KENTUCKY PUBLIC SERVICE COMMISSION

APR 1 7 2019

Electric Distribution Litility Appual E

PUBLIC SERVICE COMMISSION

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	SECTION 1:	CONTACT	NFORMATION .		
	UTILITY NA	ME C	ark Energy Cooperative		
	REPORT PREPARED		nillip Blythe		
	L ADDRESS OF PREPAR		olythe@clarkenergy.com		
PHON	NE NUMBER OF PREPAR	ER <u>8</u>	59-901-9203		
	SECTIO	N 2: REPOR	TING YEAR		
CAI	LENDAR YEAR OF REPO	PRT <u>2</u>	018		
	SECTION 3: I	MAJOR EVE	NT DAYS (MED)		
		•	49		
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LAST DATE NUMBER NOTE: Per IEE ears. If five ye ears are accur	USED TO DETERMINE TO REPORT YEAR OF MED IN REPORT YEAR SHOULD be called are not available mulated. SECTION 4: SYSTEM RELEMENTS SYSTEM 5 YEAR AVERAGE 147.72 1.45	MED 1: AR 1 Iculated using le, then utilities IABILITY IN Important length len	the daily SAIDI values for the five es should use what is available until the formation and results with the formation and r	-	
LAST DATE NUMBER NOTE: Per IEE rears. If five ye rears are accur SAIDI SAIDI SAIFI	USED TO DETERMINE TO REPORT YEAR OF MED IN REPORT YEAR AVERAGE 1366 T _{MED} should be called ears of data are not available mulated. SECTION 4: SYSTEM RELECTION 5: SYSTEM RELECTION 5: SYSTEM RELECTION 6: SY	MED 1: AR 1 Iculated using ble, then utilities IABILITY IN M-wide Info Excluding IV SAIDI SAIFI Including IV	the daily SAIDI values for the five es should use what is available until the should use what is	-	
LAST DATE NUMBER NOTE: Per IEE years. If five ye years are accur SAIDI SAIDI	USED TO DETERMINE TO REPORT YEAR OF MED IN REPORT YEAR AVERAGE 147.72 1.45	MED 1: AR 1 Iculated using le, then utilities IABILITY IN M-wide Info Excluding M SAIDI SAIFI	the daily SAIDI values for the five es should use what is available until the formation and results with the formation and r	-	

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

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

(CIRCUITS WITH SAID! AND/OR SAIF! EXCEEDING 5 YEAR AVERAGE)

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Becknerville 1

1. SUBSTATION NAME AND NUMBER

Becknerville N92

- 2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Clark Co.-Combs Ferry Road-Winchester
- 3. CIRCUIT NAME AND NUMBEF Becknerville 1
- 4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Combs Ferry Road
- 5. TOTAL CIRCUIT LENGTH (MILES) 7.683
- 6. CUSTOMER COUNT FOR THIS CIRCUIT 26
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2014
- 8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE See Attached
- 9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 6.46
- 10. REPORTING YEAR (SAIDI) 87.32
- 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) .09
- 12. REPORTING YEAR (SAIFI) 1.12
- 13. CORRECTIVE ACTION PLAN- Feeder outages related to line maintenance

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

Becknerville1

	Customer	Customer Minutes	%
Maintenance 1	26	2106	92.86
Animal 1	2	156	7.143
2	28	2262	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCU	IJТ	#1:	Bec	knerv	lle.	2
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1. SUBSTATION NAME AND NUMBER Becknerville N92

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Clark County- Combs Ferry- Winchester

3. CIRCUIT NAME AND NUMBER Becknerville 2- Waterworks

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

5. TOTAL CIRCUIT LENGTH (MILES) 23.908

6. CUSTOMER COUNT FOR THIS CIRCUIT 148

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 53.93

10. REPORTING YEAR (SAIDI) 94.26

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.42

12. REPORTING YEAR (SAIFI) 0.64

13. CORRECTIVE ACTION PLAN No Action needed at this time - outages related to weather

Becknerville2

Manth or	Customer	Customer Minutes	%
Weather 5	86	13136	94.51
Animal 3	4	287	4.396
Unknown 1	1	85	1.099
9	91	13508	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Blevins Valley 2

1. SUBSTATION NAME AND NUMBER

Blevins Valley E100

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Bath County- Blevins Valley Road- Preston KY

3. CIRCUIT NAME AND NUMBER

Blevins Valley 2

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

Owingsville, Old State Road, Sour Springs, H\

5. TOTAL CIRCUIT LENGTH (MILES)

41.074

6. CUSTOMER COUNT FOR THIS CIRCUIT

422

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

233.6

10. REPORTING YEAR (SAIDI)

360.23

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.71

12. REPORTING YEAR (SAIFI)

1.35

13. CORRECTIVE ACTION PLAN

There were 9 equipment related outages-mainly porcelin cutouts. We are currently progressively changing out porcelin cutouts system wide.

BLEVAL2					
Diamagad		Customer	Customer Minutes	%	
Planned	1	5	260	0.864	
Maintenar	nce 12	548	153903	94.65	
Equipmen	nt 1	9	1071	1.554	
Weather	1	5	245	0.864	
Animal	1	8	808	1.382	
Public					
	1	4	168	0.691	
	17	579	156455	100	

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Bowen 1

1. SUBSTATION NAME AND NUMBER

Bowen E58

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Powell County- Campton Road- Stanton KY

3. CIRCUIT NAME AND NUMBER

Bowen 1- Natural Bridge

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

Campton Road

5. TOTAL CIRCUIT LENGTH (MILES)

47.428

6. CUSTOMER COUNT FOR THIS CIRCUIT

418

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

264.98

10. REPORTING YEAR (SAIDI)

204.85

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.64

12. REPORTING YEAR (SAIFI)

2.3

13. CORRECTIVE ACTION PLAN

No action at this time- outages were related to weather

BOWEN1				
Planned		Customer	Customer Minutes	%
rianneu	6	23	1223	2.378
Maintena	nce 15	619	47073	64.01
Equipmer	nt 3	11	1243	1.138
Weather	12	150	28618	15.51
Animal	1	2	68	0.207
Public	2	69	15652	7.135
Unknown				
	7	93	3950	9.617
	46	967	97827	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Cave Run 2

1. SUBSTATION NAME AND NUMBER

Cave Run E52

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Rowan County- HWY 801- Morehead KY

3. CIRCUIT NAME AND NUMBER

Cave Run 2- Fish Hatchery/Twin Knobs

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

Cave Run Lake/HWY 801

5. TOTAL CIRCUIT LENGTH (MILES)

20.392

6. CUSTOMER COUNT FOR THIS CIRCUIT

249

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

142.54

10. REPORTING YEAR (SAIDI)

615.71

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.37

12. REPORTING YEAR (SAIFI)

4.08

13. CORRECTIVE ACTION PLAN

Planned outage to change 3 phase pole and outage for Power Supplier to change substation transformer

CAVE RUN	2			
Diamand		Customer	Customer Minutes	%
Planned	5	110	7534	11.13
Maintenan	ce 9	348	59631	35.22
Equipment	1	13	949	1.316
Weather	2	14	1146	1.417
Animal	1	. 1	53	0.101
Public	1	252	48888	25.51
Unknown				
	1	250	31250	25.3
•	20	988	149451	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Clay City 1

1. SUBSTATION NAME AND NUMBER

Clay City E71

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Powell County- Shipps Branch- Clay City KY

3. CIRCUIT NAME AND NUMBER

Clay City 1- Virden Ridge

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

Winchester Road- Virden Ridge

5. TOTAL CIRCUIT LENGTH (MILES)

42,447

6. CUSTOMER COUNT FOR THIS CIRCUIT

666

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

49.55

10. REPORTING YEAR (SAIDI)

226.58

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.61

12. REPORTING YEAR (SAIFI)

1.76

13. CORRECTIVE ACTION PLAN

Insulators failed causing a large outage on this circuit

Clay City 1 Planned		Customer	Customer Minutes	%
	5	. 44	3068	3.761
Equipment	: 6	48	3962	4.103
Weather	6	23	2682	1.966
Animal	3	15	2133	1.282
Public	1	8	776	0.684
Unknown	2	251	11926	21.45
Maintenan		701	120110	
	13	781	126119	00./5
	36	1170	150666	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Frenchburg 1

1. SUBSTATION NAME AND NUMBER

Frenchburg E19

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Menifee County- HWY 36- Frenchburg KY

3. CIRCUIT NAME AND NUMBER

Frenchburg 1- HWY 36/211

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

Frenchburg- HWY 36 North

5. TOTAL CIRCUIT LENGTH (MILES)

45.261

6. CUSTOMER COUNT FOR THIS CIRCUIT

425

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

191.08

10. REPORTING YEAR (SAIDI)

250.17

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.73

12. REPORTING YEAR (SAIFI)

2.51

13. CORRECTIVE ACTION PLAN

Planning outages during reconductor of the line as well as

excessive rain caused several issues

FRNBURG1

	Customer	Customer Minutes	%
Planned 23	606	606	42.14
Equipment 2	3	486	0.209
Weather 6	323	68691	22.46
Animal 1	3	255	0.209
Unknown 4	503	34790	34.98
36	1438	104828	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Frenchburg 3

1. SUBSTATION NAME AND NUMBER

Frenchburg E19

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Menifee County- HWY 36- Frenchburg KY

3. CIRCUIT NAME AND NUMBER

Frenchburg 3

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

Frenchburg / HWY 1274

5. TOTAL CIRCUIT LENGTH (MILES)

24.505

6. CUSTOMER COUNT FOR THIS CIRCUIT

459

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

80.02

10. REPORTING YEAR (SAIDI)

248.32

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.77

12. REPORTING YEAR (SAIFI)

1.28

13. CORRECTIVE ACTION PLAN

Summer storm broke 5 poles in a congested areathese poles were approximately 1/2 mile from the sub

FRNBURG3

Dlamad	Customer	Customer Minutes	%
Planned 13	596	115828	96.6
Equipment 3	6	476	0.972
Weather 2	10	690	1.621
Animal 2	5	527	0.81
20	617	117521	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Hardwicks Creek 2

1. SUBSTATION NAME AND NUMBER

Hardwicks Creek E107

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Powell County- Spouts Springs- Clay City KY

3. CIRCUIT NAME AND NUMBER

Hardwicks Creek 2- Hardwicks Creek to Clay City

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

HWY 1057 North to Clay City

5. TOTAL CIRCUIT LENGTH (MILES)

4.586

6. CUSTOMER COUNT FOR THIS CIRCUIT

39

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

See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

31.85

10. REPORTING YEAR (SAIDI)

32.03

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.33

12. REPORTING YEAR (SAIFI)

0.17

13. CORRECTIVE ACTION PLAN

No corrective action plan at this time

HARDWICKS2

	Customer	Customer Minutes	%
Planned 1	7	1288	77.78
Weather 1	2	26	22.22
2	9	1314	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1: High Rock 1

1. SUBSTATION NAME AND NUMBER

High Rock E101

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Powell County- South Fork- Stanton KY

3. CIRCUIT NAME AND NUMBER

High Rock 1- SouthFork

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

South Fork Road/Pilot Road

5. TOTAL CIRCUIT LENGTH (MILES)

37.152

6. CUSTOMER COUNT FOR THIS CIRCUIT

192

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

243.18

10. REPORTING YEAR (SAIDI)

331.97

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.57

12. REPORTING YEAR (SAIFI)

1.34

13. CORRECTIVE ACTION PLAN

Summer storm- weather related outages- No corrective

action plan at this time

HIGHROCK1

Di	Customer	Customer Minutes	%
Planned 13	180	66949	61.22
Weather 8	45	37203	15.31
Animal 1	1	79	0.34
Public 2	56	14300	19.05
Unknown 5	12	711	4.082
29	294	119242	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Hinkston 2

1. SUBSTATION NAME AND NUMBER

Hinkston E66

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Montgomery County- Hinkston Pike- Mt. Sterling KY

3. CIRCUIT NAME AND NUMBER

Hinkston 2-

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

Hinkston Pike/ Van Thompson

5. TOTAL CIRCUIT LENGTH (MILES)

30.555

6. CUSTOMER COUNT FOR THIS CIRCUIT

421

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

39.98

10. REPORTING YEAR (SAIDI)

234.89

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.32

12. REPORTING YEAR (SAIFI)

2.58

13. CORRECTIVE ACTION PLAN

No corrective action plan at this time- weather related

outages due to summe storm

Hinkston2

Planned 5 178 6778 16.92 Equipment 2 51 1937 4.847 Maintenance 3 413 17081 39.25 Weather 5 9 1891 0.855 Animal 2 3 223 0.285	
2 51 1937 4.847 Maintenance 3 413 17081 39.25 Weather 5 9 1891 0.855 Animal	9
3 413 17081 39.25 Weather 5 9 1891 0.855 Animal	
5 9 1891 0.855 Animal	9
	5
·	2
Public 1 191 0.095	1
Unknown1 397 67887 37.73	8
19 1052 95988 100	

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1: Hope 2

1. SUBSTATION NAME AND NUMBER Hope E2

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Bath/Montgomery County- Hope Means Road- Mt. Sterlin

3. CIRCUIT NAME AND NUMBER Hope 2- Hope Means Road

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Hope Means Road

5. TOTAL CIRCUIT LENGTH (MILES) 31.103

6. CUSTOMER COUNT FOR THIS CIRCUIT 364

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 82.29

10. REPORTING YEAR (SAIDI) 83.7

11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.14

12. REPORTING YEAR (SAIFI) 0.51

13. CORRECTIVE ACTION PLAN

No Corrective action plan needed at this time- flooding caused a

large outage that made it difficult to remove tree that had fallen

HOPE2				
	Customer	Customer Minutes	%	
Planned 5	480	61886	88.89	
Equipment 1	7	490	1.296	
Weather 2	3	750	0.556	
Animal 3	10	1155	1.852	
Public 1	31	7378	5.741	
Unknown 4	9	576	1.667	
16	540	72235	100	

.

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Hunt 2

1. SUBSTATION NAME AND NUMBER

Hunt N1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Clark County- Jackson Ferry Road- Winchester KY

3. CIRCUIT NAME AND NUMBER

Hunt 2- Red River

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

Winchester - Red River

5. TOTAL CIRCUIT LENGTH (MILES)

27.276

6. CUSTOMER COUNT FOR THIS CIRCUIT

137

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

106.23

10. REPORTING YEAR (SAIDI)

263.87

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.64

12. REPORTING YEAR (SAIFI)

1.46

13. CORRECTIVE ACTION PLAN

No Corrective action plan at this time- 1 significant power supply

outage and several weather related outages

HUNT2				
	Customer	Customer Minutes	%	
Planned 2	116	19457	59.49	
Equipment 2	66	13202	33.85	
Weather 4	10	2219	5.128	
Animal 1	2	180	1.026	
Unknown 1	1	172	0.513	
10	195	35230	100	

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Jeffersonville 1

1. SUBSTATION NAME AND NUMBER

Jeffersonville E87

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Montgomery County- HWY 1050- Mt. Sterling

3. CIRCUIT NAME AND NUMBER

Jeffersonville 1- HWY 599

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

Jeffersonville- Willoughbytown/HWY 599

5. TOTAL CIRCUIT LENGTH (MILES)

65.738

6. CUSTOMER COUNT FOR THIS CIRCUIT

930

7.. DATE OF LAST CIRCUIT TRIM (VM)

2016

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

NUMBERS REPRESENTED BY EACH CAUSE

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

114.65

10. REPORTING YEAR (SAIDI)

298.03

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.36

12. REPORTING YEAR (SAIFI)

1.72

13. CORRECTIVE ACTION PLAN

No corrective action plan- weather caused arc over - VWVE failed

JVILLE1				
	Customer	Customer Minutes	%	
Planned 16	342	43601	21.63	
Equipment 6	1049	215502	66.35	
Weather 13	120	8799	7.59	
Animal 4	21	1298	1.328	
Public 3	40	3053	2.53	
Unknown 4	9	906	0.569	
46	1581	273159	100	

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Mariba 1

1. SUBSTATION NAME AND NUMBER

Mariba E85

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Menifee County- Kendrick Ridge-Frenchburg

3. CIRCUIT NAME AND NUMBER

Mariba 1-

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

Frenchburg- HWY 460/ McCausey Ridge

5. TOTAL CIRCUIT LENGTH (MILES)

9.008

6. CUSTOMER COUNT FOR THIS CIRCUIT

117

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

19.88

10. REPORTING YEAR (SAIDI)

39.97

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.33

12. REPORTING YEAR (SAIFI)

0.54

13. CORRECTIVE ACTION PLAN

no corrective action plan- outages were related to

weather and trees due to storms

MARIBA1				
	Customer (Customer Minutes	%	
Planned 2	44	2664	68.75	
Equipment 1	7	518	10.94	
Weather 2	10	1219	15.63	
Animal 1	3	330	4.688	
6	64	4731	100	

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Mt. Sterling 1

1. SUBSTATION NAME AND NUMBER

Mt. Sterling N32

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Montgomery County- HWY 11- Mt. Sterling

3. CIRCUIT NAME AND NUMBER

Mt. Sterling 1-

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

HWY 11/Fogg Pike

5. TOTAL CIRCUIT LENGTH (MILES)

18.507

6. CUSTOMER COUNT FOR THIS CIRCUIT

333

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

60.83

10. REPORTING YEAR (SAIDI)

89.5

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.98

12. REPORTING YEAR (SAIFI)

0.42

13. CORRECTIVE ACTION PLAN

No Corrective action plan- several large weather related issues

MTSTRLG1	Customor	Customer Minutes	%	
Planned				
10	38	5122	27.74	
Equipment 1	6	366	4.38	
Weather 3	63	20053	45.99	
Animal 4	22	2394	16.06	
Unknown	_	10-4		
2	8	1276	5.839	
20	137	29211	100	•
·				

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Mt. Sterling 2

1. SUBSTATION NAME AND NUMBER

Mt. Sterling N32

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Montgomery- HWY 11- Mt. Sterling

3. CIRCUIT NAME AND NUMBER

Mt. Sterling 2-

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

HWY 11/ Levee Road

5. TOTAL CIRCUIT LENGTH (MILES)

59.292

6. CUSTOMER COUNT FOR THIS CIRCUIT

667

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

77.61

10. REPORTING YEAR (SAIDI)

330.98

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.89

12. REPORTING YEAR (SAIFI)

1.91

13. CORRECTIVE ACTION PLAN

Pole top broken- circuit had to be de-energized to

change pole out safely

MTSTRLG2				
	Customer	Customer Minutes	%	
Planned				
24	997	188873	79.82	
Equipment				
4	6	1176	0.48	
Weather				
12	130	27957	10.41	
A * 1				
Animal	_			
3	4	362	0.32	
Unknown				
2	112	9192	8.967	
45	1249	227560	100	
CF	エとサブ	22/300	100	

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Reid Village 2

1. SUBSTATION NAME AND NUMBER

Reid Village N64

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Montgomery County- HWY 60- Mt. Sterling

3. CIRCUIT NAME AND NUMBER

Reid Village 2

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

Prewitt Pike/Fogg Pike

5. TOTAL CIRCUIT LENGTH (MILES)

13.471

6. CUSTOMER COUNT FOR THIS CIRCUIT

393

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

See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAID!)

38.57

10. REPORTING YEAR (SAIDI)

29.21

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.28

12. REPORTING YEAR (SAIFI)

0.3

13. CORRECTIVE ACTION PLAN

No Corrective action- Summer storm broke to poles on

3 phase circuit

RDVILLAGE2

	Customer	Customer Minutes	%
Planned 11	63	5499	51.64
Equipment 2	12	2770	9.836
Weather 2	6	291	4.918
Animal 2	35	3299	28.69
Public 1	6	1614	4.918
18	122	13473	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Sideview 1

1. SUBSTATION NAME AND NUMBER

Sideview N2

2, SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Clark County- Chiles HWY- Winchester

3. CIRCUIT NAME AND NUMBER

Sideview 1-

4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA) Paris Pike/Plum Lick

5. TOTAL CIRCUIT LENGTH (MILES)

60.766

6. CUSTOMER COUNT FOR THIS CIRCUIT

353

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

284.94

10. REPORTING YEAR (SAIDI)

204

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.66

12. REPORTING YEAR (SAIFI)

1.77

13. CORRECTIVE ACTION PLAN

No corrective action plan- summer storms

SIDEVIEW1			
	Customer	Customer Minutes	%
Planned 19	812	86556	93.23
Equipment 2	2	311	0.23
Weather 5	14	4430	1.607
Animal 4	10	896	1.148
Unknown 3	33	3783	3.789
33	871	95976	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Sideview 4

1. SUBSTATION NAME AND NUMBER

Sideview N2

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Clark County- Chiles HWY - Winchester

3. CIRCUIT NAME AND NUMBER

Sideview 4

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

Big Stoner Road

5. TOTAL CIRCUIT LENGTH (MILES)

82.791

6. CUSTOMER COUNT FOR THIS CIRCUIT

487

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

See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

92.65

10. REPORTING YEAR (SAID!)

165.02

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

1.08

12. REPORTING YEAR (SAIFI)

1.12

13. CORRECTIVE ACTION PLAN

No corrective action plan- summer storms

SIDEVIEW4

Dlamad	Customer	Customer Minutes	%
Planned 22	283	99717	45.06
Equipment 3	164	18610	26.11
Weather 10	58	8658	9.236
Animal 3	56	23236	8.917
Public 1	1	201	0.159
Unknown 9	66	6443	10.51
48	628	156865	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Stanton 1

1. SUBSTATION NAME AND NUMBER Stanton E1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Powell County-Halls Road- Stanton KY

3. CIRCUIT NAME AND NUMBER

Stanton 1-

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

5. TOTAL CIRCUIT LENGTH (MILES)

7.142

6. CUSTOMER COUNT FOR THIS CIRCUIT

504

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 28.79

10. REPORTING YEAR (SAIDI)

52.85

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.37

12. REPORTING YEAR (SAIFI)

0.67

13. CORRECTIVE ACTION PLAN

STANTON1			
	Customer	Customer Minutes	%
Planned 8	84	14181	25.07
Equipment 1	27	3888	8.06
Animal 1	224	8339	66.87

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Stanton 2

1. SUBSTATION NAME AND NUMBER

Stanton E1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Powell County- Halls Road- Stanton KY

3. CIRCUIT NAME AND NUMBER

Stanton 2-

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

East College Avenue/Roslyn

5. TOTAL CIRCUIT LENGTH (MILES)

26.075

6. CUSTOMER COUNT FOR THIS CIRCUIT

602

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

39.99

10. REPORTING YEAR (SAIDI)

78.92

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.73

12. REPORTING YEAR (SAIFI)

1.03

13. CORRECTIVE ACTION PLAN

Equipment failure due to animals- equipment replaced-

no further action needed

STANTON:)			
	Customer	Customer Minutes	%	
Planned 18	168	17631	26.09	
Equipmer 4	nt 50	5486	7.764	
Weather 4	. 15	2144	2.329	
Animal 9	361	23542	56.06	
Public 1	26	1508	4.037	
Unknowr 2	า 24	1266	3.727	
38	644	51577	100	

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Stanton 3

1. SUBSTATION NAME AND NUMBER

Stanton E1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Powell County- Halls Road- Stanton KY

3. CIRCUIT NAME AND NUMBER

Stanton 3

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

Hatton Creek/Furnace Mtn.

5. TOTAL CIRCUIT LENGTH (MILES)

43.427

6. CUSTOMER COUNT FOR THIS CIRCUIT

602

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

41.68

10. REPORTING YEAR (SAIDI)

184.1

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.55

12. REPORTING YEAR (SAIFI)

1.07

13. CORRECTIVE ACTION PLAN

Pole washed out in remote area- no ability to backfeed-

pole changed out- no further action needed

STANTON3	•			
	Customer	Customer Minutes	%	
Planned 23	1089	127922	60.74	
Equipment 6	136	14673	7.585	
Weather 12	514	74333	28.67	
Animal 1	3	105	0.167	
Public 1	1	43	0.056	
Unknown 8	50	5729	2.789	
51	1793	222805	100	

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Stanton 4

1. SUBSTATION NAME AND NUMBER

Stanton E1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Powell County- Halls Road- Stanton KY

3. CIRCUIT NAME AND NUMBER

Stanton 4

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

Maple Street

5. TOTAL CIRCUIT LENGTH (MILES)

8.019

6. CUSTOMER COUNT FOR THIS CIRCUIT

422

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

See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

22.01

10. REPORTING YEAR (SAIDI)

226.41

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.47

12. REPORTING YEAR (SAIFI)

1.34

13. CORRECTIVE ACTION PLAN

Several poles broken due to wind and trees-

one pole damaged by lightning

STANTON4				
	Customer	Customer Minutes	%	
Equipment 1	52	16692	9.336	
Planned 3	79	5413	14.18	
Weather 1	414	71208	74.33	
Unknown				
1	12	1044	2.154	
6	557	94357	100	

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Stanton 5

1. SUBSTATION NAME AND NUMBER

Stanton E1

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Powell County- Halls Road- Stanton KY

3. CIRCUIT NAME AND NUMBER

Stanton 5- Morris Creek

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

Morris Creek

5. TOTAL CIRCUIT LENGTH (MILES)

39.65

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
See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

71.06

10. REPORTING YEAR (SAIDI)

181.22

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.73

12. REPORTING YEAR (SAIFI)

1.26

13. CORRECTIVE ACTION PLAN

Insulators failed- time consuming repairs due to access to pole-

no further action needed

STANTON5	Customor	Customer Minutes	%	
Planned 31	446	72952	43.98	
Equipment 2	541	76106	53.35	
Weather 5	7	956	0.69	
Animal 3	8	605	0.789	
Public 1	6	204	0.592	
Unknown 4 46	6 1014	553 151376	0.592	
70	1014	1313/0	100	

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Three forks 2

1. SUBSTATION NAME AND NUMBER

Three Forks S61

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Madison County-Three Forks Road-Richmond KY

3. CIRCUIT NAME AND NUMBER

Three Forks 2- Madison Village

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

Madison Village

5. TOTAL CIRCUIT LENGTH (MILES)

12.431

6. CUSTOMER COUNT FOR THIS CIRCUIT

456

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

107.81

10. REPORTING YEAR (SAIDI)

224.42

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.86

12. REPORTING YEAR (SAIFI)

2.27

13. CORRECTIVE ACTION PLAN

several tree related outages- several weather related outagesright of way has been cut- no further corrective action needed

THRFRKS2				
	Customer	Customer Minutes	%	
Planned	0.45	00726	01.0	
9	945	89726	91.3	
Equipment				
2	30	3404	2.899	
Weather	_	2.40		
1	3	249	0.29	
Animal				
1	57	9120	5.507	
13	1035	102499	100	
13	1033	102499	100	
		•		

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Trapp 1

1. SUBSTATION NAME AND NUMBER

Trapp E90

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Clark County- Trapp Goffs Corner Road- Trapp

3. CIRCUIT NAME AND NUMBER

Trapp 1

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

Trapp Goffs Corner Road

5. TOTAL CIRCUIT LENGTH (MILES)

23.943

6. CUSTOMER COUNT FOR THIS CIRCUIT

207

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

See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

97.09

10. REPORTING YEAR (SAIDI)

130.33

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.84

12. REPORTING YEAR (SAIFI)

0.92

13. CORRECTIVE ACTION PLAN

Weather related outages were the largest contributing factor-

Some tree related growth that has been addressed

TRAPP1	Customer	Customer Minutes	%	
Planned 5	43	2101	22.51	
Equipment 2	72	15300	37.7	
Weather 1	1	67	0.524	
Animal 1	2	138	1.047	
Unknown 2	73	9309	38.22	
11	191	26915	100	
	-			

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Trapp 2

1. SUBSTATION NAME AND NUMBER

Trapp E90

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Clark County- Trapp Goffs Corner Road- Trapp

3. CIRCUIT NAME AND NUMBER

Trapp 2

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

Trapp/Log Lick Road

5. TOTAL CIRCUIT LENGTH (MILES)

36.89

6. CUSTOMER COUNT FOR THIS CIRCUIT

330

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

See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

96.97

10. REPORTING YEAR (SAIDI)

133.07

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.47

12. REPORTING YEAR (SAIFI)

0.6

13. CORRECTIVE ACTION PLAN

Weather related outages- no corrective action plan needed

TRAPP2

	Customer	Customer Minutes	%
Planned 11	149	37182	60.32
Weather 3	32	17148	12.96
Animal 2	4	279	1.619
Public 1	23	4945	9.312
Unknown 6	39	3946	15.79
23	247	63500	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Trapp 3

1. SUBSTATION NAME AND NUMBER

Trapp E90

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)

Clark County-Trapp Goffs Corner Road-Trap

3. CIRCUIT NAME AND NUMBER

Trapp 3

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

Hwy 89/Red River

5. TOTAL CIRCUIT LENGTH (MILES)

34.582

6. CUSTOMER COUNT FOR THIS CIRCUIT

239

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 See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

54.57

10. REPORTING YEAR (SAIDI)

430.1

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.42

12. REPORTING YEAR (SAIFI)

2.94

13. CORRECTIVE ACTION PLAN

Weather related outages- no corrective action plan needed

TRAPP3

		Customer	Customer Minutes	%
Planned {	8	314	47708	45.38
Weather	9	32	6779	4.624
Animal	6	16	1312	2.312
Unknown				
10	0	330	49214	47.69
33	3	692	105013	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Treehaven 3

1. SUBSTATION NAME AND NUMBER

Treehaven N66

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Clark County- Rockwell Road- Winchester

3. CIRCUIT NAME AND NUMBER

Treehaven 3

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

Rockwell Road

5. TOTAL CIRCUIT LENGTH (MILES)

1.763

6. CUSTOMER COUNT FOR THIS CIRCUIT

141

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

See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

6.47

10. REPORTING YEAR (SAIDI)

50.98

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.04

12. REPORTING YEAR (SAIFI)

0.45

13. CORRECTIVE ACTION PLAN

Power Supply related outages

TREEHAVEN3

Diamad	Customer	Customer Minutes	%
Planned 1	4	52	6.25
Equipment 1	56	11536	87.5
Animal 1	4	172	6.25
3	64	11760	100:

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Treehaven 4

1. SUBSTATION NAME AND NUMBER

Treehaven N66

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Clark County- Rockwell Road- Winchester

3. CIRCUIT NAME AND NUMBER

Treehaven 4

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

Treehaven Mobile Home Park

5. TOTAL CIRCUIT LENGTH (MILES)

1.096

6. CUSTOMER COUNT FOR THIS CIRCUIT

89

2015

7.. DATE OF LAST CIRCUIT TRIM (VM)

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

9. CIRCUIT 5 YEAR AVERAGE (SAID!)

20.33

10. REPORTING YEAR (SAIDI)

47.58

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.22

12. REPORTING YEAR (SAIFI)

0.41

13. CORRECTIVE ACTION PLAN

Power Supply related outages

TREEHAVEN4

	Customer	Customer Minutes	%
Planned 1	2	234	5.405
Animal 2	35	4072	94.59
3	37	4306	100

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

Union City 3

1. SUBSTATION NAME AND NUMBER

Union City S90

2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN) Madison County- Union City Road- Richmond KY

3. CIRCUIT NAME AND NUMBER

Union City 3

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

Doylesville

5. TOTAL CIRCUIT LENGTH (MILES)

16.693

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

See Attached

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)

91.53

10. REPORTING YEAR (SAIDI)

146.55

11. CIRCUIT 5 YEAR AVERAGE (SAIFI)

0.53

12. REPORTING YEAR (SAIFI)

2.03

13. CORRECTIVE ACTION PLAN

Car accident with pole broken- pole changed out- no further

UNIONCITY3

Diamand	Customer	Customer Minutes	%
Planned 14	450	39326	72
Equipment 4	92	13673	14.72
Weather 2	71	18773	11.36
Animal 1	4	520	0.64
Unknown 4	8	1176	1.28
25	625	73468	100

12. REPORTING YEAR (SAIFI)

13. CORRECTIVE ACTION PLAN

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:	VAnMeter 2			
1. SUBSTATION NAM	ME AND NUMBER	VanMeter N36		
2. SUBSTATION LO	CATION (COUNTY-RC	AD-TOWN) Clar	k County- VanMeter- Winches	ster
3. CIRCUIT NAME AI	ND NUMBER	VanMeter 2		
4. CIRCUIT LOCATIO	ON (TOWN-ROAD-GE	NERAL AREA)	Clintonville	
5. TOTAL CIRCUIT L	ENGTH (MILES)	6.69		
6. CUSTOMER COU	NT FOR THIS CIRCUI	T 61		
7 DATE OF LAST C	RCUIT TRIM (VM)	2015		
	AUSES FOR CIRCUIT ESENTED BY EACH O		ERCENTAGE OF TOTAL OUT Attached	TAGE NUMBERS
9. CIRCUIT 5 YEAR	AVERAGE (SAIDI)	23.75		
10. REPORTING YEA	AR (SAIDI)	57.2		
11. CIRCUIT 5 YEAR	AVERAGE (SAIFI)	0.27		

0.54

VANMTR2

5 1	Customers	Customer Minutes	%
Planned 2	2	1521	5.882
Animal 2	31	1975	91.18
Unknown 1	1	87	2.941
5	34	3583	100

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

Additional page may be attached as needed.

	In 2019 Clark Energy will be tracking the progress of rights-of-way cutting by utilizing our mapping system. The Right of Way Coordinator will be marking the map according to what has been cut. Clark Energy will be using 7 crews to cut circuits on our system and also to cut problem areas that have caused outages. There will be a spray crew that will be spraying approximately 250 mile of line in 2019.	
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SECTION 7: UTILITY COMMENTS

Clark Energ experienced two substantial storms in 2018 contributing to higher SAIDI and SAIFI numbers on several of the 74 circuits that we have. Clark Energy also experienced high volumes of rain during the year causing Rights-of- Way more difficult to manage.
Information that has been gathered is being utilized to improve relability in several of the effected circuits.