



JACKSON ENERGY COOPERATIVE

A Touchstone Energy Cooperative 

115 Jackson Energy Lane
McKee, Kentucky 40447
Telephone (606) 364-1000 • Fax (606) 364-1007

RECEIVED

APR 10 2015

PUBLIC SERVICE
COMMISSION

April 1, 2015

Director of Engineering
Kentucky Public Service Commission
211 Sower Blvd.
PO Box 615
Frankfort, KY 40602-0615

Re: Jackson Energy Cooperative: 2014 Annual Reliability Report
Administrative Case No. 2011-00450

Jackson Energy Cooperative respectfully submits the 2014 Annual Reliability report per the order dated July 9, 2013 in Administrative Case No. 2011-00450.

Please inform me if any further information is required.

Sincerely,

Clayton Oswald
Attorney for Jackson Energy Cooperative

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	Jackson Energy Cooperative
REPORT PREPARED BY	Ricky Caudill
E-MAIL ADDRESS OF PREPARER	rickcaudill@jacksonenergy.com
PHONE NUMBER OF PREPARER	606-364-9217

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2014
-------------------------	------

SECTION 3: MAJOR EVENT DAYS

T_{MED}	12.014
FIRST DATE USED TO DETERMINE T_{MED}	1/1/2014
LAST DATE USED TO DETERMINE T_{MED}	12/31/2014
NUMBER OF MED IN REPORT YEAR	6

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	<u>51443</u>	TOTAL CIRCUITS	<u>112</u>
-----------------	--------------	----------------	------------

Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>172.28</u>	SAIDI	<u>2014</u>
SAIFI	<u>1.5406</u>	SAIFI	<u>2014</u>

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>277.38</u>	SAIDI	<u>2014</u>
SAIFI	<u>1.7594</u>	SAIFI	<u>2014</u>

Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April 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, CAIDI, and T_{MED}

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:

1. SUBSTATION NAME AND NUMBER Annville
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Welchburg Egypt Rd., Annville KY 40402
3. CIRCUIT NAME AND NUMBER Bond F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 3630 toward Bond
5. TOTAL CIRCUIT LENGTH (MILES) 78.7
6. CUSTOMER COUNT FOR THIS CIRCUIT 734
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2010
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	2.53%	2.50%
Equipment	3.20%	2.93%
Lightning	6.82%	5.95%
Maintenance	0.15%	0.26%
Major Storm	3.05%	1.98%
Squirrel	5.64%	5.09%
Tree/Limb in ROW	0.12%	0.26%
Tree/Limb out of ROW	51.59%	67.33%
Unknown Cause	11.55%	7.93%
Vines/Kudzu	0.14%	0.17%
Wind	13.29%	3.88%
Woodcutter	1.91%	1.72%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 55
10. REPORTING YEAR (SAIDI) 94.00
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.8861
12. REPORTING YEAR (SAIFI) 1.5804
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #2:

1. SUBSTATION NAME AND NUMBER Annville
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Welchburg Egypt Rd., Annville KY 40402
3. CIRCUIT NAME AND NUMBER Greenhill F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Greenhill Road to Sugar Camp - Moores Camp Road
5. TOTAL CIRCUIT LENGTH (MILES) 68.9
6. CUSTOMER COUNT FOR THIS CIRCUIT 370
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2008 / Scheduled for 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Bad Connection	0.15%	0.16%
Deterioration	6.89%	4.57%
Equipment	0.23%	0.33%
Lightning	11.90%	7.34%
Maintenance	0.57%	0.98%
ROW Crew	2.94%	4.40%
Squirrel	5.34%	4.40%
Tree/Limb in ROW	3.34%	5.71%
Tree/Limb out of ROW	36.82%	37.85%
Unknown Cause	19.30%	29.20%
Wind	12.52%	5.06%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 140
 10. REPORTING YEAR (SAIDI) 161
 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.324
 12. REPORTING YEAR (SAIFI) 1.6568
 13. CORRECTIVE ACTION PLAN None
-
-

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #3:

1. SUBSTATION NAME AND NUMBER Annville
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Welchburg Egypt Rd., Annville KY 40402
3. CIRCUIT NAME AND NUMBER Tyner F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Jackson County feeding toward Tyner
5. TOTAL CIRCUIT LENGTH (MILES) 6
6. CUSTOMER COUNT FOR THIS CIRCUIT 34
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	45.13%	50.00%
Lightning	45.53%	47.22%
Wind	9.34%	2.78%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 36
10. REPORTING YEAR (SAIDI) 52
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.781
12. REPORTING YEAR (SAIFI) 1.0588
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #4:

1. SUBSTATION NAME AND NUMBER Beattyville
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
1251 HWY 52 East, Beattyville, KY 41311
3. CIRCUIT NAME AND NUMBER Heidelberg F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 52, HWY 11 and across hills to Heidelberg
5. TOTAL CIRCUIT LENGTH (MILES) 86.7
6. CUSTOMER COUNT FOR THIS CIRCUIT 712
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2011
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIFI
Animal / Bird	0.83%
Deterioration	0.25%
Equipment	1.14%
Lightning	4.96%
Maintenance	21.48%
Major Storm	0.40%
Other Utilities	23.39%
Scheduled	3.64%
Squirrel	2.00%
Tree/Limb in ROW	2.65%
Tree/Limb out of ROW	32.70%
Unknown Cause	3.42%
Vines/Kudzu	1.85%
Wind	1.29%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 433
 10. REPORTING YEAR (SAIDI) 406
 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 4.5313
 12. REPORTING YEAR (SAIFI) 4.5576
 13. CORRECTIVE ACTION PLAN None
-
-

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #5:

1. SUBSTATION NAME AND NUMBER Big Creek
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
100 North Hwy. 66, Manchester, KY 40962
3. CIRCUIT NAME AND NUMBER Flat Creek F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 421 and Big Creek Road
5. TOTAL CIRCUIT LENGTH (MILES) 53.3
6. CUSTOMER COUNT FOR THIS CIRCUIT 532
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	1.35%	1.44%
Bad Connection	0.01%	0.04%
Equipment	0.95%	3.11%
Ice	0.59%	0.37%
Lightning	19.46%	16.67%
Maintenance	8.26%	20.19%
Squirrel	0.02%	0.04%
Tree/Limb in ROW	0.14%	0.11%
Tree/Limb out of ROW	38.32%	26.70%
Unknown Cause	0.99%	1.52%
Vandals	0.27%	0.22%
Vehicles	22.04%	22.81%
Vines/Kudzu	2.38%	3.19%
Wind	5.23%	3.59%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 651
 10. REPORTING YEAR (SAIDI) 884
 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.2852
 12. REPORTING YEAR (SAIFI) 5.0752
 13. CORRECTIVE ACTION PLAN None
-
-

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #6:

1. SUBSTATION NAME AND NUMBER Big Creek
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
100 North Hwy. 66, Manchester, KY 40962
3. CIRCUIT NAME AND NUMBER Jacks Creek F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 66 to Hector Road and Joe Gilbert Road
5. TOTAL CIRCUIT LENGTH (MILES) 25.6
6. CUSTOMER COUNT FOR THIS CIRCUIT 142
7. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	2.30%	3.51%
Equipment	0.25%	0.44%
Lightning	2.50%	3.95%
Major Storm	17.53%	10.09%
Squirrel	8.99%	11.84%
Tree/Limb out of ROW	36.82%	37.72%
Unknown Cause	31.62%	32.46%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 170
10. REPORTING YEAR (SAIDI) 241
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.2363
12. REPORTING YEAR (SAIFI) 1.6056
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #7:

1. SUBSTATION NAME AND NUMBER Booneville
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Kash Brandenburg Cemetery Rd., Bonneville, KY 41314
3. CIRCUIT NAME AND NUMBER Levi F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 3504, HWY 11 to Tinchier Hill Rd and Silo Rd
5. TOTAL CIRCUIT LENGTH (MILES) 51.8
6. CUSTOMER COUNT FOR THIS CIRCUIT 426
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2010
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Deterioration	13.44%	6.62%
Equipment	1.97%	1.78%
Lightning	7.44%	6.62%
Maintenance	5.60%	27.90%
Major Storm	1.20%	0.38%
Scheduled	35.60%	30.19%
Squirrel	3.11%	4.59%
Tree/Limb in ROW	0.98%	2.04%
Tree/Limb out of ROW	27.60%	14.90%
Unknown Cause	2.96%	4.84%
Vines/Kudzu	0.10%	0.13%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 103
10. REPORTING YEAR (SAIDI) 202
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.182
12. REPORTING YEAR (SAIFI) 1.8427
13. CORRECTIVE ACTION PLAN

The feeder will be patrolled to determine which trees, in the ROW, need to be trimmed.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #8:

1. SUBSTATION NAME AND NUMBER Booneville
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Kash Brandenburg Cemetery Rd., Bonneville, KY 41314
3. CIRCUIT NAME AND NUMBER Scoville F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
City of Booneville and Southwest along HWY 11 toward South Fork
5. TOTAL CIRCUIT LENGTH (MILES) 42
6. CUSTOMER COUNT FOR THIS CIRCUIT 524
- 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

	SAIFI
Equipment	0.41%
Lightning	0.81%
Major Storm	0.41%
Squirrel	1.76%
Tree/Limb in ROW	9.09%
Tree/Limb out of ROW	73.68%
Unknown Cause	13.84%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 80
 10. REPORTING YEAR (SAIDI) 54
 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.2039
 12. REPORTING YEAR (SAIFI) 1.4065
 13. CORRECTIVE ACTION PLAN None
-
-

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #9:

1. SUBSTATION NAME AND NUMBER Brodhead
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Hwy 1505, Brodhead, KY 40409
3. CIRCUIT NAME AND NUMBER Brindle Ridge F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Along HWY 1505 east of Brodhead and north of Mt Vernon
5. TOTAL CIRCUIT LENGTH (MILES) 95.8
6. CUSTOMER COUNT FOR THIS CIRCUIT 686
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2011
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	42.67%	54.61%
Equipment	2.07%	1.33%
Lightning	11.04%	9.02%
Maintenance	0.04%	0.33%
Major Storm	3.16%	0.46%
Overload	0.06%	0.07%
Squirrel	5.04%	5.44%
Tree/Limb in ROW	0.90%	2.52%
Tree/Limb out of ROW	14.88%	7.23%
Unknown Cause	16.74%	16.39%
Vines/Kudzu	3.40%	2.59%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 161
10. REPORTING YEAR (SAIDI) 199
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.5583
12. REPORTING YEAR (SAIFI) 2.1968
13. CORRECTIVE ACTION PLAN None
Animal guards are installed after outages caused by animals or birds.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #10:

1. SUBSTATION NAME AND NUMBER Brodhead
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Hwy 1505, Brodhead, KY 40409
3. CIRCUIT NAME AND NUMBER Orlando F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Southeast of Brodhead toward Mt Vernon and Renfro Valley
5. TOTAL CIRCUIT LENGTH (MILES) 42.8
6. CUSTOMER COUNT FOR THIS CIRCUIT 282
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2010
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI
Animal / Bird	0.20%
Equipment	2.53%
Lightning	3.13%
Maintenance	0.70%
Squirrel	1.91%
Tree/Limb in ROW	10.62%
Tree/Limb out of ROW	0.82%
Unknown Cause	17.48%
Wind	62.60%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 107
10. REPORTING YEAR (SAIDI) 155
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.9611
12. REPORTING YEAR (SAIFI) 0.7376
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #11:

1. SUBSTATION NAME AND NUMBER Brodhead
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Hwy 1505, Brodhead, KY 40409
3. CIRCUIT NAME AND NUMBER Quail F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
South of Brodhead along HWY 70
5. TOTAL CIRCUIT LENGTH (MILES) 84.6
6. CUSTOMER COUNT FOR THIS CIRCUIT 597
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2009 / Scheduled for 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.55%	0.67%
Equipment	5.68%	4.40%
Fire	0.16%	0.18%
Lightning	0.97%	0.67%
Scheduled	7.00%	2.02%
Squirrel	0.60%	0.79%
Tree/Limb in ROW	0.41%	0.31%
Tree/Limb out of ROW	5.95%	5.25%
Unknown Cause	0.35%	0.61%
Vines/Kudzu	0.91%	0.92%
Wind	1.01%	0.37%
Woodcutter	76.43%	83.81%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 202
 10. REPORTING YEAR (SAIDI) 272
 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.1464
 12. REPORTING YEAR (SAIFI) 2.742
 13. CORRECTIVE ACTION PLAN None
-
-

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #12:

1. SUBSTATION NAME AND NUMBER Bush
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
6363 Tom Cat Trail, London, KY 40741
3. CIRCUIT NAME AND NUMBER Blackwater F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
East along HWY 80 and South along KY1803 toward Blackwater
5. TOTAL CIRCUIT LENGTH (MILES) 57.6
6. CUSTOMER COUNT FOR THIS CIRCUIT 434
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	1.75%	1.76%
Bad Connection	0.09%	0.11%
Equipment	1.01%	1.21%
Ice	21.71%	4.39%
Lightning	5.13%	4.72%
Major Storm	11.22%	3.84%
Squirrel	9.69%	12.40%
Tree/Limb in ROW	35.13%	51.92%
Tree/Limb out of ROW	3.56%	5.93%
Unknown Cause	8.12%	11.64%
Vehicles	2.26%	1.76%
Wind	0.31%	0.33%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 153
10. REPORTING YEAR (SAIDI) 207
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.4517
12. REPORTING YEAR (SAIFI) 2.0991
13. CORRECTIVE ACTION PLAN None
Tree in ROW outage numbers due to one outage affecting 473 consumers for 67 minutes.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #13:

1. SUBSTATION NAME AND NUMBER Bush
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
6363 Tom Cat Trail, London, KY 40741
3. CIRCUIT NAME AND NUMBER Bush F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Feeding area North of 1189 along HWY 521 including Crooked Creek Country Club and Lesbas
5. TOTAL CIRCUIT LENGTH (MILES) 75.9
6. CUSTOMER COUNT FOR THIS CIRCUIT 566
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.79%	1.22%
Equipment	3.47%	5.36%
Lightning	4.38%	6.21%
Major Storm	1.42%	0.73%
Overload	0.14%	0.24%
Scheduled	1.55%	1.46%
Squirrel	5.84%	9.50%
Tree/Limb in ROW	0.70%	0.97%
Tree/Limb out of ROW	54.27%	30.45%
Unknown Cause	25.34%	40.44%
Vines/Kudzu	2.11%	3.41%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 124
10. REPORTING YEAR (SAIDI) 199
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.2967
12. REPORTING YEAR (SAIFI) 1.4505
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #14:

1. SUBSTATION NAME AND NUMBER Bush
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
6363 Tom Cat Trail, London, KY 40741
3. CIRCUIT NAME AND NUMBER Lick Fork F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
East laurel Rd to HWY 488 and Tom Cat Rd
5. TOTAL CIRCUIT LENGTH (MILES) 60.9
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 REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.52%	0.82%
Equipment	5.68%	2.25%
Ice	0.26%	0.10%
Lightning	14.84%	10.52%
Maintenance	35.15%	62.51%
Scheduled	7.56%	5.11%
Squirrel	17.67%	7.46%
Tree/Limb out of ROW	3.94%	2.35%
Unknown Cause	4.46%	4.09%
Wind	9.92%	4.80%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 95
 10. REPORTING YEAR (SAIDI) 149
 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.093
 12. REPORTING YEAR (SAIFI) 2.3199
 13. CORRECTIVE ACTION PLAN None
-
-

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #17:

1. SUBSTATION NAME AND NUMBER Conway
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
US HWY 25, Berea, KY 40403
3. CIRCUIT NAME AND NUMBER Scaffold Cane F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Area East of US-25 toward Climax
5. TOTAL CIRCUIT LENGTH (MILES) 70.5
6. CUSTOMER COUNT FOR THIS CIRCUIT 469
- 7.. DATE OF LAST CIRCUIT TRIM (VM) January 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIFI
Equipment	0.49%
Fire	0.12%
Lightning	21.03%
Maintenance	0.12%
Scheduled	2.46%
Tree/Limb in ROW	28.54%
Tree/Limb out of ROW	19.80%
Unknown Cause	20.66%
Vehicles	6.52%
Wind	0.25%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 247
10. REPORTING YEAR (SAIDI) 247
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.6239
12. REPORTING YEAR (SAIFI) 1.7335
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #18:

1. SUBSTATION NAME AND NUMBER East Bernstadt
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
280 Holland Road, London, KY 40741
3. CIRCUIT NAME AND NUMBER Swiss Colony F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
West of I-75 along Glenview Road
5. TOTAL CIRCUIT LENGTH (MILES) 27.1
6. CUSTOMER COUNT FOR THIS CIRCUIT 410
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2010 / Scheduled for 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	1.31%	2.04%
Bad Connection	0.09%	0.08%
Equipment	0.12%	0.16%
Lightning	66.37%	34.31%
Major Storm	0.19%	0.08%
Overload	0.06%	0.08%
Squirrel	0.04%	0.08%
Tree/Limb out of ROW	0.06%	0.16%
Unknown Cause	31.78%	63.00%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 72
10. REPORTING YEAR (SAIDI) 257
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.9118
12. REPORTING YEAR (SAIFI) 2.9927
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #19:

1. SUBSTATION NAME AND NUMBER Eberle
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
1601 Mt. Zion Rd., East Bernstadt, KY 40729
3. CIRCUIT NAME AND NUMBER Letterbox F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Eberle Rd, KY 2003, Nichols Br. Rd,
5. TOTAL CIRCUIT LENGTH (MILES) 68.1
6. CUSTOMER COUNT FOR THIS CIRCUIT 437
7. DATE OF LAST CIRCUIT TRIM (VM) 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.99%	2.35%
Equipment	5.22%	4.71%
Lightning	5.72%	5.88%
Maintenance	5.06%	2.69%
Major Storm	5.58%	0.50%
Overload	0.11%	0.17%
Scheduled	5.20%	8.07%
Squirrel	0.60%	1.34%
Tree/Limb in ROW	0.20%	0.17%
Tree/Limb out of ROW	31.25%	23.03%
Unknown Cause	2.80%	4.03%
Wind	37.26%	47.06%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 113
10. REPORTING YEAR (SAIDI) 137
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.1105
12. REPORTING YEAR (SAIFI) 1.3616
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #20:

1. SUBSTATION NAME AND NUMBER Eberle
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
1601 Mt. Zion Rd., East Bernstadt, KY 40729
3. CIRCUIT NAME AND NUMBER Peoples F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Baldwin Rd, Victory Rd, Victory-Greenmount Rd, Chandler Rd, HWY 30
5. TOTAL CIRCUIT LENGTH (MILES) 65.4
6. CUSTOMER COUNT FOR THIS CIRCUIT 393
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2010
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIFI
Animal / Bird	3.69%
Equipment	1.38%
Ice	7.37%
Lightning	12.44%
Maintenance	4.61%
Squirrel	1.38%
Tree/Limb in ROW	0.69%
Tree/Limb out of ROW	55.53%
Unknown Cause	12.90%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 115
10. REPORTING YEAR (SAIDI) 109
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.0098
12. REPORTING YEAR (SAIFI) 1.1043
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #22:

1. SUBSTATION NAME AND NUMBER Fall Rock
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
5699 N. Highway 421 Manchester, KY 40962
3. CIRCUIT NAME AND NUMBER Greenbriar F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Along HWY 421 to Overlook Lane
5. TOTAL CIRCUIT LENGTH (MILES) 32.4
6. CUSTOMER COUNT FOR THIS CIRCUIT 411
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2011
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI
Animal / Bird	2.87%
Lightning	0.18%
Maintenance	1.45%
Major Storm	2.40%
Squirrel	8.33%
Tree/Limb out of ROW	76.21%
Unknown Cause	5.74%
Vehicles	0.56%
Vines/Kudzu	1.14%
Wind	1.12%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 81
10. REPORTING YEAR (SAIDI) 147
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.1955
12. REPORTING YEAR (SAIFI) 1.1265
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #23:

1. SUBSTATION NAME AND NUMBER Goose Rock
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
7731 S. Highway 421 Manchester, KY 40962
3. CIRCUIT NAME AND NUMBER Big Creek F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Northeast along US-421 toward Big Creek
5. TOTAL CIRCUIT LENGTH (MILES) 17.8
6. CUSTOMER COUNT FOR THIS CIRCUIT 296
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Equipment	1.03%	1.24%
Fire	0.23%	0.35%
Lightning	33.32%	45.41%
Tree/Limb in ROW	0.39%	0.53%
Tree/Limb out of ROW	53.91%	39.75%
Unknown Cause	10.12%	12.01%
Wind	0.99%	0.71%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 148
10. REPORTING YEAR (SAIDI) 242
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.8787
12. REPORTING YEAR (SAIFI) 1.9122
13. CORRECTIVE ACTION PLAN
Hazard trees, outside the ROW, will be cut when possible in 2015.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #24:

1. SUBSTATION NAME AND NUMBER Goose Rock
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
7731 S. Highway 421 Manchester, KY 40962
3. CIRCUIT NAME AND NUMBER Clay Industrial Park F5
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Express feed to Clay Co Industrial Park
5. TOTAL CIRCUIT LENGTH (MILES) 3.8
6. CUSTOMER COUNT FOR THIS CIRCUIT 3
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Equipment	56.36%	66.67%
Ice	13.45%	8.33%
Tree/Limb in ROW	30.19%	25.00%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 112
10. REPORTING YEAR (SAIDI) 364
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.2
12. REPORTING YEAR (SAIFI) 4
13. CORRECTIVE ACTION PLAN
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #25:

1. SUBSTATION NAME AND NUMBER Goose Rock
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
7731 S. Highway 421 Manchester, KY 40962
3. CIRCUIT NAME AND NUMBER Garrad F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 421, Chop Bottom, Hal Rogers Parkway
5. TOTAL CIRCUIT LENGTH (MILES) 79
6. CUSTOMER COUNT FOR THIS CIRCUIT 993
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2011
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.57%	0.37%
Equipment	4.58%	5.28%
Fire	2.58%	1.43%
Lightning	5.14%	3.00%
Major Storm	0.24%	0.31%
Scheduled	10.22%	18.58%
Squirrel	13.77%	18.81%
Tree/Limb in ROW	2.19%	1.87%
Tree/Limb out of ROW	54.46%	45.06%
Unknown Cause	4.12%	3.85%
Vines/Kudzu	1.54%	1.19%
Wind	0.60%	0.24%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 161
10. REPORTING YEAR (SAIDI) 246
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.6544
12. REPORTING YEAR (SAIFI) 2.9547
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #26:

1. SUBSTATION NAME AND NUMBER Greenbriar
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
248 Needmore Hollow Rd., Manchester, 40962
3. CIRCUIT NAME AND NUMBER Prison F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Express feed to the Federal Prison
5. TOTAL CIRCUIT LENGTH (MILES) 0.4
6. CUSTOMER COUNT FOR THIS CIRCUIT 1
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2013
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Equipment	100.00%	100.00%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 43
10. REPORTING YEAR (SAIDI) 160
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.6
12. REPORTING YEAR (SAIFI) 2
13. CORRECTIVE ACTION PLAN

Equipment issue have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #27:

1. SUBSTATION NAME AND NUMBER Greenbriar
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
248 Needmore Hollow Rd., Manchester, 40962
3. CIRCUIT NAME AND NUMBER Fox Hollow F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Area West of Greenbriar along Hwy 638 and 687 toward Urban
5. TOTAL CIRCUIT LENGTH (MILES) 75.2
6. CUSTOMER COUNT FOR THIS CIRCUIT 330
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2014 / 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIFI
Animal / Bird	2.00%
Deterioration	1.28%
Equipment	0.14%
Lightning	11.33%
Major Storm	1.14%
Scheduled	12.05%
Squirrel	4.35%
Tree/Limb in ROW	6.41%
Tree/Limb out of ROW	7.20%
Unknown Cause	2.28%
Vines/Kudzu	46.12%
Wind	0.43%
Woodcutter	5.27%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 560
10. REPORTING YEAR (SAIDI) 547
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 3.834
12. REPORTING YEAR (SAIFI) 4.2515
13. CORRECTIVE ACTION PLAN

Vines were cleared from the affected sites as part of the outage restoration.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #28:

1. SUBSTATION NAME AND NUMBER Green Hall
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
449 Creech Rd., Tyner, KY 40486
3. CIRCUIT NAME AND NUMBER Travellers Rest F5
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Area along KY-1071 and KY-30 toward Travellers Rest
5. TOTAL CIRCUIT LENGTH (MILES) 17.8
6. CUSTOMER COUNT FOR THIS CIRCUIT 258
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2009 / Scheduled for 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Equipment	32.09%	23.51%
Lightning	3.54%	3.47%
Scheduled	3.00%	14.85%
Tree/Limb out of ROW	44.19%	45.05%
Unknown Cause	3.12%	4.95%
Wind	14.07%	8.17%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 102
10. REPORTING YEAR (SAIDI) 174
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.2129
12. REPORTING YEAR (SAIFI) 1.5659
13. CORRECTIVE ACTION PLAN
Hazard trees, outside the ROW, will be cut when possible in 2015.
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #29:

1. SUBSTATION NAME AND NUMBER Hargett
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
100 East Ky Power Lane, Irvine, KY 40336
3. CIRCUIT NAME AND NUMBER Dry Branch F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Spout Springs Rd, Winchester Rd, Dry Br. Rd, White Oak Rd
5. TOTAL CIRCUIT LENGTH (MILES) 40.8
6. CUSTOMER COUNT FOR THIS CIRCUIT 378
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2010 / Scheduled for 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.13%	0.13%
Bad Connection	0.16%	0.13%
Equipment	46.07%	54.36%
Lightning	2.35%	2.91%
Other Utilities	0.39%	0.13%
Tree/Limb in ROW	11.94%	12.01%
Tree/Limb out of ROW	2.96%	1.39%
Unknown Cause	19.35%	16.56%
Vines/Kudzu	16.66%	12.39%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 144
10. REPORTING YEAR (SAIDI) 185
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.3244
12. REPORTING YEAR (SAIFI) 2.0926
13. CORRECTIVE ACTION PLAN
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #30:

1. SUBSTATION NAME AND NUMBER Hargett
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
100 East Ky Power Lane, Irvine, KY 40336
3. CIRCUIT NAME AND NUMBER Ivory Hill F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 82 then along HWY 89 toward Palmer
5. TOTAL CIRCUIT LENGTH (MILES) 50.8
6. CUSTOMER COUNT FOR THIS CIRCUIT 302
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2013
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	1.15%	1.42%
Equipment	0.07%	0.16%
Lightning	9.32%	9.13%
Scheduled	3.24%	10.24%
Tree/Limb out of ROW	82.22%	71.50%
Unknown Cause	3.93%	7.40%
Vehicles	0.07%	0.16%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 128
10. REPORTING YEAR (SAIDI) 418
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.7909
12. REPORTING YEAR (SAIFI) 2.1026
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #31:

1. SUBSTATION NAME AND NUMBER Hargett
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
100 East Ky Power Lane, Irvine, KY 40336
3. CIRCUIT NAME AND NUMBER Spout Springs F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Spout Springs Rd, Hudson Mill Road, State HWY 2001
5. TOTAL CIRCUIT LENGTH (MILES) 32.2
6. CUSTOMER COUNT FOR THIS CIRCUIT 211
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Customer Responsible	0.93%	1.00%
Equipment	1.05%	1.00%
Lightning	51.85%	37.81%
Scheduled	9.88%	10.95%
Squirrel	1.00%	1.00%
Tree/Limb out of ROW	14.06%	7.46%
Unknown Cause	21.24%	40.80%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 105
10. REPORTING YEAR (SAIDI) 123
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.6525
12. REPORTING YEAR (SAIFI) 0.9526
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #32:

1. SUBSTATION NAME AND NUMBER Keavy 1
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
167 E. Highway 312, Corbin, KY 40701
3. CIRCUIT NAME AND NUMBER HWY 312 F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
KY-312 toward Corbin
5. TOTAL CIRCUIT LENGTH (MILES) 46.1
6. CUSTOMER COUNT FOR THIS CIRCUIT 701
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.11%	0.34%
Bad Connection	0.61%	0.51%
Equipment	10.74%	8.36%
Lightning	2.02%	2.36%
Major Storm	6.91%	3.29%
Squirrel	5.31%	7.01%
Tree/Limb in ROW	7.49%	7.69%
Tree/Limb out of ROW	27.09%	15.96%
Unknown Cause	25.70%	35.98%
Vehicles	5.26%	4.48%
Wind	8.76%	14.02%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 155
10. REPORTING YEAR (SAIDI) 179
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.3852
12. REPORTING YEAR (SAIFI) 1.689
13. CORRECTIVE ACTION PLAN
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #33:

1. SUBSTATION NAME AND NUMBER Keavy 2
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
167 E. Highway 312, Corbin, KY 40701
3. CIRCUIT NAME AND NUMBER Level Green F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Level Green Rd, Flatwoods Rd, Keavy Loop Rd
5. TOTAL CIRCUIT LENGTH (MILES) 48.6
6. CUSTOMER COUNT FOR THIS CIRCUIT 482
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.92%	0.84%
Equipment	7.58%	2.46%
Ice	32.36%	8.40%
Lightning	2.16%	0.84%
Major Storm	5.34%	32.99%
Overload	0.08%	0.06%
Scheduled	2.15%	2.16%
Squirrel	0.24%	0.24%
Tree/Limb in ROW	3.14%	1.62%
Tree/Limb out of ROW	0.71%	0.36%
Unknown Cause	14.38%	14.04%
Vehicles	28.23%	32.69%
Wind	2.04%	1.74%
Woodcutter	0.67%	1.56%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 218
10. REPORTING YEAR (SAIDI) 257
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.7055
12. REPORTING YEAR (SAIFI) 3.4585
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #34:

1. SUBSTATION NAME AND NUMBER Keavy 2
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
167 E. Highway 312, Corbin, KY 40701
3. CIRCUIT NAME AND NUMBER Locust Grove F5
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 312, Keavy Rd, Topton Rd
5. TOTAL CIRCUIT LENGTH (MILES) 31.3
6. CUSTOMER COUNT FOR THIS CIRCUIT 330
- 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

	SAIDI	SAIFI
Animal / Bird	0.51%	0.86%
Bad Connection	0.16%	0.19%
Ice	28.63%	13.29%
Lightning	2.66%	5.54%
Major Storm	19.60%	6.60%
Overload	0.28%	0.38%
Squirrel	1.80%	1.53%
Tree/Limb in ROW	2.97%	6.60%
Tree/Limb out of ROW	37.16%	56.50%
Unknown Cause	6.23%	8.51%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 241
10. REPORTING YEAR (SAIDI) 348
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.388
12. REPORTING YEAR (SAIFI) 3.1697
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #35:

1. SUBSTATION NAME AND NUMBER Laurel Industrial 1
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
747 Sinking Creek Rd., London, KY 40741
3. CIRCUIT NAME AND NUMBER Laurel Industrial F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
KY-80 to Laurel Industrial Park
5. TOTAL CIRCUIT LENGTH (MILES) 5.1
6. CUSTOMER COUNT FOR THIS CIRCUIT 11
7. DATE OF LAST CIRCUIT TRIM (VM) 2008
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Scheduled	100.00%	100.00%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 106
10. REPORTING YEAR (SAIDI) 353
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.4391
12. REPORTING YEAR (SAIFI) 0.5455
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #36:

1. SUBSTATION NAME AND NUMBER Laurel Industrial 2
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
747 Sinking Creek Rd., London, KY 40741
3. CIRCUIT NAME AND NUMBER Hawk Creek F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Along HWY 80, Hawk Creek
5. TOTAL CIRCUIT LENGTH (MILES) 70.7
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 REPRESENTED BY EACH CAUSE

	SAIFI
Deterioration	3.72%
Equipment	63.54%
Lightning	1.37%
Overload	11.80%
Scheduled	3.31%
Tree/Limb out of ROW	10.51%
Unknown Cause	5.50%
Vehicles	0.24%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 188
10. REPORTING YEAR (SAIDI) 159
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.9563
12. REPORTING YEAR (SAIFI) 2.0446
13. CORRECTIVE ACTION PLAN
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #37:

1. SUBSTATION NAME AND NUMBER Laurel Industrial 2
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
747 Sinking Creek Rd., London, KY 40741
3. CIRCUIT NAME AND NUMBER Sinking CreeK F6
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
KY-1535 South of KY-80
5. TOTAL CIRCUIT LENGTH (MILES) 57.8
6. CUSTOMER COUNT FOR THIS CIRCUIT 640
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2009 / Scheduled for 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	3.58%	3.64%
Equipment	4.81%	3.64%
Lightning	18.29%	16.27%
Maintenance	0.77%	2.57%
Overload	28.75%	22.70%
Squirrel	15.31%	17.34%
Tree/Limb in ROW	4.19%	5.78%
Tree/Limb out of ROW	13.06%	12.85%
Unknown Cause	8.20%	13.28%
Vehicles	0.56%	0.21%
Wind	2.47%	1.71%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 46
10. REPORTING YEAR (SAIDI) 70
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.3897
12. REPORTING YEAR (SAIFI) 0.7297
13. CORRECTIVE ACTION PLAN
The overload issue has been addressed.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #38:

1. SUBSTATION NAME AND NUMBER Maplesville
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
91 Hanna Leigh Trail, London, KY 40741
3. CIRCUIT NAME AND NUMBER Slate Lick F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 638 toward McWhorter
5. TOTAL CIRCUIT LENGTH (MILES) 21.8
6. CUSTOMER COUNT FOR THIS CIRCUIT 220
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2010 / Scheduled for 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI
Animal / Bird	0.55%
Ice	90.72%
Lightning	0.26%
Major Storm	2.81%
Squirrel	0.18%
Tree/Limb in ROW	4.29%
Unknown Cause	1.18%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 185
 10. REPORTING YEAR (SAIDI) 327
 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.5507
 12. REPORTING YEAR (SAIFI) 1.3727
 13. CORRECTIVE ACTION PLAN None
-
-

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #39:

1. SUBSTATION NAME AND NUMBER McKee
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
RT 290, McKee, KY 40447
3. CIRCUIT NAME AND NUMBER JCHS F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
McCammon Ridge Rd, HWY 421 to Jackson County School Rd
5. TOTAL CIRCUIT LENGTH (MILES) 57
6. CUSTOMER COUNT FOR THIS CIRCUIT 706
7. DATE OF LAST CIRCUIT TRIM (VM) 2013
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI
Animal / Bird	0.09%
Equipment	2.67%
Large Animal	0.09%
Lightning	6.15%
Maintenance	1.90%
Tree/Limb out of ROW	88.34%
Unknown Cause	0.29%
Vehicles	0.48%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 102
10. REPORTING YEAR (SAIDI) 105
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.7088
12. REPORTING YEAR (SAIFI) 1.3173
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #42:

1. SUBSTATION NAME AND NUMBER Oneida
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
11566 N. Highway 11, Manchester, KY 40962
3. CIRCUIT NAME AND NUMBER Little Bullskin F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Little Bullskin Creek
5. TOTAL CIRCUIT LENGTH (MILES) 10.3
6. CUSTOMER COUNT FOR THIS CIRCUIT 55
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Equipment	92.38%	90.16%
Squirrel	1.28%	3.28%
Tree/Limb out of ROW	6.34%	6.56%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 49
10. REPORTING YEAR (SAIDI) 182
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.3255
12. REPORTING YEAR (SAIFI) 1.1091
13. CORRECTIVE ACTION PLAN

Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #43:

1. SUBSTATION NAME AND NUMBER Pine Grove 1
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
165 Maple Grove Rd., London, KY 40741
3. CIRCUIT NAME AND NUMBER HWY 363 F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 363 toward Keavy
5. TOTAL CIRCUIT LENGTH (MILES) 42
6. CUSTOMER COUNT FOR THIS CIRCUIT 470
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2010 / Scheduled for 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIFI
Animal / Bird	6.89%
Customer Responsible	0.30%
Equipment	5.69%
Lightning	10.18%
Scheduled	21.86%
Squirrel	12.57%
Tree/Limb in ROW	5.39%
Tree/Limb out of ROW	4.19%
Unknown Cause	30.84%
Wind	1.20%
Woodcutter	0.90%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 59
10. REPORTING YEAR (SAIDI) 55
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.6152
12. REPORTING YEAR (SAIFI) 0.7106
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #44:

1. SUBSTATION NAME AND NUMBER Pine Grove 1
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
165 Maple Grove Rd., London, KY 40741
3. CIRCUIT NAME AND NUMBER River Bend F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Area East of I-75 between Sublimity Springs Subdivision and Lily
5. TOTAL CIRCUIT LENGTH (MILES) 40.2
6. CUSTOMER COUNT FOR THIS CIRCUIT 588
- 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

	SAIDI
Animal / Bird	4.10%
Deterioration	0.34%
Equipment	68.52%
Ice	13.41%
Lightning	1.67%
Major Storm	2.45%
Overload	2.91%
Scheduled	0.88%
Tree/Limb in ROW	0.72%
Tree/Limb out of ROW	0.62%
Unknown Cause	2.83%
Vines/Kudzu	1.55%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 193
10. REPORTING YEAR (SAIDI) 370
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.2492
12. REPORTING YEAR (SAIFI) 2.1633
13. CORRECTIVE ACTION PLAN
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #45:

1. SUBSTATION NAME AND NUMBER Pine Grove 2
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
165 Maple Grove Rd., London, KY 40741
3. CIRCUIT NAME AND NUMBER Maple Grove F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Southwest toward Cold Hill along Maple Grove and KY-192
5. TOTAL CIRCUIT LENGTH (MILES) 54.1
6. CUSTOMER COUNT FOR THIS CIRCUIT 559
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2010 / Scheduled for 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI
Animal / Bird	4.30%
Customer Responsible	0.15%
Ice	47.44%
Lightning	0.66%
Overload	3.11%
Scheduled	1.48%
Squirrel	2.53%
Tree/Limb out of ROW	20.82%
Unknown Cause	10.74%
Woodcutter	8.77%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 53
10. REPORTING YEAR (SAIDI) 68
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.5888
12. REPORTING YEAR (SAIFI) 0.4991
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #46:

1. SUBSTATION NAME AND NUMBER Rice Station
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
75 Substation Rd., Irvine, KY 40336
3. CIRCUIT NAME AND NUMBER Sand Hill F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Toward North Irvine North of HWY 1457
5. TOTAL CIRCUIT LENGTH (MILES) 50
6. CUSTOMER COUNT FOR THIS CIRCUIT 585
7. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.04%	0.20%
Equipment	45.87%	80.78%
Lightning	1.84%	1.27%
Maintenance	2.53%	2.75%
Major Storm	0.73%	0.80%
Squirrel	0.74%	0.87%
Tree/Limb in ROW	0.28%	0.13%
Tree/Limb out of ROW	39.01%	6.23%
Unknown Cause	7.70%	6.03%
Wind	1.26%	0.94%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 225
10. REPORTING YEAR (SAIDI) 252
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.0914
12. REPORTING YEAR (SAIFI) 2.5521
13. CORRECTIVE ACTION PLAN
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #47:

1. SUBSTATION NAME AND NUMBER Rice Station
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
75 Substation Rd., Irvine, KY 40336
3. CIRCUIT NAME AND NUMBER Station Camp F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 594 toward West Irvine
5. TOTAL CIRCUIT LENGTH (MILES) 141
6. CUSTOMER COUNT FOR THIS CIRCUIT 1211
7. DATE OF LAST CIRCUIT TRIM (VM) 2011
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	1.14%	0.92%
Customer Responsible	0.07%	0.05%
Deterioration	0.04%	0.04%
Equipment	48.83%	42.79%
Lightning	7.58%	6.19%
Maintenance	0.42%	0.21%
Major Storm	0.23%	0.55%
Other Utilities	18.42%	22.44%
Scheduled	1.12%	3.81%
Squirrel	0.14%	0.23%
Tree/Limb in ROW	5.21%	3.24%
Tree/Limb out of ROW	10.60%	11.17%
Unknown Cause	5.74%	7.97%
Woodcutter	0.46%	0.41%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 335
10. REPORTING YEAR (SAIDI) 428
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.7482
12. REPORTING YEAR (SAIFI) 4.6854
13. CORRECTIVE ACTION PLAN

Equipment issues have been corrected.
In 2015 the feeder will be patrolled to determine which trees, in the ROW, need to be trimmed.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #48:

1. SUBSTATION NAME AND NUMBER Sand Gap
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Gravel Lick Rd., McKee, KY 40447
3. CIRCUIT NAME AND NUMBER Deer Stable F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Gravel Lick Rd, Upper Dry Fk Rd, Lower Dry Fk Rd, HWY 421 toward McKee
5. TOTAL CIRCUIT LENGTH (MILES) 51
6. CUSTOMER COUNT FOR THIS CIRCUIT 467
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2009 / Scheduled for 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI
Animal / Bird	2.02%
Equipment	8.86%
Lightning	7.70%
Major Storm	2.73%
Squirrel	0.14%
Tree/Limb in ROW	6.47%
Tree/Limb out of ROW	54.33%
Unknown Cause	1.11%
Vehicles	12.75%
Vines/Kudzu	3.90%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 92
10. REPORTING YEAR (SAIDI) 96
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.8531
12. REPORTING YEAR (SAIFI) 0.5546
13. CORRECTIVE ACTION PLAN None
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #49:

1. SUBSTATION NAME AND NUMBER South Fork
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Griffith Cemetery Rd., Island City, KY 41338
3. CIRCUIT NAME AND NUMBER Bear Run F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Notheast toward Eversole, Lerosé and Tallega
5. TOTAL CIRCUIT LENGTH (MILES) 70.3
6. CUSTOMER COUNT FOR THIS CIRCUIT 250
7. DATE OF LAST CIRCUIT TRIM (VM) 2013
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.38%	0.29%
Equipment	0.27%	0.13%
Ice	0.15%	0.06%
Lightning	0.44%	0.22%
Maintenance	5.30%	26.82%
Major Storm	0.13%	0.06%
Scheduled	12.38%	13.58%
Tree/Limb out of ROW	61.95%	49.39%
Unknown Cause	10.22%	6.92%
Vehicles	0.13%	0.19%
Wind	1.37%	0.35%
Woodcutter	7.28%	1.98%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 459
10. REPORTING YEAR (SAIDI) 835
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 5.1255
12. REPORTING YEAR (SAIFI) 12.544

13. CORRECTIVE ACTION PLAN

Hazard trees, outside the ROW, will be cut when possible in 2015.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #50:

1. SUBSTATION NAME AND NUMBER South Fork
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Griffith Cemetery Rd., Island City, KY 41338
3. CIRCUIT NAME AND NUMBER Booneville F5
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 11 toward Sag Hollow Golf Course
5. TOTAL CIRCUIT LENGTH (MILES) 7.3
6. CUSTOMER COUNT FOR THIS CIRCUIT 83
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2013
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Equipment	6.91%	9.48%
Lightning	1.95%	2.59%
Squirrel	1.22%	4.31%
Tree/Limb in ROW	12.57%	4.31%
Unknown Cause	2.51%	3.45%
Vehicles	69.63%	71.55%
Vines/Kudzu	5.22%	4.31%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 43
10. REPORTING YEAR (SAIDI) 119
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.5804
12. REPORTING YEAR (SAIFI) 1.3976
13. CORRECTIVE ACTION PLAN
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #51:

1. SUBSTATION NAME AND NUMBER South Fork
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Griffith Cemetery Rd., Island City, KY 41338
3. CIRCUIT NAME AND NUMBER Oneida F3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Sturgeon, HWY 1350, HWY 11
5. TOTAL CIRCUIT LENGTH (MILES) 50.3
6. CUSTOMER COUNT FOR THIS CIRCUIT 259
7. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.10%	0.35%
Bad Connection	0.13%	0.18%
Equipment	3.78%	7.62%
Lightning	9.78%	9.22%
Maintenance	0.58%	1.42%
Scheduled	0.06%	0.35%
Tree/Limb out of ROW	74.04%	69.33%
Unknown Cause	2.05%	5.14%
Wind	9.47%	6.38%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 156
10. REPORTING YEAR (SAIDI) 443
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.9221
12. REPORTING YEAR (SAIFI) 2.1776
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #52:

1. SUBSTATION NAME AND NUMBER South Fork
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Griffith Cemetery Rd., Island City, KY 41338
3. CIRCUIT NAME AND NUMBER Rice Town F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Area East of HWY 11 toward Arnett
5. TOTAL CIRCUIT LENGTH (MILES) 58.4
6. CUSTOMER COUNT FOR THIS CIRCUIT 270
- 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

	SAIDI	SAIFI
Deterioration	4.09%	3.98%
Equipment	52.81%	37.93%
Lightning	0.39%	0.43%
Major Storm	0.53%	0.43%
Scheduled	3.50%	3.41%
Squirrel	0.45%	0.71%
Tree/Limb in ROW	4.13%	4.83%
Tree/Limb out of ROW	20.24%	36.36%
Unknown Cause	5.88%	8.38%
Vines/Kudzu	7.36%	3.41%
Woodcutter	0.63%	0.14%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 339
10. REPORTING YEAR (SAIDI) 342
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.4924
12. REPORTING YEAR (SAIFI) 2.6074
13. CORRECTIVE ACTION PLAN
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #53:

1. SUBSTATION NAME AND NUMBER Three Links
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
52 Climax Rd., Mount Vernon, KY 40456
3. CIRCUIT NAME AND NUMBER Pine Grove F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Morrill, Clover Bottom,
5. TOTAL CIRCUIT LENGTH (MILES) 65.2
6. CUSTOMER COUNT FOR THIS CIRCUIT 454
- 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

	SAIDI	SAIFI
Animal / Bird	2.76%	4.24%
Equipment	41.62%	28.69%
Lightning	5.46%	3.98%
Maintenance	0.71%	2.02%
Major Storm	0.58%	0.10%
Scheduled	4.46%	15.08%
Squirrel	6.85%	4.54%
Tree/Limb in ROW	22.08%	27.33%
Tree/Limb out of ROW	14.07%	12.05%
Unknown Cause	1.41%	1.97%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 222
10. REPORTING YEAR (SAIDI) 438
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.0587
12. REPORTING YEAR (SAIFI) 4.3678
13. CORRECTIVE ACTION PLAN
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #54:

1. SUBSTATION NAME AND NUMBER Three Links
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
52 Climax Rd., Mount Vernon, KY 40456
3. CIRCUIT NAME AND NUMBER Red Hill F2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 1955, Eglon, HWY 1004
5. TOTAL CIRCUIT LENGTH (MILES) 54.4
6. CUSTOMER COUNT FOR THIS CIRCUIT 231
7. DATE OF LAST CIRCUIT TRIM (VM) 2012
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Deterioration	0.11%	0.11%
Equipment	10.84%	7.17%
Lightning	12.80%	13.38%
Maintenance	0.37%	0.86%
Major Storm	9.44%	3.32%
Overload	5.20%	6.75%
Scheduled	12.98%	16.17%
Squirrel	1.14%	1.93%
Tree/Limb in ROW	0.10%	0.21%
Tree/Limb out of ROW	19.71%	13.70%
Unknown Cause	21.33%	29.23%
Vines/Kudzu	5.99%	7.17%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 316
10. REPORTING YEAR (SAIDI) 508
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 2.0862
12. REPORTING YEAR (SAIFI) 4.0433
13. CORRECTIVE ACTION PLAN
Equipment issues have been corrected.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #55:

1. SUBSTATION NAME AND NUMBER Tyner
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Tyner Tower Rd., Tyner, KY 40486
3. CIRCUIT NAME AND NUMBER Annville F4
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
HWY 3630 toward Tyner Elem School
5. TOTAL CIRCUIT LENGTH (MILES) 8.6
6. CUSTOMER COUNT FOR THIS CIRCUIT 66
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2009
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIFI
Lightning	37.50%
Scheduled	10.71%
Squirrel	44.64%
Unknown Cause	7.14%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 64
 10. REPORTING YEAR (SAIDI) 55
 11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.7963
 12. REPORTING YEAR (SAIFI) 0.8485
 13. CORRECTIVE ACTION PLAN None
-
-

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #56:

1. SUBSTATION NAME AND NUMBER Tyner
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
Tyner Tower Rd., Tyner, KY 40486
3. CIRCUIT NAME AND NUMBER Gray Hawk F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
US-421 South of Gray Hawk
5. TOTAL CIRCUIT LENGTH (MILES) 52.8
6. CUSTOMER COUNT FOR THIS CIRCUIT 503
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2010
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	0.67%	0.58%
Equipment	1.61%	0.44%
Lightning	17.41%	7.42%
Major Storm	2.69%	1.16%
Squirrel	3.37%	2.18%
Tree/Limb in ROW	7.24%	3.49%
Tree/Limb out of ROW	56.08%	76.56%
Unknown Cause	8.48%	7.42%
Vines/Kudzu	2.45%	0.73%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 52
10. REPORTING YEAR (SAIDI) 58
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.8956
12. REPORTING YEAR (SAIFI) 1.3658
13. CORRECTIVE ACTION PLAN
Hazard trees, outside the ROW, will be cut when possible in 2015.

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #57:

1. SUBSTATION NAME AND NUMBER West London 1
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
436 West Laurel Rd., London, KY 40741
3. CIRCUIT NAME AND NUMBER Jerrys Restaurant F1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Area along Parker Road West of I-75
5. TOTAL CIRCUIT LENGTH (MILES) 5.1
6. CUSTOMER COUNT FOR THIS CIRCUIT 191
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2009 / Scheduled for 2015
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIDI	SAIFI
Animal / Bird	11.49%	15.52%
Tree/Limb in ROW	10.75%	7.76%
Unknown Cause	3.54%	7.76%
Vehicles	74.22%	68.97%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 30
10. REPORTING YEAR (SAIDI) 71
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 0.3311
12. REPORTING YEAR (SAIFI) 0.6073
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

CIRCUIT #58:

1. SUBSTATION NAME AND NUMBER West London 1
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
436 West Laurel Rd., London, KY 40741
3. CIRCUIT NAME AND NUMBER Parker Road F5
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
Parker Rd
5. TOTAL CIRCUIT LENGTH (MILES) 11.2
6. CUSTOMER COUNT FOR THIS CIRCUIT 203
- 7.. DATE OF LAST CIRCUIT TRIM (VM) 2011
8. LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE

	SAIFI
Lightning	3.94%
Tree/Limb out of ROW	3.58%
Unknown Cause	92.47%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI) 85
10. REPORTING YEAR (SAIDI) 59
11. CIRCUIT 5 YEAR AVERAGE (SAIFI) 1.249
12. REPORTING YEAR (SAIFI) 1.3744
13. CORRECTIVE ACTION PLAN None

KENTUCKY PUBLIC SERVICE COMMISSION

INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

Additional page may be attached as needed,

The vegetation management plan is attached.

SECTION 7: UTILITY COMMENTS

KENTUCKY PUBLIC SERVICE COMMISSION

