRCUIT

1055

7.. DATE OF LAST CIRCUIT TRIM (VM)

2019

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Broke Pole	1%
Line Down	10%
Line Fuse	1%
Major Storm	24%
Planned	3%
Squirrel	1%
Transfomer Fuse Blown	24%
Trees	33%
Unknown Cause	1%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

6.232271548

10. REPORTING YEAR (SAIDI)

6.862887718

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.03851004

12. REPORTING YEAR (SAIFI)

0.037523209

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0705:

1. SUBSTATION NAME AND NUMBER

07/SHOPVILLE

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

130 Dahl Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

VALLEY OAK / #0705

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARDS IND. PARK ON DAHL

5. TOTAL CIRCUIT LENGTH (MILES)

95.72

6. CUSTOMER COUNT FOR THIS CIRCUIT

861

7.. DATE OF LAST CIRCUIT TRIM (VM)

2019

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	3%
Broke Pole	3%
Defective Equipment	5%
Lighting	2%
Line Down	14%
Line Fuse	5%
Major Storm	11%
Squirrel	2%
Transfomer Fuse Blown	25%
Transformer	2%
Trees	22%
Unknown Cause	5%
Wind	2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.436811273

10. REPORTING YEAR (SAIDI)

3.346380817

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.018800457

12. REPORTING YEAR (SAIFI)

0.019819509

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0804:

1. SUBSTATION NAME AND NUMBER

08/NORWOOD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

279 West Racetrak Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

BREEZY HILLS / #0804

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS CLIFTY RD.

5. TOTAL CIRCUIT LENGTH (MILES)

22.04

6. CUSTOMER COUNT FOR THIS CIRCUIT

570

7.. DATE OF LAST CIRCUIT TRIM (VM)

2014

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Other Animal	4%
Bird	4%
Line Down	4%
Major Storm	16%
Transformer Fuse Blown	44%
Trees	28%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.002426165

10. REPORTING YEAR (SAIDI)

1.311650138

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.01179765

12. REPORTING YEAR (SAIFI)

0.008520805

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0805:

1. SUBSTATION NAME AND NUMBER

08/NORWOOD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

279 West Racetrak Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

NORTH HWY 27 / #0805

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH ON HWY 27

5. TOTAL CIRCUIT LENGTH (MILES)

3.5

6. CUSTOMER COUNT FOR THIS CIRCUIT

49

7.. DATE OF LAST CIRCUIT TRIM (VM)

2014

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Broke Pole	40%
Line Fuse	20%
Trees	40%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.019895558

10. REPORTING YEAR (SAIDI)

0.027667669

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.000358588

12. REPORTING YEAR (SAIFI)

0.000647696

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0902:

1. SUBSTATION NAME AND NUMBER

09/FLOYD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

859 Old Somerset Standford Road, Somerset, KY

3. CIRCUIT NAME AND NUMBER

SOUTH HWY 1247 / #0902

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SOUTH ON HWY 1247

5. TOTAL CIRCUIT LENGTH (MILES)

20.94

6. CUSTOMER COUNT FOR THIS CIRCUIT

435

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	27%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	4%
10 Transformer	4%
11 Customer Wiring	
13 Squirrel	4%
14 Bird	12%
15 Major Storm	31%
16 Line Down	
17 Transformer Fuse Blown	8%
18 Line Fuse	12%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.380240011

10. REPORTING YEAR (SAIDI)

0.605287361

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.007253579

12. REPORTING YEAR (SAIFI)

0.009974524

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0903:

1. SUBSTATION NAME AND NUMBER

09/FLOYD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

859 Old Somerset Standford Road, Somerset, KY

3. CIRCUIT NAME AND NUMBER

NORTH HWY 1247 / #0903

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH ON HWY 1247

5. TOTAL CIRCUIT LENGTH (MILES)

61.2

6. CUSTOMER COUNT FOR THIS CIRCUIT

660

7.. DATE OF LAST CIRCUIT TRIM (VM)

2016

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	2%
2 Other Animal	2%
3 Trees	31%
4 Lightning	2%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	2%
10 Transformer	
11 Customer Wiring	
13 Squirrel	2%
14 Bird	8%
15 Major Storm	21%
16 Line Down	8%
17 Transformer Fuse Blown	15%
18 Line Fuse	4%
19 Broke Pole	4%
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.020030336

10. REPORTING YEAR (SAIDI)

4.624303007

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.014326458

12. REPORTING YEAR (SAIFI)

0.034515019

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0905:

1. SUBSTATION NAME AND NUMBER

09/FLOYD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

859 Old Somerset Standford Road, Somerset, KY

3. CIRCUIT NAME AND NUMBER

NORTH HWY 27 / #0905

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH ON HWY 27

5. TOTAL CIRCUIT LENGTH (MILES)

48.42

6. CUSTOMER COUNT FOR THIS CIRCUIT

619

7.. DATE OF LAST CIRCUIT TRIM (VM)

2016

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	30%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	3%
11 Customer Wiring	
13 Squirrel	6%
14 Bird	12%
15 Major Storm	18%
16 Line Down	6%
17 Transformer Fuse Blown	21%
18 Line Fuse	3%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.726297747

10. REPORTING YEAR (SAIDI)

1.332607913

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.012320098

12. REPORTING YEAR (SAIFI)

0.014306893

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1001:

1. SUBSTATION NAME AND NUMBER

10/NORTH ALBANY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

1028 Third Street, Albany, KY 42602

3. CIRCUIT NAME AND NUMBER

DOWNTOWN / #1001

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD SOUTH ALBANY

5. TOTAL CIRCUIT LENGTH (MILES)

12.29

6. CUSTOMER COUNT FOR THIS CIRCUIT

811

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	3%
Broke Pole	3%
Defective Equipment	6%
Major Storm	6%
Squirrel	3%
Transformer Fuse Blown	16%
Transmission/Power Supplier	19%
Trees	44%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.72208584

10. REPORTING YEAR (SAIDI)

2.375913612

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.009488793

12. REPORTING YEAR (SAIFI)

0.029434201

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2022

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1002:

1. SUBSTATION NAME AND NUMBER

10/NORTH ALBANY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

1028 Third Street, Albany, KY 42602

3. CIRCUIT NAME AND NUMBER

DUVALL VALLEY / #1002

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD DUVALL VALLEY

5. TOTAL CIRCUIT LENGTH (MILES)

51.97

6. CUSTOMER COUNT FOR THIS CIRCUIT

813

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS

NUMBERS REPRESENTED BY EACH CAUSE

Bird	10%
Line Down	2%
Line Fuse	4%
Major Storm	6%
Squirrel	8%
Transformer Fuse Blown	20%
Transmission/Power Supplier	14%
Trees	32%
Unknown Cause	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.054394584

10. REPORTING YEAR (SAIDI)

2.172020237

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.0719802

12. REPORTING YEAR (SAIFI)

0.065676411

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1003:

1. SUBSTATION NAME AND NUMBER

10/NORTH ALBANY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

1028 Third Street, Albany, KY 42602

3. CIRCUIT NAME AND NUMBER

BURKESVILLE / #1003

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD BURKESVILLE

5. TOTAL CIRCUIT LENGTH (MILES)

20.53

6. CUSTOMER COUNT FOR THIS CIRCUIT

401

7.. DATE OF LAST CIRCUIT TRIM (VM)

2016

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	11%
Line Down	11%
Line Fuse	6%
Major Storm	6%
Transformer Fuse Blown	22%
Transmission/Power Supplier	17%
Trees	28%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.298925607

10. REPORTING YEAR (SAIDI)

0.729975867

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.005424591

12. REPORTING YEAR (SAIFI)

0.008779884

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2022

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1102:

1. SUBSTATION NAME AND NUMBER

11/SOUTH ALBANY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

235 West Harper Lane, Albany, KY 42602

3. CIRCUIT NAME AND NUMBER

ADAMS DOCK / #1102

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS ADAMS DOCK

5. TOTAL CIRCUIT LENGTH (MILES)

50.43

6. CUSTOMER COUNT FOR THIS CIRCUIT

1052

7.. DATE OF LAST CIRCUIT TRIM (VM)

2013

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	7%
Broke Pole	2%
Customer Wiring	2%
Defective Equipment	5%
Lighting	5%
Major Storm	35%
Squirrel	5%
Transformer Fuse Blown	15%
Trees	18%
Unknown Cause	5%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.897364608

10. REPORTING YEAR (SAIDI)

1.817669637

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.011546576

12. REPORTING YEAR (SAIFI)

0.022079249

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2022

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1102:

1. SUBSTATION NAME AND NUMBER

11/SOUTH ALBANY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

235 West Harper Lane, Albany, KY 42602

3. CIRCUIT NAME AND NUMBER

WISDOM DOCK / #1102

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS WISDOM DOCK

5. TOTAL CIRCUIT LENGTH (MILES)

57.92

6. CUSTOMER COUNT FOR THIS CIRCUIT

888

7.. DATE OF LAST CIRCUIT TRIM (VM)

2021

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	7%
Defective Equipment	4%
Line Down	4%
Line Fuse	4%
Major Storm	18%
Transformer Fuse Blown	18%
Transmission/Power Supplier	4%
Trees	39%
Unknown Cause	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.686926273

10. REPORTING YEAR (SAIDI)

3.902098296

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.026066286

12. REPORTING YEAR (SAIFI)

0.052434619

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE SPRAYED 2022

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1104:

1. SUBSTATION NAME AND NUMBER

11/SOUTH ALBANY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

235 West Harper Lane, Albany, KY 42602

3. CIRCUIT NAME AND NUMBER

DOWNTOWN / #1104

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS ALBANY

5. TOTAL CIRCUIT LENGTH (MILES)

3.14

6. CUSTOMER COUNT FOR THIS CIRCUIT

208

7.. DATE OF LAST CIRCUIT TRIM (VM)

2016

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Line Down	17%
Transmission/Power Supplier	50%
Trees	33%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.23974501

10. REPORTING YEAR (SAIDI)

0.251829862

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.003134034

12. REPORTING YEAR (SAIFI)

0.006117132

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2022

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1105:

1. SUBSTATION NAME AND NUMBER

11/SOUTH ALBANY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

235 West Harper Lane, Albany, KY 42602

3. CIRCUIT NAME AND NUMBER

STATIC / #1105

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD STATIC AREA

5. TOTAL CIRCUIT LENGTH (MILES)

57.79

6. CUSTOMER COUNT FOR THIS CIRCUIT

829

7.. DATE OF LAST CIRCUIT TRIM (VM)

2019

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	11%
Car Hit Pole	2%
Defective Equipment	2%
Lighting	9%
Line Down	9%
Line Fuse	2%
Major Storm	11%
Squirrel	4%
Transfomer Fuse Blown	17%
Transformer	4%
Transmission/Power Supplier	2%
Trees	26%
Wind	2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.079542322

10. REPORTING YEAR (SAIDI)

3.889724657

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.033291525

12. REPORTING YEAR (SAIFI)

0.066324107

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1201:

1. SUBSTATION NAME AND NUMBER

12/SEWELLTON

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

44 Highway 55, Jamestown, KY 42629

3. CIRCUIT NAME AND NUMBER

STORY LANE / #1201

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH ON HWY 127

5. TOTAL CIRCUIT LENGTH (MILES)

20.58

6. CUSTOMER COUNT FOR THIS CIRCUIT

426

7.. DATE OF LAST CIRCUIT TRIM (VM)

2016

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Line Down	33%
Transformer Fuse Blown	33%
Trees	33%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.033360221

10. REPORTING YEAR (SAIDI)

0.13621966

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.00021942

12. REPORTING YEAR (SAIFI)

0.000633303

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1203:

1. SUBSTATION NAME AND NUMBER

12/SEWELLTON

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

44 Highway 55, Jamestown, KY 42629

3. CIRCUIT NAME AND NUMBER

WOLF CREEK DAM / #1203

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS WOLF CREEK DAM

5. TOTAL CIRCUIT LENGTH (MILES)

35.52

6. CUSTOMER COUNT FOR THIS CIRCUIT

550

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Broke Pole	4%
Lighting	4%
Line Down	8%
Line Fuse	4%
Planned	12%
Squirrel	4%
Transfomer Fuse Blown	27%
Trees	38%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

3.108439195

10. REPORTING YEAR (SAIDI)

4.695689701

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.022721401

12. REPORTING YEAR (SAIFI)

0.036760367

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1204:

1. SUBSTATION NAME AND NUMBER

12/SEWELLTON

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

44 Highway 55, Jamestown, KY 42629

3. CIRCUIT NAME AND NUMBER

HIGHWAY 55 / #1204

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS HWY 55

5. TOTAL CIRCUIT LENGTH (MILES)

109.76

6. CUSTOMER COUNT FOR THIS CIRCUIT

1012

7.. DATE OF LAST CIRCUIT TRIM (VM)

2016

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	7%
Defective Equipment	2%
Lighting	7%
Line Down	9%
Line Fuse	2%
Major Storm	4%
Planned	2%
Squirrel	4%
Transfomer Fuse Blown	18%
Transformer	2%
Trees	33%
Unknown Cause	7%
Wind	2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.71010713

10. REPORTING YEAR (SAIDI)

4.960764953

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.023057949

12. REPORTING YEAR (SAIFI)

0.033018121

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2023

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1301:

1. SUBSTATION NAME AND NUMBER

13/ZULA

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

191 HWY 1009 N, Monticello, KY 42653

3. CIRCUIT NAME AND NUMBER

SUSIE / #1301

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST HWY 90

5. TOTAL CIRCUIT LENGTH (MILES)

45.15

6. CUSTOMER COUNT FOR THIS CIRCUIT

609

7.. DATE OF LAST CIRCUIT TRIM (VM)

2017

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	4%
Lighting	4%
Line Down	4%
Major Storm	16%
Squirrel	8%
Transformer Fuse Blown	12%
Trees	48%
Unknown Cause	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.431758728

10. REPORTING YEAR (SAIDI)

2.810122774

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.010222595

12. REPORTING YEAR (SAIFI)

0.014983376

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2022

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1304:

1. SUBSTATION NAME AND NUMBER

13/ZULA

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

191 HWY 1009 N, Monticello, KY 42653

3. CIRCUIT NAME AND NUMBER

ALPHA / #1304

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS WEST HWY 90

5. TOTAL CIRCUIT LENGTH (MILES)

17.74

6. CUSTOMER COUNT FOR THIS CIRCUIT

251

7.. DATE OF LAST CIRCUIT TRIM (VM)

2017

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	20%
Customer Wiring	7%
Line Down	7%
Major Storm	7%
Squirrel	7%
Transformer Fuse Blown	20%
Transformer	7%
Trees	27%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.520361004

10. REPORTING YEAR (SAIDI)

0.517720733

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.00535647

12. REPORTING YEAR (SAIFI)

0.007757963

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1401:

1. SUBSTATION NAME AND NUMBER

14/MONTICELLO

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

422 Hardwood Drive, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

RODGERS GROVE / #1401

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH ON HWY 833

5. TOTAL CIRCUIT LENGTH (MILES)

19.77

6. CUSTOMER COUNT FOR THIS CIRCUIT

441

7.. DATE OF LAST CIRCUIT TRIM (VM)

2013

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	6%
2 Other Animal	
3 Trees	9%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	3%
11 Customer Wiring	
13 Squirrel	
14 Bird	
15 Major Storm	25%
16 Line Down	9%
17 Transformer Fuse Blown	34%
18 Line Fuse	9%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	3%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.534485238

10. REPORTING YEAR (SAIDI)

0.619300152

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.008651428

12. REPORTING YEAR (SAIFI)

0.010478288

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1402:

1. SUBSTATION NAME AND NUMBER

14/MONTICELLO

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

422 Hardwood Drive, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

KELLEY LANE / #1402

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH ON HWY 833

5. TOTAL CIRCUIT LENGTH (MILES)

31.9

6. CUSTOMER COUNT FOR THIS CIRCUIT

442

7.. DATE OF LAST CIRCUIT TRIM (VM)

2020

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS

NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	3%
2 Other Animal	
3 Trees	28%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	7%
10 Transformer	
11 Customer Wiring	
13 Squirrel	3%
14 Bird	3%
15 Major Storm	17%
16 Line Down	3%
17 Transformer Fuse Blown	28%
18 Line Fuse	
19 Broke Pole	3%
20 Wind	3%
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.108256211

10. REPORTING YEAR (SAIDI)

1.937830985

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.013289137

12. REPORTING YEAR (SAIFI)

0.022036069

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1404:

1. SUBSTATION NAME AND NUMBER

14/MONTICELLO

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

422 Hardwood Drive, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

SPAN HILL / #1404

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SOUTH EAST OF WAYNE CO

5. TOTAL CIRCUIT LENGTH (MILES)

136.08

6. CUSTOMER COUNT FOR THIS CIRCUIT

1262

7.. DATE OF LAST CIRCUIT TRIM (VM)

2021

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Broke Pole	2%
Car Hit Pole	1%
Customer Wiring	1%
Defective Equipment	4%
Lighting	2%
Line Down	3%
Line Fuse	2%
Major Storm	18%
Planned	1%
Squirrel	3%
Transformer Fuse Blown	23%
Transformer	2%
Trees	34%
Unknown Cause	3%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

5.829886942

10. REPORTING YEAR (SAIDI)

8.115543033

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.058402973

12. REPORTING YEAR (SAIFI)

0.089382098

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1502:

1. SUBSTATION NAME AND NUMBER

15/BRONSTON #1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2373 HWY 790, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

TWIN RIVERS / #1502

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD TWIN RIVERS

5. TOTAL CIRCUIT LENGTH (MILES)

27.16

6. CUSTOMER COUNT FOR THIS CIRCUIT

873

7.. DATE OF LAST CIRCUIT TRIM (VM)

2011

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	10%
2 Other Animal	
3 Trees	26%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	3%
11 Customer Wiring	
13 Squirrel	19%
14 Bird	10%
15 Major Storm	13%
16 Line Down	3%
17 Transformer Fuse Blown	13%
18 Line Fuse	3%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.798219715

10. REPORTING YEAR (SAIDI)

0.825556179

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.008346752

12. REPORTING YEAR (SAIFI)

0.005123998

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1503:

1. SUBSTATION NAME AND NUMBER

15/BRONSTON #1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2373 HWY 790, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

ANTIOCH SHORES / #1503

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH TOWARD ANTIOCH

5. TOTAL CIRCUIT LENGTH (MILES)

25.62

6. CUSTOMER COUNT FOR THIS CIRCUIT

710

7.. DATE OF LAST CIRCUIT TRIM (VM)

2021

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	6%
2 Other Animal	
3 Trees	35%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	6%
10 Transformer	
11 Customer Wiring	6%
13 Squirrel	3%
14 Bird	
15 Major Storm	16%
16 Line Down	6%
17 Transformer Fuse Blown	10%
18 Line Fuse	3%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	6%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.460632946

10. REPORTING YEAR (SAIDI)

2.48641301

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.016075421

12. REPORTING YEAR (SAIFI)

0.017804453

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE SPRAYED 2022

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1504:

1. SUBSTATION NAME AND NUMBER

15/BRONSTON #1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2373 HWY 790, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

TATEVILLE / #1504

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SOUTH OF TOWARD TATEVILLE

5. TOTAL CIRCUIT LENGTH (MILES)

50.16

6. CUSTOMER COUNT FOR THIS CIRCUIT

1091

7.. DATE OF LAST CIRCUIT TRIM (VM)

2021

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	4%
2 Other Animal	
3 Trees	26%
4 Lightning	1%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	1%
10 Transformer	1%
11 Customer Wiring	
13 Squirrel	7%
14 Bird	1%
15 Major Storm	24%
16 Line Down	9%
17 Transformer Fuse Blown	14%
18 Line Fuse	7%
19 Broke Pole	
20 Wind	1%
21 Load	
22 Planned	1%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

5.461854295

10. REPORTING YEAR (SAIDI)

11.63116763

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.045397866

12. REPORTING YEAR (SAIFI)

0.103401126

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE SPRAYED 2022

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1505:

1. SUBSTATION NAME AND NUMBER

15/BRONSTON #2

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2373 HWY 790, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

WOODSON BEND / #1505

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS WOODSON BEND RESORT

5. TOTAL CIRCUIT LENGTH (MILES)

10.55

6. CUSTOMER COUNT FOR THIS CIRCUIT

649

7.. DATE OF LAST CIRCUIT TRIM (VM)

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	27%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	20%
14 Bird	
15 Major Storm	7%
16 Line Down	
17 Transformer Fuse Blown	40%
18 Line Fuse	7%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.10237568

10. REPORTING YEAR (SAIDI)

1.353265109

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.009727759

12. REPORTING YEAR (SAIFI)

0.011097198

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1506:

1. SUBSTATION NAME AND NUMBER

15/BRONSTON #2

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2373 HWY 790, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

KIDDER / #1506

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS HWY 790

5. TOTAL CIRCUIT LENGTH (MILES)

35.58

6. CUSTOMER COUNT FOR THIS CIRCUIT

660

7.. DATE OF LAST CIRCUIT TRIM (VM)

2021

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	2%
2 Other Animal	
3 Trees	37%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	2%
10 Transformer	5%
11 Customer Wiring	
13 Squirrel	7%
14 Bird	2%
15 Major Storm	15%
16 Line Down	7%
17 Transformer Fuse Blown	15%
18 Line Fuse	7%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

4.02182933

10. REPORTING YEAR (SAIDI)

7.706897007

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.028308657

12. REPORTING YEAR (SAIFI)

0.06531658

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE SPRAYED 2022

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1507:

1. SUBSTATION NAME AND NUMBER

15/BRONSTON #2

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2373 HWY 790, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

JACKSBORO / #1507

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS JACKSBORO RD TOWARD HWY 90

5. TOTAL CIRCUIT LENGTH (MILES)

32.45

6. CUSTOMER COUNT FOR THIS CIRCUIT

690

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS

NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	5%
2 Other Animal	
3 Trees	28%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	2%
11 Customer Wiring	
13 Squirrel	5%
14 Bird	14%
15 Major Storm	12%
16 Line Down	9%
17 Transformer Fuse Blown	19%
18 Line Fuse	
19 Broke Pole	5%
20 Wind	
21 Load	
22 Planned	2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.727634305

10. REPORTING YEAR (SAIDI)

4.632449827

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.016183266

12. REPORTING YEAR (SAIFI)

0.034889244

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1601:

1. SUBSTATION NAME AND NUMBER

16/MT. VICTORY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2444 Old Whitney Rd., Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

HWY 192 / #1601

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS MT. VICTORY AREA

5. TOTAL CIRCUIT LENGTH (MILES)

75.56

6. CUSTOMER COUNT FOR THIS CIRCUIT

797

7.. DATE OF LAST CIRCUIT TRIM (VM)

2013

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Defective Equipment	4%
Lighting	2%
Line Down	2%
Line Fuse	2%
Major Storm	21%
Squirrel	4%
Transformer Fuse Blown	21%
Trees	45%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

3.341409434

10. REPORTING YEAR (SAIDI)

5.240330613

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.024352998

12. REPORTING YEAR (SAIFI)

0.032327245

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1802:

1. SUBSTATION NAME AND NUMBER

18/PINE KNOT

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

245 Pine Tree Road, Pine Knot, KY 42635

3. CIRCUIT NAME AND NUMBER

EAST HWY 92 / #1802

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST ON HWY 92

5. TOTAL CIRCUIT LENGTH (MILES)

13.99

6. CUSTOMER COUNT FOR THIS CIRCUIT

395

7.. DATE OF LAST CIRCUIT TRIM (VM)

2017

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	6%
Broke Pole	6%
Defective Equipment	6%
Line Fuse	13%
Major Storm	6%
Transformer Fuse Blown	25%
Transformer	6%
Trees	31%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.73345055

10. REPORTING YEAR (SAIDI)

0.641460963

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.006472883

12. REPORTING YEAR (SAIFI)

0.009744232

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1805:

1. SUBSTATION NAME AND NUMBER

18/PINE KNOT

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

245 Pine Tree Road, Pine Knot, KY 42635

3. CIRCUIT NAME AND NUMBER

WHITLEY CITY / #1805

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD WHITLEY CITY

5. TOTAL CIRCUIT LENGTH (MILES)

9.77

6. CUSTOMER COUNT FOR THIS CIRCUIT

255

7.. DATE OF LAST CIRCUIT TRIM (VM)

2018

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Defective Equipment	8%
Line Fuse	8%
Major Storm	17%
Planned	8%
Squirrel	8%
Transformer Fuse Blown	8%
Transformer	8%
Trees	33%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.361233213

10. REPORTING YEAR (SAIDI)

0.319979753

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.002674462

12. REPORTING YEAR (SAIFI)

0.00296501

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2102:

1. SUBSTATION NAME AND NUMBER

21/WEST SOMERSET

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

160 Patterson Branch Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

WOODRIDGE / #2102

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST ON HWY 80

5. TOTAL CIRCUIT LENGTH (MILES)

26.46

6. CUSTOMER COUNT FOR THIS CIRCUIT

941

7.. DATE OF LAST CIRCUIT TRIM (VM)

2010

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	6%
Defective Equipment	3%
Line Down	3%
Line Fuse	3%
Major Storm	16%
Squirrel	13%
Transformer Fuse Blown	23%
Transformer	3%
Trees	26%
Unknown Cause	3%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.890390963

10. REPORTING YEAR (SAIDI)

1.428994487

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.015573651

12. REPORTING YEAR (SAIFI)

0.029865999

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2202:

1. SUBSTATION NAME AND NUMBER

22/SALEM

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

1313 S. Highway 76, Russell Springs, Ky 42642

3. CIRCUIT NAME AND NUMBER

TO ONO / #2202

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SOUTH ON HWY 76

5. TOTAL CIRCUIT LENGTH (MILES)

51.7

6. CUSTOMER COUNT FOR THIS CIRCUIT

708

7.. DATE OF LAST CIRCUIT TRIM (VM)

2010

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Broke Pole	5%
Defective Equipment	5%
Line Down	21%
Line Fuse	5%
Squirrel	5%
Transformer Fuse Blown	16%
Trees	32%
Unknown Cause	11%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.448527478

10. REPORTING YEAR (SAIDI)

0.575727219

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.006425911

12. REPORTING YEAR (SAIFI)

0.003238482

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2204:

1. SUBSTATION NAME AND NUMBER

22/SALEM

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

1313 S. Highway 76, Russell Springs, Ky 42642

3. CIRCUIT NAME AND NUMBER

SUPERIOR BATTERY / #2204

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SUPERIOR BATTERY

5. TOTAL CIRCUIT LENGTH (MILES)

3.58

6. CUSTOMER COUNT FOR THIS CIRCUIT

49

7.. DATE OF LAST CIRCUIT TRIM (VM)

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS

NUMBERS REPRESENTED BY EACH CAUSE

Bird	25%
Car Hit Pole	25%
Transformer Fuse Blown	25%
Trees	25%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.070978419

10. REPORTING YEAR (SAIDI)

0.019854532

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.000491844

12. REPORTING YEAR (SAIFI)

0.000676483

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2302:

1. SUBSTATION NAME AND NUMBER

23/CABIN HOLLOW

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

50 Commerce Lane, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

RUSH BRANCH / #2302

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS RUSH BRANCH RD.

5. TOTAL CIRCUIT LENGTH (MILES)

61.43

6. CUSTOMER COUNT FOR THIS CIRCUIT

774

7.. DATE OF LAST CIRCUIT TRIM (VM)

2014

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	37%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	3%
10 Transformer	
11 Customer Wiring	
13 Squirrel	4%
14 Bird	3%
15 Major Storm	12%
16 Line Down	7%
17 Transformer Fuse Blown	22%
18 Line Fuse	7%
19 Broke Pole	3%
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

410.437

10. REPORTING YEAR (SAIDI)

923.002

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.755

12. REPORTING YEAR (SAIFI)

4.558

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2022

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2402:

1. SUBSTATION NAME AND NUMBER

24/SOUTH FLOYD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

355 West Todd Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

TO BULL RD. / #2402

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS OLD BULL RD.

5. TOTAL CIRCUIT LENGTH (MILES)

28.89

6. CUSTOMER COUNT FOR THIS CIRCUIT

369

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	6%
Squirrel	6%
Transformer Fuse Blown	31%
Trees	50%
Unknown Cause	6%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.425753754

10. REPORTING YEAR (SAIDI)

0.581563683

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.004213912

12. REPORTING YEAR (SAIFI)

0.00650575

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2403:

1. SUBSTATION NAME AND NUMBER

24/SOUTH FLOYD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

355 West Todd Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

TO CIRCLEVILLE / #2403

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST ON HWY 635

5. TOTAL CIRCUIT LENGTH (MILES)

29.68

6. CUSTOMER COUNT FOR THIS CIRCUIT

598

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Other Animal	4%
Bird	14%
Car Hit Pole	4%
Customer Wiring	4%
Defective Equipment	7%
Line Down	7%
Major Storm	18%
Transformer Fuse Blown	18%
Trees	21%
Unknown Cause	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.325094551

10. REPORTING YEAR (SAIDI)

0.333269763

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.002832163

12. REPORTING YEAR (SAIFI)

0.003569527

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2404:

1. SUBSTATION NAME AND NUMBER

24/SOUTH FLOYD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

355 West Todd Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

MT ZION / #2404

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD MT ZION

5. TOTAL CIRCUIT LENGTH (MILES)

46.54

6. CUSTOMER COUNT FOR THIS CIRCUIT

772

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	4%
Customer Wiring	4%
Defective Equipment	4%
Line Down	9%
Major Storm	26%
Transformer Fuse Blown	35%
Trees	17%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.411941556

10. REPORTING YEAR (SAIDI)

0.323877206

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.003193747

12. REPORTING YEAR (SAIFI)

0.003411201

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2405:

1. SUBSTATION NAME AND NUMBER

24/SOUTH FLOYD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

355 West Todd Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

BUNCOMBE / #2405

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD BUNCOMBE

5. TOTAL CIRCUIT LENGTH (MILES)

44.86

6. CUSTOMER COUNT FOR THIS CIRCUIT

592

7.. DATE OF LAST CIRCUIT TRIM (VM)

2017 SPRAY

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	11%
Broke Pole	3%
Defective Equipment	3%
Line Down	14%
Major Storm	31%
Squirrel	3%
Transfomer Fuse Blown	14%
Trees	20%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.096336933

10. REPORTING YEAR (SAIDI)

1.924137244

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.013299804

12. REPORTING YEAR (SAIFI)

0.028325921

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2502:

1. SUBSTATION NAME AND NUMBER

25/SOUTH OAK HILL

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

78 Ferry Hill Drive, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

TO WADES WOODS / #2502

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS WADES WOODS SUBDIVISION

5. TOTAL CIRCUIT LENGTH (MILES)

27.43

6. CUSTOMER COUNT FOR THIS CIRCUIT

822

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Other Animal	3%
Bird	13%
Customer Wiring	3%
Defective Equipment	3%
Lighting	3%
Line Down	3%
Line Fuse	3%
Major Storm	19%
Planned	10%
Transfomer Fuse Blown	23%
Transmission/Power Supplier	3%
Trees	10%
Unknown Cause	3%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.522119011

10. REPORTING YEAR (SAIDI)

2.309059833

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.013893471

12. REPORTING YEAR (SAIFI)

0.034486233

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2503:

1. SUBSTATION NAME AND NUMBER

25/SOUTH OAK HILL

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

78 Ferry Hill Drive, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

TO PRATHER RD. / #2503

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS PRATHER RD.

5. TOTAL CIRCUIT LENGTH (MILES)

25.26

6. CUSTOMER COUNT FOR THIS CIRCUIT

902

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	8%
Customer Wiring	4%
Line Fuse	4%
Major Storm	23%
Planned	4%
Squirrel	8%
Transfomer Fuse Blown	27%
Transmission/Power Supplier	4%
Trees	19%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

3.940588934

10. REPORTING YEAR (SAIDI)

0.880693611

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.010341146

12. REPORTING YEAR (SAIFI)

0.017286296

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2504:

1. SUBSTATION NAME AND NUMBER

25/SOUTH OAK HILL

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

78 Ferry Hill Drive, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

TO HERALD PLANTATION / #2504

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS FERRY RD.

5. TOTAL CIRCUIT LENGTH (MILES)

7.91

6. CUSTOMER COUNT FOR THIS CIRCUIT

276

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	17%
Squirrel	17%
Transformer	17%
Transmission/Power Supplier	17%
Trees	33%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.314470685

10. REPORTING YEAR (SAIDI)

0.426110799

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.002439706

12. REPORTING YEAR (SAIFI)

0.004908099

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2505:

1. SUBSTATION NAME AND NUMBER

25/SOUTH OAK HILL

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

78 Ferry Hill Drive, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

LAKEWOOD HAVEN / #2505

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS FERRY RD.

5. TOTAL CIRCUIT LENGTH (MILES)

7.34

6. CUSTOMER COUNT FOR THIS CIRCUIT

376

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Other Animal	4%
Broke Pole	4%
Defective Equipment	4%
Lighting	4%
Line Fuse	7%
Major Storm	18%
Squirrel	11%
Transformer Fuse Blown	18%
Transmission/Power Supplier	4%
Trees	25%
Unknown Cause	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.669259573

10. REPORTING YEAR (SAIDI)

1.392328636

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.005369385

12. REPORTING YEAR (SAIFI)

0.011644141

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2602:

1. SUBSTATION NAME AND NUMBER
26/SNOW
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
2694 KY HWY 90 W, Albany, KY 42602
3. CIRCUIT NAME AND NUMBER
CAGLE PLANT / #2602
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
FEEDS CAGLE PLANT
5. TOTAL CIRCUIT LENGTH (MILES)
1.07
6. CUSTOMER COUNT FOR THIS CIRCUIT
6
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2014
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

SOURCE

100%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.000474402

10. REPORTING YEAR (SAIDI)

0.001810671

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.72719E-05

12. REPORTING YEAR (SAIFI)

2.87865E-05

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2603:

1. SUBSTATION NAME AND NUMBER
26/SNOW
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
2694 KY HWY 90 W, Albany, KY 42602
3. CIRCUIT NAME AND NUMBER
EAST HWY 90 / #2603
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
FEEDS EAST ON HWY 90
5. TOTAL CIRCUIT LENGTH (MILES)
4.94
6. CUSTOMER COUNT FOR THIS CIRCUIT
28
- 7.. DATE OF LAST CIRCUIT TRIM (VM)
2014
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

SOURCE

100%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.003948645

10. REPORTING YEAR (SAIDI)

0.019231304

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.000126661

12. REPORTING YEAR (SAIFI)

0.000316652

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2604:

1. SUBSTATION NAME AND NUMBER

26/SNOW

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2694 KY HWY 90 W, Albany, KY 42602

3. CIRCUIT NAME AND NUMBER

HWY 1590 / #2604

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS HWY 1590

5. TOTAL CIRCUIT LENGTH (MILES)

51.69

6. CUSTOMER COUNT FOR THIS CIRCUIT

668

7.. DATE OF LAST CIRCUIT TRIM (VM)

2014

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Broke Pole	5%
Line Down	5%
Major Storm	5%
Squirrel	11%
Transformer Fuse Blown	37%
Transmission/Power Supplier	5%
Trees	26%
Wind	5%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.21055018

10. REPORTING YEAR (SAIDI)

1.024599508

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.009848378

12. REPORTING YEAR (SAIFI)

0.011413849

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2702:

1. SUBSTATION NAME AND NUMBER

27/SLAT

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

101 Whispering Pines, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

PARNELL / #2702

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH ON HWY 92

5. TOTAL CIRCUIT LENGTH (MILES)

104.15

6. CUSTOMER COUNT FOR THIS CIRCUIT

1678

7.. DATE OF LAST CIRCUIT TRIM (VM)

2014

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Other Animal	1%
Bird	4%
Car Hit Pole	1%
Line Down	5%
Line Fuse	5%
Major Storm	27%
Planned	3%
Squirrel	4%
Transfomer Fuse Blown	16%
Trees	31%
Unknown Cause	1%
Wind	1%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

5.725087382

10. REPORTING YEAR (SAIDI)

5.512583061

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.065002533

12. REPORTING YEAR (SAIFI)

0.090922176

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2023

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2703:

1. SUBSTATION NAME AND NUMBER

27/SLAT

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

101 Whispering Pines, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

COFFEY MOUNTAIN / #2703

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS COFFEY MOUNTAIN

5. TOTAL CIRCUIT LENGTH (MILES)

55.21

6. CUSTOMER COUNT FOR THIS CIRCUIT

620

7.. DATE OF LAST CIRCUIT TRIM (VM)

2021

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	2%
Broke Pole	2%
Defective Equipment	6%
Lighting	2%
Line Fuse	4%
Major Storm	26%
Transformer Fuse Blown	20%
Trees	33%
Unknown Cause	2%
Wind	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

3.355986543

10. REPORTING YEAR (SAIDI)

8.794691769

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.030920534

12. REPORTING YEAR (SAIFI)

0.07470098

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE SPRAYED 2022

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2901:

1. SUBSTATION NAME AND NUMBER

29/CEMETERY ROAD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

43 Parson Road,Waynesburg, KY 40489

3. CIRCUIT NAME AND NUMBER

PARLOR GROVE / #2901

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS PARLOR GROVE ROAD

5. TOTAL CIRCUIT LENGTH (MILES)

59.87

6. CUSTOMER COUNT FOR THIS CIRCUIT

632

7.. DATE OF LAST CIRCUIT TRIM (VM)

2017

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	28%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	2%
9 Defective Equipment	
10 Transformer	2%
11 Customer Wiring	
13 Squirrel	7%
14 Bird	7%
15 Major Storm	26%
16 Line Down	6%
17 Transformer Fuse Blown	17%
18 Line Fuse	6%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.149194036

10. REPORTING YEAR (SAIDI)

4.240983107

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.014835108

12. REPORTING YEAR (SAIFI)

0.020726284

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2902:

1. SUBSTATION NAME AND NUMBER

29/CEMETERY ROAD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

43 Parson Road,Waynesburg, KY 40489

3. CIRCUIT NAME AND NUMBER

WAYNESBURG / #2902

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD WAYNESBURG

5. TOTAL CIRCUIT LENGTH (MILES)

49.72

6. CUSTOMER COUNT FOR THIS CIRCUIT

502

7.. DATE OF LAST CIRCUIT TRIM (VM)

2017

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	31%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	3%
9 Defective Equipment	6%
10 Transformer	3%
11 Customer Wiring	
13 Squirrel	6%
14 Bird	14%
15 Major Storm	14%
16 Line Down	3%
17 Transformer Fuse Blown	11%
18 Line Fuse	8%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	3%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.287814072

10. REPORTING YEAR (SAIDI)

3.591394274

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.016419398

12. REPORTING YEAR (SAIFI)

0.037551996

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3002:

1. SUBSTATION NAME AND NUMBER

30/JAMESTOWN

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

764 S. Main Street, Jamestown, KY 42629

3. CIRCUIT NAME AND NUMBER

MOORE SCHOOL ROAD / #3002

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS WEST TOWARD HWY 127

5. TOTAL CIRCUIT LENGTH (MILES)

25.82

6. CUSTOMER COUNT FOR THIS CIRCUIT

251

7.. DATE OF LAST CIRCUIT TRIM (VM)

2009

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	6%
2 Other Animal	
3 Trees	12%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	6%
10 Transformer	6%
11 Customer Wiring	
13 Squirrel	12%
14 Bird	6%
15 Major Storm	
16 Line Down	6%
17 Transformer Fuse Blown	35%
18 Line Fuse	12%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.207246362

10. REPORTING YEAR (SAIDI)

0.21938891

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.002054925

12. REPORTING YEAR (SAIFI)

0.002418066

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3005:

1. SUBSTATION NAME AND NUMBER

30/JAMESTOWN

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

764 S. Main Street, Jamestown, KY 42629

3. CIRCUIT NAME AND NUMBER

JAMESTOWN DOCK / #3005

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS JAMESTOWN DOCK

5. TOTAL CIRCUIT LENGTH (MILES)

20.52

6. CUSTOMER COUNT FOR THIS CIRCUIT

637

7.. DATE OF LAST CIRCUIT TRIM (VM)

2017

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	57%
4 Lightning	5%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	5%
10 Transformer	
11 Customer Wiring	
13 Squirrel	5%
14 Bird	5%
15 Major Storm	14%
16 Line Down	5%
17 Transformer Fuse Blown	
18 Line Fuse	
19 Broke Pole	
20 Wind	5%
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.576018467

10. REPORTING YEAR (SAIDI)

1.484548843

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.018546386

12. REPORTING YEAR (SAIFI)

0.025807102

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3103:

1. SUBSTATION NAME AND NUMBER

31/WIBORG

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

162 Beulah Heights Road, Whitley City, KY 42653

3. CIRCUIT NAME AND NUMBER

GREENWOOD / #3103

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH ON HWY 27

5. TOTAL CIRCUIT LENGTH (MILES)

119.16

6. CUSTOMER COUNT FOR THIS CIRCUIT

1889

7.. DATE OF LAST CIRCUIT TRIM (VM)

2017

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	1%
Broke Pole	2%
Customer Wiring	1%
Defective Equipment	4%
Lighting	1%
Line Down	18%
Line Fuse	1%
Major Storm	11%
Planned	2%
Squirrel	6%
Transformer Fuse Blown	9%
Transformer	1%
Trees	39%
Unknown Cause	4%
Wind	1%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

23.44297775

10. REPORTING YEAR (SAIDI)

22.96417711

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.152024623

12. REPORTING YEAR (SAIFI)

0.157260676

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3202:

1. SUBSTATION NAME AND NUMBER

32/NELSON VALLEY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

134 Stilesville Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

STILESVILLE RD. / #3202

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD STILESVILLE

5. TOTAL CIRCUIT LENGTH (MILES)

50.53

6. CUSTOMER COUNT FOR THIS CIRCUIT

772

7.. DATE OF LAST CIRCUIT TRIM (VM)

2014

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	6%
Lighting	6%
Line Down	9%
Line Fuse	12%
Major Storm	15%
Squirrel	3%
Transformer Fuse Blown	18%
Trees	30%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.247991935

10. REPORTING YEAR (SAIDI)

1.586535592

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.016165005

12. REPORTING YEAR (SAIFI)

0.0106654

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2023

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3204:

1. SUBSTATION NAME AND NUMBER

32/NELSON VALLEY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

134 Stilesville Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

EAGLES NEST / #3204

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH ON HWY 39

5. TOTAL CIRCUIT LENGTH (MILES)

14.92

6. CUSTOMER COUNT FOR THIS CIRCUIT

375

7.. DATE OF LAST CIRCUIT TRIM (VM)

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	6%
Line Down	9%
Line Fuse	6%
Major Storm	11%
Planned	3%
Squirrel	14%
Transformer Fuse Blown	34%
Trees	14%
Unknown Cause	3%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.658850504

10. REPORTING YEAR (SAIDI)

5.515368875

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.010178112

12. REPORTING YEAR (SAIFI)

0.018927127

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2023

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3205:

1. SUBSTATION NAME AND NUMBER

32/NELSON VALLEY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

134 Stilesville Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

RAINBOW TERRACE / #3205

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SOUTH ON HWY 39

5. TOTAL CIRCUIT LENGTH (MILES)

14.67

6. CUSTOMER COUNT FOR THIS CIRCUIT

370

7.. DATE OF LAST CIRCUIT TRIM (VM)

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS

NUMBERS REPRESENTED BY EACH CAUSE

Defective Equipment	6%
Lighting	13%
Line Down	13%
Major Storm	13%
Squirrel	6%
Transformer Fuse Blown	19%
Trees	19%
Unknown Cause	13%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.514010745

10. REPORTING YEAR (SAIDI)

0.921286421

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.007217768

12. REPORTING YEAR (SAIFI)

0.007211019

13. CORRECTIVE ACTION PLAN

CIRCUIT ROW TO BE CUT ON CIRCUIT BID 2023

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3304:

1. SUBSTATION NAME AND NUMBER

33/ZOLLICOFFER

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2675 HWY 235, Nancy, KY 42544

3. CIRCUIT NAME AND NUMBER

JOHN ANDY MEECE / #3304

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SOUTH ON HWY 235

5. TOTAL CIRCUIT LENGTH (MILES)

47.02

6. CUSTOMER COUNT FOR THIS CIRCUIT

704

7.. DATE OF LAST CIRCUIT TRIM (VM)

2019

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	7%
Broke Pole	7%
Defective Equipment	7%
Line Down	20%
Line Fuse	7%
Squirrel	7%
Transformer Fuse Blown	20%
Trees	27%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.160612663

10. REPORTING YEAR (SAIDI)

1.679225979

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.009770842

12. REPORTING YEAR (SAIFI)

0.006879975

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3402:

1. SUBSTATION NAME AND NUMBER

34/GAP OF RIDGE

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

71 Power Station Lane, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

CONLEY BOTTOM / #3402

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARD CONLEY BOTTOM DOCK

5. TOTAL CIRCUIT LENGTH (MILES)

41.65

6. CUSTOMER COUNT FOR THIS CIRCUIT

929

7.. DATE OF LAST CIRCUIT TRIM (VM)

2012

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	2%
2 Other Animal	
3 Trees	37%
4 Lightning	2%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	2%
13 Squirrel	10%
14 Bird	2%
15 Major Storm	16%
16 Line Down	4%
17 Transformer Fuse Blown	18%
18 Line Fuse	2%
19 Broke Pole	4%
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

3.155539308

10. REPORTING YEAR (SAIDI)

5.635406202

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.029043156

12. REPORTING YEAR (SAIFI)

0.034759705

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3405:

1. SUBSTATION NAME AND NUMBER

34/GAP OF RIDGE

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

71 Power Station Lane, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

BETSY / #3405

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST ON HWY 90

5. TOTAL CIRCUIT LENGTH (MILES)

74.13

6. CUSTOMER COUNT FOR THIS CIRCUIT

931

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	2%
2 Other Animal	2%
3 Trees	38%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	2%
10 Transformer	2%
11 Customer Wiring	
13 Squirrel	2%
14 Bird	7%
15 Major Storm	11%
16 Line Down	4%
17 Transformer Fuse Blown	21%
18 Line Fuse	9%
19 Broke Pole	
20 Wind	2%
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

3.622973369

10. REPORTING YEAR (SAIDI)

2.525500525

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.025878994

12. REPORTING YEAR (SAIFI)

0.034241548

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3502:

1. SUBSTATION NAME AND NUMBER

35/UPCHURCH

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

594 Wray Ridge Road, Albany, KY 42602

3. CIRCUIT NAME AND NUMBER

CLINTON CO INDUSTRIAL PARK / #3502

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST ON HWY 90

5. TOTAL CIRCUIT LENGTH (MILES)

74.53

6. CUSTOMER COUNT FOR THIS CIRCUIT

973

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	12%
Customer Wiring	2%
Defective Equipment	3%
Lighting	2%
Line Down	2%
Line Fuse	5%
Major Storm	12%
Planned	2%
Squirrel	7%
Transformer Fuse Blown	25%
Transformer	2%
Transmission/Power Supplier	2%
Trees	24%
Unknown Cause	2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.059506801

10. REPORTING YEAR (SAIDI)

4.447881073

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.024128938

12. REPORTING YEAR (SAIFI)

0.058422212

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3503:

1. SUBSTATION NAME AND NUMBER

35/UPCHURCH

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

594 Wray Ridge Road, Albany, KY 42602

3. CIRCUIT NAME AND NUMBER

MT. VIEW PARK / #3503

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SOUTH WEST TOWARD HWY 127

5. TOTAL CIRCUIT LENGTH (MILES)

26.81

6. CUSTOMER COUNT FOR THIS CIRCUIT

369

7.. DATE OF LAST CIRCUIT TRIM (VM)

2015

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Line Down	6%
Major Storm	12%
Planned	18%
Transformer Fuse Blown	47%
Transmission/Power Supplier	6%
Trees	6%
Unknown Cause	6%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.400792921

10. REPORTING YEAR (SAIDI)

0.761682523

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.005724422

12. REPORTING YEAR (SAIFI)

0.010564647

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3504:

1. SUBSTATION NAME AND NUMBER

35/UPCHURCH

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

594 Wray Ridge Road, Albany, KY 42602

3. CIRCUIT NAME AND NUMBER

GRIDER HILL DOCK / #3504

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS GRIDER HILL DOCK

5. TOTAL CIRCUIT LENGTH (MILES)

86.25

6. CUSTOMER COUNT FOR THIS CIRCUIT

1230

7.. DATE OF LAST CIRCUIT TRIM (VM)

2013

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Broke Pole	4%
Defective Equipment	2%
Lighting	4%
Line Down	8%
Line Fuse	4%
Major Storm	13%
Squirrel	4%
Transformer Fuse Blown	8%
Transformer	2%
Transmission/Power Supplier	2%
Trees	46%
Unknown Cause	2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

5.730677706

10. REPORTING YEAR (SAIDI)

8.626397225

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.039138374

12. REPORTING YEAR (SAIFI)

0.060149402

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3601:

1. SUBSTATION NAME AND NUMBER

36/WEBBS CROSSROADS

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2925 N. Highway 127, Russell Springs, KY 42642

3. CIRCUIT NAME AND NUMBER

DECATUR / #3601

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH HWY 127

5. TOTAL CIRCUIT LENGTH (MILES)

28.06

6. CUSTOMER COUNT FOR THIS CIRCUIT

347

7.. DATE OF LAST CIRCUIT TRIM (VM)

2014

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	5%
Customer Wiring	5%
Defective Equipment	29%
Line Down	5%
Squirrel	10%
Transformer Fuse Blown	33%
Transformer	5%
Trees	10%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.221339233

10. REPORTING YEAR (SAIDI)

0.106781621

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.004293676

12. REPORTING YEAR (SAIFI)

0.00893821

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3602:

1. SUBSTATION NAME AND NUMBER

36/WEBBS CROSSROADS

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2925 N. Highway 127, Russell Springs, KY 42642

3. CIRCUIT NAME AND NUMBER

EAST HWY 76 / #3602

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS HWY 76

5. TOTAL CIRCUIT LENGTH (MILES)

19.12

6. CUSTOMER COUNT FOR THIS CIRCUIT

315

7.. DATE OF LAST CIRCUIT TRIM (VM)

2014

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	6%
Defective Equipment	12%
Squirrel	6%
Transformer Fuse Blown	35%
Trees	41%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.429210856

10. REPORTING YEAR (SAIDI)

0.570574914

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.005064162

12. REPORTING YEAR (SAIFI)

0.007455705

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3603:

1. SUBSTATION NAME AND NUMBER

36/WEBBS CROSSROADS

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

2925 N. Highway 127, Russell Springs, KY 42642

3. CIRCUIT NAME AND NUMBER

OWENSTOWN SCHOOL RD. / #3603

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SOUTH ON 127

5. TOTAL CIRCUIT LENGTH (MILES)

27.56

6. CUSTOMER COUNT FOR THIS CIRCUIT

674

7.. DATE OF LAST CIRCUIT TRIM (VM)

2014

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	15%
Defective Equipment	8%
Line Down	8%
Squirrel	15%
Transformer Fuse Blown	15%
Trees	38%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.693553051

10. REPORTING YEAR (SAIDI)

8.00588828

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.00412648

12. REPORTING YEAR (SAIFI)

0.011874433

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3702:

1. SUBSTATION NAME AND NUMBER

37/WOODSTOCK

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

12472 HWY. 39, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

OCALE RD. / #3702

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS SOUTH ON HWY 39

5. TOTAL CIRCUIT LENGTH (MILES)

45.64

6. CUSTOMER COUNT FOR THIS CIRCUIT

636

7.. DATE OF LAST CIRCUIT TRIM (VM)

2013

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	8%
Broke Pole	5%
Lighting	3%
Line Down	5%
Line Fuse	8%
Major Storm	20%
Squirrel	5%
Transformer Fuse Blown	28%
Transformer	5%
Trees	15%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

3.03904268

10. REPORTING YEAR (SAIDI)

4.394864727

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.015231007

12. REPORTING YEAR (SAIFI)

0.012579703

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3704:

1. SUBSTATION NAME AND NUMBER

37/WOODSTOCK

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

12472 HWY. 39, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

BANDY / #3704

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH HWY 39

5. TOTAL CIRCUIT LENGTH (MILES)

92.47

6. CUSTOMER COUNT FOR THIS CIRCUIT

1068

7.. DATE OF LAST CIRCUIT TRIM (VM)

2013

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

Bird	9%
Car Hit Pole	5%
Defective Equipment	5%
Lighting	5%
Line Down	5%
Major Storm	16%
Planned	5%
Squirrel	2%
Transfomer Fuse Blown	11%
Transformer	2%
Trees	34%
Unknown Cause	2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

7.995193548

10. REPORTING YEAR (SAIDI)

8.751921739

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.037618496

12. REPORTING YEAR (SAIFI)

0.03739367

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3801:

1. SUBSTATION NAME AND NUMBER

38/HOMESTEAD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

93 Rankin Street, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

BELDENS / #3801

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS OLD BELDENS PLANT

5. TOTAL CIRCUIT LENGTH (MILES)

13.69

6. CUSTOMER COUNT FOR THIS CIRCUIT

1003

7.. DATE OF LAST CIRCUIT TRIM (VM)

2012

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	38%
4 Lightning	6%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	6%
11 Customer Wiring	
13 Squirrel	6%
14 Bird	
15 Major Storm	13%
16 Line Down	
17 Transformer Fuse Blown	25%
18 Line Fuse	6%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.170885735

10. REPORTING YEAR (SAIDI)

3.218931445

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.016413644

12. REPORTING YEAR (SAIFI)

0.031319717

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3803:

1. SUBSTATION NAME AND NUMBER

38/HOMESTEAD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

93 Rankin Street, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

OLD NORTH HWY 90 / #3803

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH EAST ON OLD HWY 90

5. TOTAL CIRCUIT LENGTH (MILES)

9.91

6. CUSTOMER COUNT FOR THIS CIRCUIT

451

7.. DATE OF LAST CIRCUIT TRIM (VM)

2020

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	9%
2 Other Animal	
3 Trees	9%
4 Lightning	9%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	18%
10 Transformer	
11 Customer Wiring	
13 Squirrel	
14 Bird	
15 Major Storm	9%
16 Line Down	18%
17 Transformer Fuse Blown	18%
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	9%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.215429255

10. REPORTING YEAR (SAIDI)

0.597595847

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.003945169

12. REPORTING YEAR (SAIFI)

0.006851188

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3902:

1. SUBSTATION NAME AND NUMBER

39/JABEZ

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

57 Red Oak Drive, Nancy, KY 42544

3. CIRCUIT NAME AND NUMBER

4H CAMP / #3902

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS TOWARDS THE 4H CAMP ON SOUTH HWY 196

5. TOTAL CIRCUIT LENGTH (MILES)

26.92

6. CUSTOMER COUNT FOR THIS CIRCUIT

334

7.. DATE OF LAST CIRCUIT TRIM (VM)

2018

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	29%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	6%
10 Transformer	
11 Customer Wiring	
13 Squirrel	
14 Bird	6%
15 Major Storm	24%
16 Line Down	12%
17 Transformer Fuse Blown	
18 Line Fuse	12%
19 Broke Pole	6%
20 Wind	
21 Load	
22 Planned	6%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1.76773204

10. REPORTING YEAR (SAIDI)

4.63052377

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.006259292

12. REPORTING YEAR (SAIFI)

0.014407646

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3903:

1. SUBSTATION NAME AND NUMBER

39/JABEZ

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

57 Red Oak Drive, Nancy, KY 42544

3. CIRCUIT NAME AND NUMBER

CHEROKEE / #3903

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS NORTH EAST ON HWY 196

5. TOTAL CIRCUIT LENGTH (MILES)

35.04

6. CUSTOMER COUNT FOR THIS CIRCUIT

824

7.. DATE OF LAST CIRCUIT TRIM (VM)

2018

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	6%
2 Other Animal	
3 Trees	40%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	3%
11 Customer Wiring	
13 Squirrel	9%
14 Bird	3%
15 Major Storm	
16 Line Down	17%
17 Transformer Fuse Blown	3%
18 Line Fuse	11%
19 Broke Pole	
20 Wind	3%
21 Load	
22 Planned	6%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

9.214750401

10. REPORTING YEAR (SAIDI)

15.50935897

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.037118409

12. REPORTING YEAR (SAIFI)

0.060408481

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3904:

1. SUBSTATION NAME AND NUMBER

39/JABEZ

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

57 Red Oak Drive, Nancy, KY 42544

3. CIRCUIT NAME AND NUMBER

COOKS CHAPEL / #3904

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST HWY 196

5. TOTAL CIRCUIT LENGTH (MILES)

42

6. CUSTOMER COUNT FOR THIS CIRCUIT

817

7.. DATE OF LAST CIRCUIT TRIM (VM)

2019

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	15%
4 Lightning	3%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	3%
10 Transformer	
11 Customer Wiring	
13 Squirrel	3%
14 Bird	3%
15 Major Storm	21%
16 Line Down	6%
17 Transformer Fuse Blown	18%
18 Line Fuse	27%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

4.644228953

10. REPORTING YEAR (SAIDI)

3.440799113

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.022169565

12. REPORTING YEAR (SAIFI)

0.022784519

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #4004:

1. SUBSTATION NAME AND NUMBER

40/GREGORY ROAD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

5540 HWY 776, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

ELK RIDGE / #4004

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS WEST ON HWY 776

5. TOTAL CIRCUIT LENGTH (MILES)

21.79

6. CUSTOMER COUNT FOR THIS CIRCUIT

299

7.. DATE OF LAST CIRCUIT TRIM (VM)

2021

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	
2 Other Animal	
3 Trees	33%
4 Lightning	
5 Car Hit Pole	4%
6 SOURCE	
9 Defective Equipment	4%
10 Transformer	
11 Customer Wiring	
13 Squirrel	4%
14 Bird	7%
15 Major Storm	26%
16 Line Down	7%
17 Transformer Fuse Blown	15%
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

0.898613383

10. REPORTING YEAR (SAIDI)

1.951379593

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.011599345

12. REPORTING YEAR (SAIFI)

0.034543806

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE SPRAYED 2022

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #4005:

1. SUBSTATION NAME AND NUMBER

40/GREGORY ROAD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

5540 HWY 776, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

DELTA / #4005

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)

FEEDS EAST HWY 790

5. TOTAL CIRCUIT LENGTH (MILES)

83.51

6. CUSTOMER COUNT FOR THIS CIRCUIT

513

7.. DATE OF LAST CIRCUIT TRIM (VM)

2012

8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS
NUMBERS REPRESENTED BY EACH CAUSE

1 Unknown Cause	2%
2 Other Animal	
3 Trees	38%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	3%
10 Transformer	2%
11 Customer Wiring	
13 Squirrel	5%
14 Bird	
15 Major Storm	18%
16 Line Down	8%
17 Transformer Fuse Blown	18%
18 Line Fuse	3%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	3%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

2.123378803

10. REPORTING YEAR (SAIDI)

4.6593856

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.017021745

12. REPORTING YEAR (SAIFI)

0.040070815

13. CORRECTIVE ACTION PLAN

CIRCUIT WILL BE CONSIDERED FOR ROW INSPECTION AND/OR CONSIDERED FOR FUTURE DA

South Kentucky R.E.C.C. Vegetation Management Plan

Our number one goal as an electric cooperative is to provide safe, reliable and economical electrical service to our members. Achieving this goal includes a number of programs and procedures by SKRECC. Right of Way (ROW) programs and procedures are a critical support functions to SKRECC's mission. Cutting new ROW for construction of new distribution lines and maintaining those ROWs are mission critical. We cut and clear ROWs for the safety of the public and SKRECC employees, to minimize the opportunity for trees falling into our power lines which are one of the most frequent cause for outages, for access to enable our crews to find and repair damaged areas more quickly, and to prevent trees from growing into the power lines which can create a hazardous energized tree or power blinks.

The Vegetation Management Plan is intended to be a guide to the policies and procedures that South Kentucky Rural Electric Cooperative Corporation (SKRECC) are putting in place to address the many Right of Way (ROW) issues that we encounter on an almost daily basis. Communication of this Plan to our Members, Management, and Employees is an important part of the open relationship we feel to be of the utmost importance.

The diversity of the terrain along with the diversity of the development and land use within our service territory requires SKRECC to use a variety of methods and practices to provide a ROW plan that meets the needs of the cooperative and its members. These methods include mechanical cutting, trimming, bush hogging and both low volume and high volume spraying or a combination of methods.

SKRECC members understand and accept vegetation management as a necessary task to keep the lights on, but there are always cases where our responsibility to trim trees, remove vegetation or spray brush creates conflict with members that object for some reason. This is a very common issue with all electrical utilities and one the we have experienced from our founding in 1938.

The goals of this Vegetation Management Plan are to communicate our needs to control vegetation, communicate our policies and procedures on how we accomplish that task, and the importance of each members concerns.

Powerline Tree Trimming

Many power outages are caused by trees growing into the power lines. Providing quality power to our members requires that we maintain our powerline Right of Ways. Tree removal, trimming, and cutting brush, is an expensive process. In order to lessen costs and decrease outages and other negative power issues, we are introducing modern power line trimming techniques, directional trimming, that have been developed that result in healthier, safer trees. However, they make the tree look much different than it would if traditional techniques are used.

ROW Cutting and Maintenance

In preparing new ROW, vegetation will need to be cut to a specific width, depending on the type of line being built. A single-phase line requires a 30 ft. total width, 15 ft on each of the centerline, a 2 or 3 phase line requires a 45 ft width, 22.5 ft on each side of the centerline. Any trees, saplings, etc. growing within these distances will need to be cleared to provide present and future line clearance and proper ground access to the lines and equipment.

As in cutting new ROW, maintaining that area is equally important for the identical reasons. Trees fronting each side of the ROW shall be trimmed symmetrically unless otherwise specified. Dead trees beyond the ROW that would strike the line in falling shall be removed, leaning trees beyond the ROW which would strike the line in falling shall either be topped beyond the line striking level or removed.

South Kentucky R.E.C.C.

Vegetation Management Plan

Overhead Service and Secondary Lines

Overhead service lines-are the coated conductors that run between the transformer and an outdoor light or the weather head on a structure or meter pole. These coated lines are energized at a lower voltage and are less sensitive to contact from vegetation than the uncoated high voltage primary conductors. Due to this coating, limbs occasionally “bumping” these lines will not result in power quality issues, but if the limb lays on the line it will rub the protective cover and cause power quality issues. These service lines typically run through yards and spaces near the member being served.

Secondary lines- are typically bare conductors that run for longer distances than service lines. The service and secondary conductor ROW is trimmed generously during initial installation, but over time are affected by tree or brush growth that is the responsibility of the property owner, either through failing to trim or by planting vegetation near or under those lines.

New ROW for service lines or secondary lines are cut with a minimum of 5 ft. clearance on each side, which includes trimming or cutting down trees.

It is the policy of SKRECC to trim or cut the tree if there is immediate danger to the service or secondary conductors and attachment points, or if there is significant contact with limbs and the service or secondary conductors. The disposition of any tree cut or trimmed branches and brush are the responsibility of the member.

If the tree is not an immediate danger to the line or attachment points, SKRECC will aid any tree cutter in the felling of the tree by disconnecting the service conductor to allow the tree to be cut without affecting the conductor, replacing that conductor when the tree is on the ground and it is safe for the conductor connection to be restored.

Any tree or vegetation that presents a hazard to any SKRECC service pole will be cut by SKRECC or it's contractor representative and left for member clean up.

Overhead Distribution Lines

Overhead distribution lines are the bare wires that bring high voltage power from the substation to the transformers where it is reduced to normal voltages for use in homes, businesses, barns, etc. This voltage is very dangerous and deadly. For safety and line integrity, cutouts and breakers sectionalize the circuit to localize any line integrity issues that may arise. The sensitivity of these interrupters is such that voltages can escape through vegetation and become a safety hazard to people and animals if in contact with the vegetation. Dead and dying trees and limbs, along with trees blown over by winds, touching the lines causing outages are also distribution line events. Adequate ROW cutting and trimming is a must to supply safe and reliable power.

Distribution Line ROWs are cut according to the line type. A single-phase line (1 conductor on top, 1 underneath) is cut and maintained with a minimum distance of 15' on each side of the centerline, 30' total. Two or three phase lines (2 or 3 conductors on top, one underneath) are cut with a minimum distance of 22.5' on each side of the centerline with a minimum of 45' total. Double circuit lines (2 sets of 3 conductors on top, 1 underneath) are cut with the same specs as a three-phase line. Maintenance of ROW requires that any tree that falls within those parameters be trimmed utilizing directional trimming.

South Kentucky R.E.C.C. Vegetation Management Plan

New right of ways are clear-cut at the time of installation, but the below methods are needed to maintain existing rights of way when tree removal is not possible.

Directional Trimming

Directional trimming is an alternative that leaves the tree healthier and will result in reduced line trimming costs. In directional trimming, only branches that grow towards the lines are trimmed. Branches that are growing out and away from the lines are left alone to continue growth. Also, no stubs are left to foster regrowth as the trimming is at another branch or crotch. These cuts heal well and minimize sprouting and decay when properly made.

Trees that are pruned with this method do not have the familiar shape. These trees will have a “V” shape if the lines are directly overhead or a “L” shape if the lines are to one side. Though this may appear to create an unbalanced look or weak looking crown, the healthy tree will grow to correct any lack of balance compared to topping the tree. Trees cut with this method has many advantages over topping. It leaves the tree nearly as healthy as before it was trimmed, the tree will not need to be trimmed as often as there are less sprouts growing towards the lines. This method also saves the Co-op expense by reducing trimming times and reducing the number of “wounds” to the tree that heal much better. This method also works well on young trees, allowing the crown to grow while removing just those branches growing towards the lines.

Spreading crown trees benefit the most from this technique of pruning, Conifers and other strong central leader trees are more difficult to trim with this method. Directional tree trimming does not solve all of the line clearance problems, it does not work well on older trees that have had many trimmings or have central leaders like conifers and lombardy poplars. In these situations, continued “flat topping” and tree growth regulator treatment may be used. However, tree removal and replacement is preferable to the Co-op and may be very acceptable to the owner.

Flat Topping

Topping is a traditional method of trimming that has been used to clear tree branches from the lines. It involves “flat topping” the tree at a certain level below the power lines, usually below the attachment point of the phone lines. This is a method that can be fairly quick; however, it leaves many stubs that can have a quick regrowth of the sprouts back into the lines. If this topping method is used, a growth inhibitor should be used to slow down that regrowth so that the tree would not require another trimming until the next circuit trimming cycle.

Trees Growth Regulators

In order to maintain different species of trees on a circuit within a specified ROW maintenance cycle, a tree growth regulator or inhibitor may be used. Typically, these trees are yard trees that have been planted so that their growth intrudes on the ROW distances of the power lines. Tree Growth Regulator or TGR is not a herbicide, it’s use is actually beneficial for trees by decreasing the amount of woody growth, TGR promotes an increased root density, improved drought and heat resistance, and higher tolerance to insects and diseases. The TGR is injected into the soil around the base of the tree where it is readily absorbed by the roots, and it has a low mobility in the soil to maintain the integrity of ground water.

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Herbicides

SKRECC may utilize herbicides in maintenance of its Right of Ways. Although heavy vegetation growth in our Right of Ways sometimes requires bush hogging or manual cutting of the growths, this is an expensive and time-consuming solution to clearing and/or keeping those ROWs clear. Mechanical or manual cutting and clearing have several undesirable results. Rapid regrowth often results in greater stem numbers and desirable vegetation is cut as well. Applying herbicides within correct time periods after cutting can decrease or eliminate future mechanical or manual cutting, and herbicide applicators can target undesirable species, leaving grasses and desirable plants to grow.