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PUBLIC SERVICE
COMMISSION

April 22, 2021

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 black ink that reads 'Kevin Newton'.

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

KN:jcg

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	2020
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SECTION 3: MAJOR EVENT DAYS (MED)

T_{MED}	22.619
FIRST DATE USED TO DETERMINE T_{MED}	1/1/2020
LAST DATE USED TO DETERMINE T_{MED}	12/31/2020
NUMBER OF MED IN REPORT YEAR	2

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	69987	TOTAL CIRCUITS	143
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Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	222.20	SAIDI	270.15
SAIFI	1.9699	SAIFI	2.051

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	345.2568	SAIDI	378.6
SAIFI	2.2139	SAIFI	2.3479

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}

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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 - 2020"**

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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 2019, approximately 67 circuits, 47% of our feeders exceeded their 5 year SAIDI & SAIFI average. This is an improvement from our 2019 statistics that indicated 58% of feeders exceeding their average. Even with this improvement, we plan to review our circuit trimming list for 2021/2022 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.

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date	System Customers	cons min/day	SAIDI	Ln(SAIDI)		
1/1/2020	69477	699.2	0.010064	-4.59881	22.61	2020
1/10/2020	69477	97004.76667	1.396214	0.333764	35.15	2016
1/11/2020	69477	7344537.517	105.7118	4.660716	66.74	2017
1/12/2020	69477	482813.7	6.949259	1.938635	24.66	2018
1/13/2020	69477	5779.083333	0.08318	-2.48675	25.91	2019
1/14/2020	69477	24056.53333	0.346252	-1.06059	175.07	
1/15/2020	69477	257.8666666	0.003712	-5.59631	35.014	Avg.
1/16/2020	69477	4035.116667	0.058078	-2.84596		
1/17/2020	69477	4302.6	0.061928	-2.78178		
1/18/2020	69477	38500.48333	0.554147	-0.59032		
1/19/2020	69477	8302.566666	0.119501	-2.12443		
1/2/2020	69477	30035.66667	0.432311	-0.83861		
1/20/2020	69477	59104.35	0.850704	-0.16169		
1/21/2020	69477	73.28333333	0.001055	-6.85442		
1/22/2020	69477	52748.76667	0.759226	-0.27546		
1/23/2020	69477	3995.883333	0.057514	-2.85573		
1/24/2020	69477	282.9666667	0.004073	-5.50342		
1/25/2020	69477	4335.25	0.062398	-2.77422		
1/26/2020	69477	2318.75	0.033374	-3.39997		
1/27/2020	69477	146466.8667	2.108135	0.745803		
1/28/2020	69477	29370.96666	0.422744	-0.86099		
1/29/2020	69477	244.0333333	0.003512	-5.65145		
1/3/2020	69477	5870.75	0.084499	-2.47101		
1/30/2020	69477	2265	0.032601	-3.42342		
1/31/2020	69477	3717.383333	0.053505	-2.92798		
1/4/2020	69477	16434.13333	0.236541	-1.44164		
1/5/2020	69477	86.16666667	0.00124	-6.69247		
1/6/2020	69477	1434.5	0.020647	-3.88018		
1/7/2020	69477	126.1333334	0.001815	-6.31141		
1/8/2020	69477	13715.06667	0.197404	-1.6225		
1/9/2020	69477	10225.86667	0.147183	-1.91608		
10/1/2020	69477	1440.366667	0.020732	-3.8761		
10/10/2020	69477	5929.800001	0.085349	-2.46101		
10/11/2020	69477	24771.05	0.356536	-1.03132		
10/12/2020	69477	58889.13333	0.847606	-0.16534		
10/13/2020	69477	4130.15	0.059446	-2.82268		
10/14/2020	69477	2748.683333	0.039562	-3.22987		
10/16/2020	69477	226.2	0.003256	-5.72733		
10/17/2020	69477	374.15	0.005385	-5.22409		
10/18/2020	69477	191815.7167	2.760852	1.015539		
10/19/2020	69477	624095.1167	8.982759	2.195307		
10/2/2020	69477	3466.833333	0.049899	-2.99775		
10/20/2020	69477	140.25	0.002019	-6.20532		
10/21/2020	69477	2282.033333	0.032846	-3.41593		
10/22/2020	69477	639.15	0.009199	-4.68861		
10/23/2020	69477	86535.96667	1.245534	0.219564		
10/24/2020	69477	39640.78333	0.57056	-0.56114		
10/25/2020	69477	51.31666667	0.000739	-7.21074		
10/26/2020	69477	1862	0.0268	-3.61934		
10/27/2020	69477	3546.583333	0.051047	-2.97501		
10/28/2020	69477	55824.76667	0.8035	-0.21878		
10/29/2020	69477	44121.71667	0.635055	-0.45404		
10/3/2020	69477	3997.3	0.057534	-2.85538		
10/30/2020	69477	21241.16667	0.305729	-1.18505		
10/31/2020	69477	2593.333333	0.037327	-3.28805		
10/4/2020	69477	129.6833333	0.001867	-6.28366		
10/5/2020	69477	11068.1	0.159306	-1.83693		
10/6/2020	69477	2653.633333	0.038194	-3.26507		
10/7/2020	69477	917.9666667	0.013213	-4.32659		
10/8/2020	69477	4234.783331	0.060952	-2.79766		
10/9/2020	69477	1521.55	0.0219	-3.82127		

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date	System Customers	cons min/day	SAIDI	Ln(SAIDI)
11/1/2020	69477	1259651.883	18.13049	2.897595
11/10/2020	69477	7225.783333	0.104003	-2.26334
11/11/2020	69477	5439.45	0.078291	-2.54732
11/12/2020	69477	8110.649999	0.116739	-2.14782
11/13/2020	69477	5763.3	0.082953	-2.48949
11/14/2020	69477	193.5666667	0.002786	-5.88313
11/15/2020	69477	1287145.733	18.52621	2.919187
11/16/2020	69477	1677.6	0.024146	-3.72363
11/17/2020	69477	3342.3	0.048107	-3.03434
11/18/2020	69477	2101.55	0.030248	-3.49832
11/19/2020	69477	1696.933333	0.024424	-3.71217
11/2/2020	69477	9911.683334	0.142661	-1.94728
11/20/2020	69477	45.43333333	0.000654	-7.3325
11/21/2020	69477	48757.43333	0.701778	-0.35414
11/22/2020	69477	269783.6667	3.883064	1.356625
11/23/2020	69477	8139.299998	0.117151	-2.14429
11/24/2020	69477	8288.983333	0.119305	-2.12607
11/25/2020	69477	5028.533333	0.072377	-2.62587
11/26/2020	69477	4747.016667	0.068325	-2.68348
11/27/2020	69477	3528.883333	0.050792	-2.98001
11/28/2020	69477	242874.85	3.495759	1.251551
11/29/2020	69477	770.2500001	0.011086	-4.50204
11/3/2020	69477	552.1	0.007947	-4.83502
11/30/2020	69477	111012.0333	1.597824	0.468643
11/4/2020	69477	1626.216667	0.023407	-3.75474
11/5/2020	69477	999.4333336	0.014385	-4.24156
11/6/2020	69477	20941.1	0.301411	-1.19928
11/7/2020	69477	76.56666667	0.001102	-6.81059
11/8/2020	69477	745.6666667	0.010733	-4.53447
11/9/2020	69477	2544.8	0.036628	-3.30694
12/1/2020	69477	2038.15	0.029336	-3.52895
12/10/2020	69477	5943.666666	0.085549	-2.45867
12/12/2020	69477	48.23333333	0.000694	-7.2727
12/13/2020	69477	30196.46667	0.434625	-0.83327
12/14/2020	69477	25590.16667	0.368326	-0.99879
12/15/2020	69477	25782.48333	0.371094	-0.9913
12/16/2020	69477	44416.3	0.639295	-0.44739
12/17/2020	69477	573.4833333	0.008254	-4.79702
12/18/2020	69477	2987.733333	0.043003	-3.14648
12/19/2020	69477	11175.53333	0.160852	-1.82727
12/2/2020	69477	18713.35	0.269346	-1.31176
12/20/2020	69477	93.23333333	0.001342	-6.61365
12/21/2020	69477	203	0.002922	-5.83555
12/22/2020	69477	4904.333333	0.070589	-2.65088
12/23/2020	69477	7997.25	0.115106	-2.1619
12/24/2020	69477	26207.9	0.377217	-0.97493
12/25/2020	69477	1942.983333	0.027966	-3.57677
12/26/2020	69477	15176.68333	0.218442	-1.52124
12/27/2020	69477	292.8	0.004214	-5.46926
12/28/2020	69477	2026.833333	0.029173	-3.53452
12/29/2020	69477	4656.966667	0.067029	-2.70263
12/3/2020	69477	571.8333333	0.008231	-4.7999
12/30/2020	69477	14284.35	0.205598	-1.58183
12/31/2020	69477	11330.33333	0.16308	-1.81351
12/4/2020	69477	6412.75	0.0923	-2.38271
12/5/2020	69477	124.6166667	0.001794	-6.32351
12/6/2020	69477	25890.15	0.372643	-0.98713
12/7/2020	69477	1091.166667	0.015705	-4.15375
12/8/2020	69477	1195.666667	0.01721	-4.06229
12/9/2020	69477	7964.75	0.114639	-2.16597
2/1/2020	69477	129.7	0.001867	-6.28353

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System				
date	Customers	cons min/day	SAIDI	Ln(SAIDI)
2/10/2020	69477	268.8333333	0.003869	-5.55466
2/11/2020	69477	37647.06667	0.541864	-0.61274
2/12/2020	69477	72099.88334	1.037752	0.037057
2/14/2020	69477	28645.81667	0.412306	-0.88599
2/15/2020	69477	296.05	0.004261	-5.45822
2/16/2020	69477	7440.633334	0.107095	-2.23404
2/17/2020	69477	2064.566667	0.029716	-3.51608
2/18/2020	69477	5750.3	0.082766	-2.49174
2/19/2020	69477	25998.08333	0.374197	-0.98297
2/2/2020	69477	9260.25	0.133285	-2.01526
2/20/2020	69477	62939.1	0.905898	-0.09883
2/21/2020	69477	35.63333333	0.000513	-7.57547
2/22/2020	69477	25825.8	0.371717	-0.98962
2/23/2020	69477	399.6	0.005752	-5.15829
2/24/2020	69477	2082.183333	0.029969	-3.50758
2/25/2020	69477	3419.783333	0.049222	-3.01142
2/26/2020	69477	106.9666667	0.00154	-6.47623
2/27/2020	69477	163.8666667	0.002359	-6.0497
2/28/2020	69477	861.4999999	0.0124	-4.39008
2/29/2020	69477	88425.31666	1.272728	0.241163
2/3/2020	69477	2826.016667	0.040676	-3.20213
2/4/2020	69477	24260	0.34918	-1.05217
2/5/2020	69477	30925.2	0.445114	-0.80942
2/6/2020	69477	857.15	0.012337	-4.39514
2/7/2020	69477	78093.05	1.124013	0.116905
2/8/2020	69477	3072.25	0.04422	-3.11859
2/9/2020	69477	230.7666667	0.003321	-5.70734
3/1/2020	69477	5281.05	0.076011	-2.57687
3/10/2020	69477	2294.2	0.033021	-3.41061
3/11/2020	69477	14802.75	0.21306	-1.54618
3/12/2020	69477	495630.2833	7.133732	1.964834
3/13/2020	69477	36644.18333	0.527429	-0.63974
3/14/2020	69477	965.4333334	0.013896	-4.27617
3/15/2020	69477	4838.15	0.069637	-2.66446
3/16/2020	69477	17788.28333	0.256031	-1.36246
3/17/2020	69477	2019.266666	0.029064	-3.53826
3/18/2020	69477	2804.2	0.040362	-3.20988
3/19/2020	69477	10798.21666	0.155421	-1.86161
3/2/2020	69477	14463.61667	0.208178	-1.56936
3/20/2020	69477	7996.2	0.115091	-2.16203
3/21/2020	69477	669.2166667	0.009632	-4.64264
3/23/2020	69477	23251.23333	0.334661	-1.09464
3/24/2020	69477	1969	0.02834	-3.56347
3/25/2020	69477	13767.18333	0.198155	-1.61871
3/26/2020	69477	37699.36666	0.542617	-0.61135
3/27/2020	69477	16475.06667	0.23713	-1.43915
3/28/2020	69477	209.55	0.003016	-5.80379
3/29/2020	69477	68279.8	0.982768	-0.01738
3/3/2020	69477	229924.2667	3.309358	1.196754
3/30/2020	69477	11503.98333	0.16558	-1.7983
3/4/2020	69477	466.4833333	0.006714	-5.00353
3/5/2020	69477	1842.066667	0.026513	-3.63011
3/6/2020	69477	8278.433333	0.119154	-2.12734
3/7/2020	69477	4199.383334	0.060443	-2.80606
3/8/2020	69477	5791	0.083351	-2.48469
3/9/2020	69477	1230.6	0.017712	-4.03349
4/1/2020	69477	13023.7	0.187453	-1.67422
4/10/2020	69477	2650.183333	0.038145	-3.26637
4/11/2020	69477	5271.05	0.075868	-2.57877
4/12/2020	69477	1729522.55	24.89345	3.214605
4/13/2020	69477	722359.9833	10.39711	2.341528

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System				
date	Customers	cons min/day	SAIDI	Ln(SAIDI)
4/14/2020	69477	3162.383333	0.045517	-3.08967
4/15/2020	69477	7129.066667	0.10261	-2.27682
4/16/2020	69477	7100.533333	0.1022	-2.28083
4/17/2020	69477	25412.5	0.365769	-1.00575
4/18/2020	69477	354.4833333	0.005102	-5.27809
4/19/2020	69477	80.05	0.001152	-6.7661
4/2/2020	69477	462.9	0.006663	-5.01124
4/20/2020	69477	38445.41667	0.553355	-0.59176
4/21/2020	69477	7236	0.10415	-2.26193
4/22/2020	69477	147.2166667	0.002119	-6.15685
4/23/2020	69477	4787.133333	0.068902	-2.67506
4/24/2020	69477	520.9333333	0.007498	-4.89313
4/25/2020	69477	22935.93333	0.330123	-1.10829
4/26/2020	69477	8506.666666	0.122439	-2.10015
4/27/2020	69477	15952.48333	0.229608	-1.47138
4/28/2020	69477	486.3166667	0.007	-4.96189
4/29/2020	69477	189543.9667	2.728154	1.003625
4/3/2020	69477	9362.533333	0.134757	-2.00428
4/30/2020	69477	420.1166667	0.006047	-5.10822
4/4/2020	69477	76.41666667	0.0011	-6.81255
4/5/2020	69477	3050.433334	0.043906	-3.12571
4/6/2020	69477	631.0333333	0.009083	-4.70139
4/7/2020	69477	4497.35	0.064731	-2.73751
4/8/2020	69477	5240.266667	0.075424	-2.58462
4/9/2020	69477	65631.7	0.944654	-0.05694
5/1/2020	69477	3524.133333	0.050724	-2.98136
5/10/2020	69477	12204.06667	0.175656	-1.73923
5/11/2020	69477	1922.883333	0.027677	-3.58717
5/12/2020	69477	18204.53333	0.262022	-1.33933
5/13/2020	69477	1864.6	0.026838	-3.61795
5/14/2020	69477	675.15	0.009718	-4.63382
5/15/2020	69477	321.5	0.004627	-5.37575
5/16/2020	69477	16164.11667	0.232654	-1.4582
5/17/2020	69477	6513.366667	0.093749	-2.36714
5/18/2020	69477	38960.03333	0.560762	-0.57846
5/19/2020	69477	67491.23333	0.971418	-0.029
5/2/2020	69477	3980.766667	0.057296	-2.85952
5/20/2020	69477	13758.85	0.198035	-1.61931
5/21/2020	69477	14796.93333	0.212976	-1.54658
5/22/2020	69477	2079.05	0.029924	-3.50908
5/23/2020	69477	30416.05	0.437786	-0.82603
5/24/2020	69477	8034.099999	0.115637	-2.1573
5/25/2020	69477	192332.6	2.768292	1.01823
5/26/2020	69477	8234.933333	0.118527	-2.13261
5/27/2020	69477	1758.816667	0.025315	-3.67635
5/28/2020	69477	5697.866668	0.082011	-2.5009
5/29/2020	69477	610135.2	8.78183	2.172685
5/3/2020	69477	351218.0167	5.05517	1.620411
5/30/2020	69477	2033.566667	0.02927	-3.5312
5/31/2020	69477	16168.13333	0.232712	-1.45795
5/4/2020	69477	6095.916667	0.08774	-2.43338
5/5/2020	69477	261840.1667	3.768732	1.326739
5/6/2020	69477	9793.133333	0.140955	-1.95931
5/7/2020	69477	351.6166667	0.005061	-5.28621
5/8/2020	69477	152790.9	2.199158	0.788075
5/9/2020	69477	30540.16667	0.439572	-0.82195
6/1/2020	69477	8364.566666	0.120393	-2.11699
6/10/2020	69477	1515923.117	21.81906	3.082784
6/11/2020	69477	106937.65	1.539181	0.43125
6/12/2020	69477	8361.583333	0.12035	-2.11735
6/13/2020	69477	5810.883334	0.083638	-2.48126

alpha -2.30714
beta 2.170382

T_{MED} 22.619616

System				
date	Customers	cons min/day	SAIDI	Ln(SAIDI)
6/14/2020	69477	13979.4	0.201209	-1.60341
6/15/2020	69477	2712.05	0.039035	-3.24329
6/16/2020	69477	24016.96667	0.345682	-1.06224
6/17/2020	69477	2104.433333	0.03029	-3.49695
6/18/2020	69477	10797.81667	0.155416	-1.86165
6/19/2020	69477	362908.1667	5.223429	1.653154
6/2/2020	69477	130517.0833	1.878565	0.630508
6/20/2020	69477	249395.7333	3.589616	1.278045
6/21/2020	69477	115300.5667	1.65955	0.506547
6/22/2020	69477	7418.983333	0.106783	-2.23695
6/23/2020	69477	5107.983333	0.07352	-2.61019
6/24/2020	69477	8119.133333	0.116861	-2.14677
6/25/2020	69477	4739.616667	0.068218	-2.68504
6/26/2020	69477	19803.83333	0.285042	-1.25512
6/27/2020	69477	11649.11667	0.167669	-1.78577
6/28/2020	69477	143961.9667	2.072081	0.728553
6/29/2020	69477	43068.58333	0.619897	-0.4782
6/3/2020	69477	4573.866667	0.065833	-2.72064
6/30/2020	69477	53388.16667	0.768429	-0.26341
6/4/2020	69477	367980.4167	5.296435	1.667034
6/5/2020	69477	56470.85	0.812799	-0.20727
6/6/2020	69477	12239.3	0.176163	-1.73634
6/7/2020	69477	7234.6	0.104129	-2.26212
6/8/2020	69477	4683.2	0.067406	-2.69701
6/9/2020	69477	11413.85	0.164282	-1.80617
7/1/2020	69477	36708.98333	0.528362	-0.63797
7/10/2020	69477	1420	0.020438	-3.89034
7/11/2020	69477	1509.45	0.021726	-3.82925
7/12/2020	69477	45832.13333	0.659673	-0.41601
7/13/2020	69477	8736.383334	0.125745	-2.0735
7/14/2020	69477	327.9333333	0.00472	-5.35594
7/15/2020	69477	14196.98333	0.204341	-1.58797
7/16/2020	69477	20139.53333	0.289873	-1.23831
7/17/2020	69477	823.35	0.011851	-4.43537
7/18/2020	69477	323.5	0.004656	-5.36955
7/19/2020	69477	31931.35	0.459596	-0.77741
7/2/2020	69477	4936.05	0.071046	-2.64443
7/20/2020	69477	8113.083333	0.116774	-2.14752
7/21/2020	69477	115470.9	1.662002	0.508023
7/22/2020	69477	153167.7333	2.204582	0.790538
7/23/2020	69477	11417.16666	0.16433	-1.80588
7/24/2020	69477	16310.56667	0.234762	-1.44918
7/25/2020	69477	22709.16667	0.326859	-1.11823
7/26/2020	69477	29445.25	0.423813	-0.85846
7/27/2020	69477	1423.233333	0.020485	-3.88806
7/28/2020	69477	11296.96667	0.1626	-1.81646
7/29/2020	69477	14409.21667	0.207395	-1.57313
7/3/2020	69477	2584.7	0.037202	-3.29139
7/30/2020	69477	201483.8833	2.900008	1.064714
7/31/2020	69477	60852.86667	0.875871	-0.13254
7/4/2020	69477	4209.983333	0.060595	-2.80354
7/5/2020	69477	74891.88333	1.077938	0.07505
7/6/2020	69477	273102.4833	3.930833	1.368851
7/7/2020	69477	26808.26667	0.385858	-0.95229
7/8/2020	69477	27027.25	0.38901	-0.94415
7/9/2020	69477	17796.16667	0.256145	-1.36201
8/1/2020	69477	23812.38333	0.342738	-1.07079
8/10/2020	69477	110522.7333	1.590782	0.464225
8/11/2020	69477	617.65	0.00889	-4.72283
8/12/2020	69477	16415.43333	0.236271	-1.44277
8/13/2020	69477	37250.18333	0.536151	-0.62334

alpha -2.30714
beta 2.170382

T_{MED} 22.619616

System				
date	Customers	cons min/day	SAIDI	Ln(SAIDI)
8/14/2020	69477	4195.3	0.060384	-2.80703
8/15/2020	69477	217.2833333	0.003127	-5.76755
8/16/2020	69477	2673.166667	0.038476	-3.25773
8/17/2020	69477	935.2	0.013461	-4.30799
8/18/2020	69477	50138.15	0.721651	-0.32621
8/19/2020	69477	65905.11667	0.948589	-0.05278
8/2/2020	69477	4347.183333	0.06257	-2.77147
8/20/2020	69477	3403.116667	0.048982	-3.0163
8/21/2020	69477	3128.35	0.045027	-3.10049
8/22/2020	69477	28543.23333	0.41083	-0.88958
8/23/2020	69477	2246.666667	0.032337	-3.43155
8/24/2020	69477	518.85	0.007468	-4.89714
8/25/2020	69477	7859.8	0.113128	-2.17923
8/26/2020	69477	28592.6	0.411541	-0.88785
8/27/2020	69477	11018.25	0.158588	-1.84144
8/28/2020	69477	35024.66667	0.504119	-0.68494
8/29/2020	69477	99201.06667	1.427826	0.356153
8/3/2020	69477	116518.3167	1.677078	0.517053
8/30/2020	69477	55406.23334	0.797476	-0.2263
8/31/2020	69477	7369.616667	0.106073	-2.24363
8/4/2020	69477	6558.433333	0.094397	-2.36024
8/5/2020	69477	258.4	0.003719	-5.59424
8/6/2020	69477	263407.25	3.791287	1.332706
8/7/2020	69477	261.6166667	0.003766	-5.58187
8/8/2020	69477	13129.91667	0.188982	-1.6661
8/9/2020	69477	295.75	0.004257	-5.45924
9/1/2020	69477	5258.383333	0.075685	-2.58117
9/10/2020	69477	8104.616667	0.116652	-2.14856
9/11/2020	69477	131.7666667	0.001897	-6.26772
9/12/2020	69477	38059.76667	0.547804	-0.60184
9/13/2020	69477	211466.55	3.043691	1.113071
9/14/2020	69477	666.0666667	0.009587	-4.64736
9/15/2020	69477	3581.533334	0.05155	-2.9652
9/16/2020	69477	1370.85	0.019731	-3.92556
9/17/2020	69477	41833.8	0.602124	-0.50729
9/18/2020	69477	34468.05	0.496107	-0.70096
9/19/2020	69477	17503.7	0.251935	-1.37858
9/2/2020	69477	352347.8833	5.071432	1.623623
9/20/2020	69477	1066.266667	0.015347	-4.17683
9/21/2020	69477	1662.266667	0.023925	-3.73281
9/22/2020	69477	81537.06667	1.173584	0.160062
9/23/2020	69477	5919.833334	0.085206	-2.46269
9/24/2020	69477	1323.333333	0.019047	-3.96084
9/25/2020	69477	13596.33333	0.195695	-1.6312
9/26/2020	69477	201.4166667	0.002899	-5.84338
9/27/2020	69477	163.7333333	0.002357	-6.05051
9/28/2020	69477	35667.81667	0.513376	-0.66675
9/29/2020	69477	5618.149999	0.080863	-2.51499
9/3/2020	69477	59040.16666	0.84978	-0.16278
9/30/2020	69477	48965.9	0.704779	-0.34987
9/4/2020	69477	257986.5	3.713265	1.311911
9/5/2020	69477	22323.85	0.321313	-1.13534
9/6/2020	69477	372.7833333	0.005366	-5.22775
9/7/2020	69477	6292.316667	0.090567	-2.40167
9/8/2020	69477	5755.55	0.082841	-2.49083
9/9/2020	69477	11476.7	0.165187	-1.80068

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)

12.96

6. CUSTOMER COUNT FOR THIS CIRCUIT

165

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
- 2 Other Animal
- 3 Trees **86%**
- 4 Lightning **14%**
- 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
- 18 Line Fuse
- 19 Broke Pole
- 20 Wind
- 21 Load
- 22 Planned

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

63.46

10. REPORTING YEAR (SAIDI)

175.97

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.856

12. REPORTING YEAR (SAIFI)

2.388

13. CORRECTIVE ACTION PLAN

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)

60.35

6. CUSTOMER COUNT FOR THIS CIRCUIT

812

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%
3 Trees	42%
4 Lightning	
5 Car Hit Pole	3%
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	9%
14 Bird	18%
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	3%
18 Line Fuse	3%
19 Broke Pole	15%
20 Wind	3%
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

79.403

10. REPORTING YEAR (SAIDI)

64.96

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.091

12. REPORTING YEAR (SAIFI)

1.362

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 #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)

48.24

6. CUSTOMER COUNT FOR THIS CIRCUIT

891

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	6%
2 Other Animal	
3 Trees	44%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	6%
11 Customer Wiring	
13 Squirrel	
14 Bird	17%
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	17%
18 Line Fuse	11%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

127.363

10. REPORTING YEAR (SAIDI)

136.684

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.712

12. REPORTING YEAR (SAIFI)

0.489

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 #0401:

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

CALVARY RIDGE / #0401

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

FEEDS CALVARY RIDGE

5. TOTAL CIRCUIT LENGTH (MILES)

49.63

6. CUSTOMER COUNT FOR THIS CIRCUIT

551

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

1 Unknown Cause	4%
2 Other Animal	
3 Trees	59%
4 Lightning	4%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	4%
14 Bird	9%
15 Major Storm	4%
16 Line Down	2%
17 Transformer Fuse Blown	9%
18 Line Fuse	
19 Broke Pole	4%
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

330.781

10. REPORTING YEAR (SAIDI)

575.006

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

3.725

12. REPORTING YEAR (SAIFI)

6.911

13. CORRECTIVE ACTION PLAN

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)

67.48

6. CUSTOMER COUNT FOR THIS CIRCUIT

709

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	3%
2 Other Animal	
3 Trees	41%
4 Lightning	3%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	3%
10 Transformer	3%
11 Customer Wiring	
13 Squirrel	6%
14 Bird	3%
15 Major Storm	12%
16 Line Down	6%
17 Transformer Fuse Blown	6%
18 Line Fuse	9%
19 Broke Pole	6%
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

188.013

10. REPORTING YEAR (SAIDI)

219.747

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.355

12. REPORTING YEAR (SAIFI)

1.128

13. CORRECTIVE ACTION PLAN

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

30

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	
2 Other Animal	
3 Trees	
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	100%
14 Bird	
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

49.041

10. REPORTING YEAR (SAIDI)

211.68

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.403

12. REPORTING YEAR (SAIFI)

1.4

13. CORRECTIVE ACTION PLAN

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

855

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	56%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	2%
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	12%
14 Bird	
15 Major Storm	12%
16 Line Down	
17 Transformer Fuse Blown	5%
18 Line Fuse	7%
19 Broke Pole	5%
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

180.158

10. REPORTING YEAR (SAIDI)

233.899

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.867

12. REPORTING YEAR (SAIFI)

2.472

13. CORRECTIVE ACTION PLAN

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)

41.89

6. CUSTOMER COUNT FOR THIS CIRCUIT

641

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	50%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	15%
14 Bird	5%
15 Major Storm	10%
16 Line Down	
17 Transformer Fuse Blown	10%
18 Line Fuse	5%
19 Broke Pole	
20 Wind	5%
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

200.348

10. REPORTING YEAR (SAIDI)

436.816

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.579

12. REPORTING YEAR (SAIFI)

2.887

13. CORRECTIVE ACTION PLAN

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)

119.2

6. CUSTOMER COUNT FOR THIS CIRCUIT

1039

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%
2 Other Animal	
3 Trees	50%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	2%
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	2%
14 Bird	2%
15 Major Storm	13%
16 Line Down	6%
17 Transformer Fuse Blown	4%
18 Line Fuse	
19 Broke Pole	6%
20 Wind	2%
21 Load	
22 Planned	10%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

405.962

10. REPORTING YEAR (SAIDI)

583.735

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.725

12. REPORTING YEAR (SAIFI)

3.571

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0703:

1. SUBSTATION NAME AND NUMBER

07/SHOPVILLE

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

130 Dahl Road, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

BARNESBURG / #0703

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

FEEDS WEST HWY 80

5. TOTAL CIRCUIT LENGTH (MILES)

47.06

6. CUSTOMER COUNT FOR THIS CIRCUIT

605

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	30%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	3%
11 Customer Wiring	3%
13 Squirrel	3%
14 Bird	10%
15 Major Storm	3%
16 Line Down	
17 Transformer Fuse Blown	23%
18 Line Fuse	13%
19 Broke Pole	3%
20 Wind	
21 Load	
22 Planned	7%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

350.313

10. REPORTING YEAR (SAIDI)

315.282

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.617

12. REPORTING YEAR (SAIFI)

2.423

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 #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)

96.37

6. CUSTOMER COUNT FOR THIS CIRCUIT

859

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	46%
4 Lightning	4%
5 Car Hit Pole	4%
6 SOURCE	4%
9 Defective Equipment	
10 Transformer	4%
11 Customer Wiring	
13 Squirrel	
14 Bird	4%
15 Major Storm	27%
16 Line Down	
17 Transformer Fuse Blown	
18 Line Fuse	4%
19 Broke Pole	
20 Wind	4%
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

165.868

10. REPORTING YEAR (SAIDI)

391.223

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.402

12. REPORTING YEAR (SAIFI)

3.114

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #0803:

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

PARKWAY MANOR / #0803

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

FEEDS TOWARDS RINGOLD RD.

5. TOTAL CIRCUIT LENGTH (MILES)

26.05

6. CUSTOMER COUNT FOR THIS CIRCUIT

695

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	8%
2 Other Animal	
3 Trees	50%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	8%
9 Defective Equipment	
10 Transformer	8%
11 Customer Wiring	
13 Squirrel	8%
14 Bird	8%
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	8%
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

106.281

10. REPORTING YEAR (SAIDI)

108.983

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.234

12. REPORTING YEAR (SAIFI)

1.225

13. CORRECTIVE ACTION PLAN

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)

22.49

6. CUSTOMER COUNT FOR THIS CIRCUIT

569

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	35%
4 Lightning	5%
5 Car Hit Pole	
6 SOURCE	5%
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	25%
14 Bird	
15 Major Storm	5%
16 Line Down	
17 Transformer Fuse Blown	5%
18 Line Fuse	10%
19 Broke Pole	5%
20 Wind	
21 Load	
22 Planned	5%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

102.515

10. REPORTING YEAR (SAIDI)

136.913

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.362

12. REPORTING YEAR (SAIFI)

1.609

13. CORRECTIVE ACTION PLAN

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

431

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	8%
2 Other Animal	
3 Trees	38%
4 Lightning	
5 Car Hit Pole	8%
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	
14 Bird	23%
15 Major Storm	
16 Line Down	8%
17 Transformer Fuse Blown	15%
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

245.012

10. REPORTING YEAR (SAIDI)

912.263

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.134

12. REPORTING YEAR (SAIFI)

2.709

13. CORRECTIVE ACTION PLAN

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)

3.12

6. CUSTOMER COUNT FOR THIS CIRCUIT

209

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
- 4 Lightning
- 5 Car Hit Pole **100%**
- 6 SOURCE
- 9 Defective Equipment
- 10 Transformer
- 11 Customer Wiring
- 13 Squirrel
- 14 Bird
- 15 Major Storm
- 16 Line Down
- 17 Transformer Fuse Blown
- 18 Line Fuse
- 19 Broke Pole
- 20 Wind
- 21 Load
- 22 Planned

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

20.4

10. REPORTING YEAR (SAIDI)

53.245

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.4

12. REPORTING YEAR (SAIFI)

1.028

13. CORRECTIVE ACTION PLAN

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)

35.99

6. CUSTOMER COUNT FOR THIS CIRCUIT

507

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	63%
4 Lightning	5%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	5%
14 Bird	5%
15 Major Storm	11%
16 Line Down	5%
17 Transformer Fuse Blown	
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

155.649

10. REPORTING YEAR (SAIDI)

198.425

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.625

12. REPORTING YEAR (SAIFI)

2.504

13. CORRECTIVE ACTION PLAN

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)

110.65

6. CUSTOMER COUNT FOR THIS CIRCUIT

995

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	57%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	4%
11 Customer Wiring	
13 Squirrel	
14 Bird	4%
15 Major Storm	7%
16 Line Down	
17 Transformer Fuse Blown	11%
18 Line Fuse	7%
19 Broke Pole	4%
20 Wind	
21 Load	
22 Planned	7%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

255.928

10. REPORTING YEAR (SAIDI)

188.714

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.732

12. REPORTING YEAR (SAIFI)

2.667

13. CORRECTIVE ACTION PLAN

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)

17.71

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

1 Unknown Cause	
2 Other Animal	
3 Trees	62%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	15%
14 Bird	
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	15%
18 Line Fuse	8%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

153.74

10. REPORTING YEAR (SAIDI)

573.038

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.36

12. REPORTING YEAR (SAIFI)

4.965

13. CORRECTIVE ACTION PLAN

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)

19.82

6. CUSTOMER COUNT FOR THIS CIRCUIT

439

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

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

119.094

10. REPORTING YEAR (SAIDI)

243.876

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.794

12. REPORTING YEAR (SAIFI)

3.578

13. CORRECTIVE ACTION PLAN

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

440

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	48%
4 Lightning	4%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	4%
11 Customer Wiring	
13 Squirrel	4%
14 Bird	4%
15 Major Storm	8%
16 Line Down	
17 Transformer Fuse Blown	20%
18 Line Fuse	4%
19 Broke Pole	4%
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

253.414

10. REPORTING YEAR (SAIDI)

189.819

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.128

12. REPORTING YEAR (SAIFI)

2.468

13. CORRECTIVE ACTION PLAN

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)

136.89

6. CUSTOMER COUNT FOR THIS CIRCUIT

1251

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	
2 Other Animal	
3 Trees	54%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	4%
14 Bird	
15 Major Storm	7%
16 Line Down	2%
17 Transformer Fuse Blown	13%
18 Line Fuse	13%
19 Broke Pole	4%
20 Wind	
21 Load	
22 Planned	2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

387.074

10. REPORTING YEAR (SAIDI)

446.6

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

3.452

12. REPORTING YEAR (SAIFI)

4.959

13. CORRECTIVE ACTION PLAN

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)

27.03

6. CUSTOMER COUNT FOR THIS CIRCUIT

878

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	
2 Other Animal	
3 Trees	44%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	3%
13 Squirrel	21%
14 Bird	3%
15 Major Storm	12%
16 Line Down	
17 Transformer Fuse Blown	9%
18 Line Fuse	3%
19 Broke Pole	3%
20 Wind	
21 Load	
22 Planned	3%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

95.624

10. REPORTING YEAR (SAIDI)

89.534

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.106

12. REPORTING YEAR (SAIFI)

1.694

13. CORRECTIVE ACTION PLAN

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)

25.46

6. CUSTOMER COUNT FOR THIS CIRCUIT

711

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	
2 Other Animal	
3 Trees	63%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	11%
14 Bird	5%
15 Major Storm	21%
16 Line Down	
17 Transformer Fuse Blown	
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

159.257

10. REPORTING YEAR (SAIDI)

145.228

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.142

12. REPORTING YEAR (SAIFI)

3.931

13. CORRECTIVE ACTION PLAN

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

648

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

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

103.631

10. REPORTING YEAR (SAIDI)

239.76

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.991

12. REPORTING YEAR (SAIFI)

1.928

13. CORRECTIVE ACTION PLAN

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)

36.71

6. CUSTOMER COUNT FOR THIS CIRCUIT

655

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	5%
2 Other Animal	
3 Trees	55%
4 Lightning	5%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	5%
14 Bird	
15 Major Storm	5%
16 Line Down	
17 Transformer Fuse Blown	5%
18 Line Fuse	5%
19 Broke Pole	5%
20 Wind	5%
21 Load	
22 Planned	5%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

327.32

10. REPORTING YEAR (SAIDI)

619.466

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.144

12. REPORTING YEAR (SAIFI)

2.735

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1701:

1. SUBSTATION NAME AND NUMBER

17/WHITLEY CITY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

15 Taylor Road Other, Whitley City, KY 42653

3. CIRCUIT NAME AND NUMBER

WILLIAMSBURG ST. / #1701

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

FEEDS WILLIAMSBURG ST.

5. TOTAL CIRCUIT LENGTH (MILES)

17.53

6. CUSTOMER COUNT FOR THIS CIRCUIT

628

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	3%
2 Other Animal	3%
3 Trees	55%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	18%
14 Bird	
15 Major Storm	5%
16 Line Down	
17 Transformer Fuse Blown	3%
18 Line Fuse	11%
19 Broke Pole	
20 Wind	3%
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

180.764

10. REPORTING YEAR (SAIDI)

761.327

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.987

12. REPORTING YEAR (SAIFI)

3.11

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1703:

1. SUBSTATION NAME AND NUMBER

17/WHITLEY CITY

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

15 Taylor Road Other, Whitley City, KY 42653

3. CIRCUIT NAME AND NUMBER

NORTH HWY 27 / #1703

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

FEEDS NORTH HWY 27

5. TOTAL CIRCUIT LENGTH (MILES)

3.42

6. CUSTOMER COUNT FOR THIS CIRCUIT

125

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	50%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	50%
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	
14 Bird	
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

32.182

10. REPORTING YEAR (SAIDI)

86.342

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.607

12. REPORTING YEAR (SAIFI)

2.082

13. CORRECTIVE ACTION PLAN

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)

14.15

6. CUSTOMER COUNT FOR THIS CIRCUIT

394

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	4%
2 Other Animal	
3 Trees	48%
4 Lightning	4%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	9%
14 Bird	
15 Major Storm	13%
16 Line Down	
17 Transformer Fuse Blown	9%
18 Line Fuse	
19 Broke Pole	9%
20 Wind	
21 Load	
22 Planned	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

133.441

10. REPORTING YEAR (SAIDI)

407.609

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.143

12. REPORTING YEAR (SAIFI)

2.371

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1804:

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

STRUNK / #1804

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

FEEDS SOUTH OF PINE KNOT

5. TOTAL CIRCUIT LENGTH (MILES)

93.9

6. CUSTOMER COUNT FOR THIS CIRCUIT

1716

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	53%
4 Lightning	1%
5 Car Hit Pole	1%
6 SOURCE	
9 Defective Equipment	
10 Transformer	3%
11 Customer Wiring	1%
13 Squirrel	7%
14 Bird	5%
15 Major Storm	
16 Line Down	1%
17 Transformer Fuse Blown	11%
18 Line Fuse	10%
19 Broke Pole	3%
20 Wind	1%
21 Load	
22 Planned	1%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

259.154

10. REPORTING YEAR (SAIDI)

519.384

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.406

12. REPORTING YEAR (SAIFI)

1.625

13. CORRECTIVE ACTION PLAN

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)

10.19

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

1 Unknown Cause	
2 Other Animal	
3 Trees	43%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	29%
14 Bird	14%
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	
18 Line Fuse	7%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	7%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

103.462

10. REPORTING YEAR (SAIDI)

291.339

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.692

12. REPORTING YEAR (SAIFI)

1.279

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1904:

1. SUBSTATION NAME AND NUMBER

19/OAK HILL

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

230 North Nomans Lane, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

TO GOLDEN HEIGHTS / #1904

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

FEEDS TOWARDS OAK HILL RD.

5. TOTAL CIRCUIT LENGTH (MILES)

20.73

6. CUSTOMER COUNT FOR THIS CIRCUIT

942

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	
2 Other Animal	
3 Trees	62%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	10%
11 Customer Wiring	5%
13 Squirrel	14%
14 Bird	
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	
18 Line Fuse	5%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	5%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

115.199

10. REPORTING YEAR (SAIDI)

148.187

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.284

12. REPORTING YEAR (SAIFI)

2.16

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2005:

1. SUBSTATION NAME AND NUMBER

20/ASAHI

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

1272 HWY 461, Somerset, KY 42503

3. CIRCUIT NAME AND NUMBER

ALUMITECH / #2005

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

FEEDS GATORMADE

5. TOTAL CIRCUIT LENGTH (MILES)

0.45

6. CUSTOMER COUNT FOR THIS CIRCUIT

4

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
- 4 Lightning
- 5 Car Hit Pole
- 6 SOURCE
- 9 Defective Equipment
- 10 Transformer
- 11 Customer Wiring
- 13 Squirrel
- 14 Bird **100%**
- 15 Major Storm
- 16 Line Down
- 17 Transformer Fuse Blown
- 18 Line Fuse
- 19 Broke Pole
- 20 Wind
- 21 Load
- 22 Planned

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

63.716

10. REPORTING YEAR (SAIDI)

125.767

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.333

12. REPORTING YEAR (SAIFI)

1

13. CORRECTIVE ACTION PLAN

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)

26.43

6. CUSTOMER COUNT FOR THIS CIRCUIT

945

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

1 Unknown Cause	
2 Other Animal	
3 Trees	25%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	19%
14 Bird	6%
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	6%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

55.689

10. REPORTING YEAR (SAIDI)

110.345

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.933

12. REPORTING YEAR (SAIFI)

2.063

13. CORRECTIVE ACTION PLAN

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)

52.21

6. CUSTOMER COUNT FOR THIS CIRCUIT

685

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

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

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

45.855

10. REPORTING YEAR (SAIDI)

55.157

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.701

12. REPORTING YEAR (SAIFI)

1.615

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2203:

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

ALLIGATOR / #2203

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

FEEDS SOUTH ON HWY 76

5. TOTAL CIRCUIT LENGTH (MILES)

42.54

6. CUSTOMER COUNT FOR THIS CIRCUIT

1026

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	8%
2 Other Animal	
3 Trees	35%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	4%
11 Customer Wiring	
13 Squirrel	8%
14 Bird	4%
15 Major Storm	
16 Line Down	4%
17 Transformer Fuse Blown	8%
18 Line Fuse	12%
19 Broke Pole	12%
20 Wind	4%
21 Load	
22 Planned	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

170.43

10. REPORTING YEAR (SAIDI)

370.936

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.59

12. REPORTING YEAR (SAIFI)

3

13. CORRECTIVE ACTION PLAN

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)

61.65

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

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

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

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2303:

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

CEDAR GROVE / #2303

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

FEEDS ELIHU CABIN HOLLOW RD.

5. TOTAL CIRCUIT LENGTH (MILES)

40.37

6. CUSTOMER COUNT FOR THIS CIRCUIT

657

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	59%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	3%
9 Defective Equipment	
10 Transformer	3%
11 Customer Wiring	
13 Squirrel	5%
14 Bird	
15 Major Storm	5%
16 Line Down	
17 Transformer Fuse Blown	8%
18 Line Fuse	10%
19 Broke Pole	8%
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

366.587

10. REPORTING YEAR (SAIDI)

1163.291

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.319

12. REPORTING YEAR (SAIFI)

6.363

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2304:

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

HARTCO / #2304

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

FEEDS OLD HARTCO BUILDING

5. TOTAL CIRCUIT LENGTH (MILES)

0.82

6. CUSTOMER COUNT FOR THIS CIRCUIT

4

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
- 2 Other Animal
- 3 Trees
- 4 Lightning
- 5 Car Hit Pole
- 6 SOURCE **100%**
- 9 Defective Equipment
- 10 Transformer
- 11 Customer Wiring
- 13 Squirrel
- 14 Bird
- 15 Major Storm
- 16 Line Down
- 17 Transformer Fuse Blown
- 18 Line Fuse
- 19 Broke Pole
- 20 Wind
- 21 Load
- 22 Planned

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

27.59

10. REPORTING YEAR (SAIDI)

38.383

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.45

12. REPORTING YEAR (SAIFI)

1

13. CORRECTIVE ACTION PLAN

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)

29.24

6. CUSTOMER COUNT FOR THIS CIRCUIT

366

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	46%
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	31%
18 Line Fuse	23%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

99.976

10. REPORTING YEAR (SAIDI)

44.248

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.023

12. REPORTING YEAR (SAIFI)

1.335

13. CORRECTIVE ACTION PLAN

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)

30

6. CUSTOMER COUNT FOR THIS CIRCUIT

592

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	58%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	8%
14 Bird	
15 Major Storm	8%
16 Line Down	
17 Transformer Fuse Blown	17%
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	8%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

47.902

10. REPORTING YEAR (SAIDI)

60.086

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.754

12. REPORTING YEAR (SAIFI)

0.491

13. CORRECTIVE ACTION PLAN

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)

46.06

6. CUSTOMER COUNT FOR THIS CIRCUIT

765

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

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

46.677

10. REPORTING YEAR (SAIDI)

66.57

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.504

12. REPORTING YEAR (SAIFI)

0.555

13. CORRECTIVE ACTION PLAN

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)

28.24

6. CUSTOMER COUNT FOR THIS CIRCUIT

808

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

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

104.437

10. REPORTING YEAR (SAIDI)

207.469

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.741

12. REPORTING YEAR (SAIFI)

1.127

13. CORRECTIVE ACTION PLAN

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)

25.4

6. CUSTOMER COUNT FOR THIS CIRCUIT

903

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	55%
4 Lightning	
5 Car Hit Pole	5%
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	5%
13 Squirrel	10%
14 Bird	5%
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	10%
18 Line Fuse	5%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

351.084

10. REPORTING YEAR (SAIDI)

1444.902

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.905

12. REPORTING YEAR (SAIFI)

1.577

13. CORRECTIVE ACTION PLAN

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)

1.15

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

- 1 Unknown Cause
- 2 Other Animal
- 3 Trees **100%**
- 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
- 18 Line Fuse
- 19 Broke Pole
- 20 Wind
- 21 Load
- 22 Planned

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

3.9

10. REPORTING YEAR (SAIDI)

19.5

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.4

12. REPORTING YEAR (SAIFI)

2

13. CORRECTIVE ACTION PLAN

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

29

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	
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	
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	100%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

4.598

10. REPORTING YEAR (SAIDI)

1.616

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.211

12. REPORTING YEAR (SAIFI)

1

13. CORRECTIVE ACTION PLAN

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 MOUNTAI

5. TOTAL CIRCUIT LENGTH (MILES)

55.67

6. CUSTOMER COUNT FOR THIS CIRCUIT

615

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	3%
2 Other Animal	
3 Trees	60%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	3%
9 Defective Equipment	
10 Transformer	3%
11 Customer Wiring	
13 Squirrel	6%
14 Bird	
15 Major Storm	3%
16 Line Down	
17 Transformer Fuse Blown	14%
18 Line Fuse	6%
19 Broke Pole	3%
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

269.175

10. REPORTING YEAR (SAIDI)

394.351

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.488

12. REPORTING YEAR (SAIFI)

4.536

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2704:

1. SUBSTATION NAME AND NUMBER

27/SLAT

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

101 Whispering Pines, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

INDUSTRIAL PARK / #2704

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

FEEDS WEST ON HWY 90

5. TOTAL CIRCUIT LENGTH (MILES)

53.02

6. CUSTOMER COUNT FOR THIS CIRCUIT

644

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	55%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	9%
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	9%
14 Bird	9%
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	
18 Line Fuse	9%
19 Broke Pole	
20 Wind	9%
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

112.996

10. REPORTING YEAR (SAIDI)

133.867

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.541

12. REPORTING YEAR (SAIFI)

1.238

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2801:

1. SUBSTATION NAME AND NUMBER

28/EAST PINE KNOT

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

142 North Clearcreek Road, Whitley City, KY 42653

3. CIRCUIT NAME AND NUMBER

PRISON / #2801

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

FEEDS FEDERAL PRISON

5. TOTAL CIRCUIT LENGTH (MILES)

0.16

6. CUSTOMER COUNT FOR THIS CIRCUIT

2

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

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

9.096

10. REPORTING YEAR (SAIDI)

45.483

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.6

12. REPORTING YEAR (SAIFI)

3

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2803:

1. SUBSTATION NAME AND NUMBER

28/EAST PINE KNOT

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

142 North Clearcreek Road, Whitley City, KY 42653

3. CIRCUIT NAME AND NUMBER

EAST BETHEL RD. / #2803

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

FEEDS BETHEL RD.

5. TOTAL CIRCUIT LENGTH (MILES)

16.16

6. CUSTOMER COUNT FOR THIS CIRCUIT

349

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	67%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	7%
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	
14 Bird	
15 Major Storm	7%
16 Line Down	
17 Transformer Fuse Blown	7%
18 Line Fuse	13%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

100.06

10. REPORTING YEAR (SAIDI)

273.735

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.669

12. REPORTING YEAR (SAIFI)

1.635

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2804:

1. SUBSTATION NAME AND NUMBER

28/EAST PINE KNOT

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

142 North Clearcreek Road, Whitley City, KY 42653

3. CIRCUIT NAME AND NUMBER

DAVIS HILL / #2804

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

FEEDS EAST ON HWY 2792

5. TOTAL CIRCUIT LENGTH (MILES)

28.65

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%
2 Other Animal	
3 Trees	71%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	2%
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	5%
14 Bird	7%
15 Major Storm	
16 Line Down	2%
17 Transformer Fuse Blown	5%
18 Line Fuse	2%
19 Broke Pole	2%
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

236.988

10. REPORTING YEAR (SAIDI)

696.769

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.97

12. REPORTING YEAR (SAIFI)

3.82

13. CORRECTIVE ACTION PLAN

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)

20.53

6. CUSTOMER COUNT FOR THIS CIRCUIT

640

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	62%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	5%
14 Bird	5%
15 Major Storm	5%
16 Line Down	
17 Transformer Fuse Blown	14%
18 Line Fuse	10%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

169.869

10. REPORTING YEAR (SAIDI)

180.543

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.726

12. REPORTING YEAR (SAIFI)

2.249

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3101:

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

TO FLATROCK / #3101

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

FEEDS SOUTH TOWARDS FLATROCK

5. TOTAL CIRCUIT LENGTH (MILES)

53.5

6. CUSTOMER COUNT FOR THIS CIRCUIT

1052

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	48%
4 Lightning	2%
5 Car Hit Pole	
6 SOURCE	4%
9 Defective Equipment	
10 Transformer	4%
11 Customer Wiring	
13 Squirrel	7%
14 Bird	4%
15 Major Storm	7%
16 Line Down	
17 Transformer Fuse Blown	7%
18 Line Fuse	11%
19 Broke Pole	5%
20 Wind	
21 Load	
22 Planned	2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

888.825

10. REPORTING YEAR (SAIDI)

959.014

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

4.175

12. REPORTING YEAR (SAIFI)

7.448

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3104:

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

BEULAH HEIGHTS / #3104

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

FEEDS BEULAH HEIGHTS RD. HWY 1045

5. TOTAL CIRCUIT LENGTH (MILES)

67.71

6. CUSTOMER COUNT FOR THIS CIRCUIT

785

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	36%
4 Lightning	
5 Car Hit Pole	5%
6 SOURCE	9%
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	9%
14 Bird	
15 Major Storm	5%
16 Line Down	5%
17 Transformer Fuse Blown	5%
18 Line Fuse	9%
19 Broke Pole	9%
20 Wind	
21 Load	
22 Planned	9%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

1204.973

10. REPORTING YEAR (SAIDI)

999.809

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

4.35

12. REPORTING YEAR (SAIFI)

6.975

13. CORRECTIVE ACTION PLAN

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)

50.62

6. CUSTOMER COUNT FOR THIS CIRCUIT

762

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	48%
4 Lightning	4%
5 Car Hit Pole	
6 SOURCE	4%
9 Defective Equipment	4%
10 Transformer	
11 Customer Wiring	
13 Squirrel	
14 Bird	4%
15 Major Storm	4%
16 Line Down	4%
17 Transformer Fuse Blown	20%
18 Line Fuse	
19 Broke Pole	4%
20 Wind	
21 Load	
22 Planned	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

99.232

10. REPORTING YEAR (SAIDI)

153.281

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.464

12. REPORTING YEAR (SAIFI)

2.962

13. CORRECTIVE ACTION PLAN

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

372

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	
2 Other Animal	
3 Trees	55%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	9%
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	9%
14 Bird	
15 Major Storm	
16 Line Down	9%
17 Transformer Fuse Blown	18%
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

122.689

10. REPORTING YEAR (SAIDI)

81.049

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.286

12. REPORTING YEAR (SAIFI)

1.319

13. CORRECTIVE ACTION PLAN

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)

14.62

6. CUSTOMER COUNT FOR THIS CIRCUIT

367

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	
2 Other Animal	
3 Trees	54%
4 Lightning	8%
5 Car Hit Pole	8%
6 SOURCE	8%
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	
14 Bird	
15 Major Storm	
16 Line Down	8%
17 Transformer Fuse Blown	
18 Line Fuse	
19 Broke Pole	8%
20 Wind	8%
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

95.878

10. REPORTING YEAR (SAIDI)

179.941

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.442

12. REPORTING YEAR (SAIFI)

2.556

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3403:

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

STEUBENVILLE / #3403

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

FEEDS WEST ON HWY 90

5. TOTAL CIRCUIT LENGTH (MILES)

20.07

6. CUSTOMER COUNT FOR THIS CIRCUIT

458

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

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

70.497

10. REPORTING YEAR (SAIDI)

42.146

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.18

12. REPORTING YEAR (SAIFI)

1.263

13. CORRECTIVE ACTION PLAN

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)

19.17

6. CUSTOMER COUNT FOR THIS CIRCUIT

314

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	67%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	
14 Bird	
15 Major Storm	8%
16 Line Down	
17 Transformer Fuse Blown	17%
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	8%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

106.516

10. REPORTING YEAR (SAIDI)

54.023

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.32

12. REPORTING YEAR (SAIFI)

1.72

13. CORRECTIVE ACTION PLAN

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)

27.71

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

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

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

11.789

10. REPORTING YEAR (SAIDI)

14.463

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.218

12. REPORTING YEAR (SAIFI)

0.27

13. CORRECTIVE ACTION PLAN

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

OCALA RD. / #3702

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

FEEDS SOUTH ON HWY 39

5. TOTAL CIRCUIT LENGTH (MILES)

45.77

6. CUSTOMER COUNT FOR THIS CIRCUIT

637

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	
2 Other Animal	
3 Trees	48%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	10%
14 Bird	3%
15 Major Storm	3%
16 Line Down	10%
17 Transformer Fuse Blown	10%
18 Line Fuse	7%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	7%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

317.079

10. REPORTING YEAR (SAIDI)

1018.893

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.918

12. REPORTING YEAR (SAIFI)

2.555

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3703:

1. SUBSTATION NAME AND NUMBER

37/WOODSTOCK

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

12472 HWY. 39, Somerset, KY 42501

3. CIRCUIT NAME AND NUMBER

CHARLES ELGIN / #3703

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

FEEDS CHARLES ELGIN RD.

5. TOTAL CIRCUIT LENGTH (MILES)

12.35

6. CUSTOMER COUNT FOR THIS CIRCUIT

134

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	14%
2 Other Animal	
3 Trees	71%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	14%
14 Bird	
15 Major Storm	
16 Line Down	
17 Transformer Fuse Blown	
18 Line Fuse	
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

238.29

10. REPORTING YEAR (SAIDI)

949.52

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.107

12. REPORTING YEAR (SAIFI)

1.25

13. CORRECTIVE ACTION PLAN

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)

92.98

6. CUSTOMER COUNT FOR THIS CIRCUIT

1067

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	2%
2 Other Animal	
3 Trees	72%
4 Lightning	2%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	7%
14 Bird	2%
15 Major Storm	5%
16 Line Down	
17 Transformer Fuse Blown	2%
18 Line Fuse	5%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	2%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

497.831

10. REPORTING YEAR (SAIDI)

1081.631

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.391

12. REPORTING YEAR (SAIFI)

2.131

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3802:

1. SUBSTATION NAME AND NUMBER

38/HOMESTEAD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

93 Rankin Street, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

MICHIGAN AVENUE / #3802

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

FEEDS MICHIGAN AVENUE

5. TOTAL CIRCUIT LENGTH (MILES)

16.5

6. CUSTOMER COUNT FOR THIS CIRCUIT

904

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

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

167.614

10. REPORTING YEAR (SAIDI)

116.712

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

2.288

12. REPORTING YEAR (SAIFI)

2.304

13. CORRECTIVE ACTION PLAN

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3804:

1. SUBSTATION NAME AND NUMBER

38/HOMESTEAD

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

93 Rankin Street, Monticello, KY 42633

3. CIRCUIT NAME AND NUMBER

HWY 167 / #3804

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

FEEDS HWY 167

5. TOTAL CIRCUIT LENGTH (MILES)

16.13

6. CUSTOMER COUNT FOR THIS CIRCUIT

740

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

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

123.634

10. REPORTING YEAR (SAIDI)

148.516

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.914

12. REPORTING YEAR (SAIFI)

3.333

13. CORRECTIVE ACTION PLAN

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)

27.39

6. CUSTOMER COUNT FOR THIS CIRCUIT

327

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	50%
4 Lightning	5%
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	5%
14 Bird	
15 Major Storm	10%
16 Line Down	10%
17 Transformer Fuse Blown	5%
18 Line Fuse	5%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	10%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

218.793

10. REPORTING YEAR (SAIDI)

205.563

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.89

12. REPORTING YEAR (SAIFI)

1.521

13. CORRECTIVE ACTION PLAN

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)

42.72

6. CUSTOMER COUNT FOR THIS CIRCUIT

808

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

1 Unknown Cause	
2 Other Animal	
3 Trees	47%
4 Lightning	
5 Car Hit Pole	3%
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	3%
14 Bird	7%
15 Major Storm	13%
16 Line Down	3%
17 Transformer Fuse Blown	10%
18 Line Fuse	
19 Broke Pole	7%
20 Wind	
21 Load	
22 Planned	7%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

140.759

10. REPORTING YEAR (SAIDI)

175.087

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.508

12. REPORTING YEAR (SAIFI)

1.16

13. CORRECTIVE ACTION PLAN

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)

21.94

6. CUSTOMER COUNT FOR THIS CIRCUIT

297

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	4%
2 Other Animal	
3 Trees	44%
4 Lightning	
5 Car Hit Pole	
6 SOURCE	
9 Defective Equipment	
10 Transformer	
11 Customer Wiring	
13 Squirrel	24%
14 Bird	
15 Major Storm	4%
16 Line Down	
17 Transformer Fuse Blown	12%
18 Line Fuse	8%
19 Broke Pole	
20 Wind	
21 Load	
22 Planned	4%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

132.451

10. REPORTING YEAR (SAIDI)

179.594

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.661

12. REPORTING YEAR (SAIFI)

1.367

13. CORRECTIVE ACTION PLAN

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 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.

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

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.