Fleming-Mason Energy

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MAR 30 2016

Public Service Commission

March 25, 2016

Jeff DeRouen
Executive Director
Public Service Commission
P.O. Box 615
Frankfort, KY 40602-0615

Dear Mr. DeRouen:

Enclosed is Fleming Mason Energy's Reliability Report for the calendar year of 2015 requested by the Public Service Commission's Order dated May 30, 2013 for Case No. 2011-00450.

If you have any questions or comments, please contact the office at, 1-800-464-3144 or by email at bhunt@fme.coop.

Sincerely,

Brandon Hunt, P.E.
Engineering Manager

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	FLEMING MASON ENERGY
REPORT PREPARED BY	BRANDON HUNT
E-MAIL ADDRESS OF PREPARER	bhunt@fme.coop
PHONE NUMBER OF PREPARER	606-845-2661

SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT	2015

SECTION 3: MAJOR EVENT DAYS (MED)

T_{MED}	11.4
FIRST DATE USED TO DETERMINE T_{MED}	1/1/2010
LAST DATE USED TO DETERMINE T_{MED}	12/31/2015
NUMBER OF MED IN REPORT YEAR	5

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

SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System-wide Information

TOTAL CUSTOMERS 24,025 TOTAL CIRCUITS 42

Excluding MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	139.60	SAIDI	123.4
SAIFI	1.22	SAIFI	0.84

Including MED

	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	259.45	SAIDI	362.2
SAIFI	1.57	SAIFI	1.4

Notes:

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

KENTUCKY PUBLIC SERVICE COMMISSION

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	FLEMING MASON ENERGY
REPORT PREPARED BY	BRANDON HUNT
E-MAIL ADDRESS OF PREPARER	bhunt@fme.coop
PHONE NUMBER OF PREPARER	606-845-2661

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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
   PLUMMERS LANDING
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   FLEMING, PLUMMERS LANDING RD
3. CIRCUIT NAME AND NUMBER
   BLUEBANK OCR 114
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   PLUMMERS LANDING, KY 32, PLUMMERS LANDING TO FLEMINGSBURG
5. TOTAL CIRCUIT LENGTH (MILES)
   58.9
6. CUSTOMER COUNT FOR THIS CIRCUIT
   635
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

Equipment Failure	**19.49**	**Tree Failure**	**29.26**	**Weather Other**	**0.7**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**4.82**
Overload	**0**	**Lightning**	**38.46**	**Motor Vehicle**	**0**
Decay/Age Equip	**0**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0.22**	**Ice/Snow**	**0**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**5.34**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   15.64
10. REPORTING YEAR (SAIDI)
   22.29
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.24
12. REPORTING YEAR (SAIFI)
   0.15
13. CORRECTIVE ACTION PLAN

   LIGHTNING WAS THE MAJOR CAUSE FOR THIS CIRCUIT. THIS CONSISTED OF SEVERAL SMALL LIGHTNING RELATED OUTAGES. ADDITIONAL LIGHTNING PROTECTION WILL BE INVESTIGATED.

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

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
   SNOW HILL
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   ROBERTSON, KY 168, PIQUA
3. CIRCUIT NAME AND NUMBER
   BLUELICK OCR 114
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   BLUELICKS, US 68, BLUELICKS / SHORT STONEY RD
5. TOTAL CIRCUIT LENGTH (MILES)
   104.8
6. CUSTOMER COUNT FOR THIS CIRCUIT
   633
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

Equipment Failure	**9.27**	**Tree Failure**	**0**	**Weather Other**	**1.97**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**1.55**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0**	**Lightning**	**15.33**	**Motor Vehicle**	**0**
Decay/Age Equip	**41.4**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**24.72**	**Ice/Snow**	**0.25**	**Other**	**0**
Tree Growth	**0.25**	**Flood**	**0**	**Cause Unknown**	**5.23**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   37.9
10. REPORTING YEAR (SAIDI)
   41.29
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.28
12. REPORTING YEAR (SAIFI)
   0.27
13. CORRECTIVE ACTION PLAN

AGE OF EQUIPMENT WAS THE LEADING OUTAGE CAUSE FOR THIS CIRCUIT. THIS WAS DUE TO CONDUCTOR FAILURE. CONDUCTOR CONDITION WILL BE MONITORED.

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

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
   HILDA 2
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   ROWAN COUNTY, KY 32, MOREHEAD
3. CIRCUIT NAME AND NUMBER
   BLUESTONE OCR 124
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   MOREHEAD, KY 32/I 64, MOREHEAD SHOPPING AREA
5. TOTAL CIRCUIT LENGTH (MILES)
   17.9
6. CUSTOMER COUNT FOR THIS CIRCUIT
   299
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

Equipment Failure	**52.9**	**Tree Failure**	**12.57**	**Weather Other**	**0**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0.2**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	
Overload	**0**	**Lightning**	**15.98**	**Motor Vehicle**	**0**
Decay/Age Equip	**2.27**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**11.18**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**4.93**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   6.92
10. REPORTING YEAR (SAIDI)
   20.61
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.051
12. REPORTING YEAR (SAIFI)
   0.15
13. CORRECTIVE ACTION PLAN

Equipment failure was the leading cause. A large conductor failure outage was the contributor to this leading cause. Conductor conditions will be monitored.

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

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
   OAK RIDGE
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   LEWIS, OAK RIDGE, MT ZION RIDGE
3. CIRCUIT NAME AND NUMBER
   BURTONVILLE OCR 124
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   BURTONVILLE AREA
5. TOTAL CIRCUIT LENGTH (MILES)
   57.8
6. CUSTOMER COUNT FOR THIS CIRCUIT
   319
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

Equipment Failure	**4.68**	**Tree Failure**	**0.34**	**Weather Other**	**25.12**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**37.41**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0**	**Lightning**	**2.26**	**Motor Vehicle**	**6.18**
Decay/Age Equip	**0**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**1.03**	**Ice/Snow**	**0**	**Other**	**0.58**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**22.32**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   22.74
10. REPORTING YEAR (SAIDI)
   50.44
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.21
12. REPORTING YEAR (SAIFI)
   0.41
13. CORRECTIVE ACTION PLAN

   MAJOR CONTRIBUTING CAUSE WAS ANIMAL RELATED OUTAGES. RELATED TO A LARGE OUTAGE. FME WILL INVISTIGATE THE INCREASED INSTALLATION OF ANIMAL GUARDS.

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

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
   FLEMINGSBURG
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   FLEMING, ENERGY RD, FLEMINGSBURG
3. CIRCUIT NAME AND NUMBER
   COWAN OCR 114
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   COWAN, KY 32, COWAN TO CARLISLE
5. TOTAL CIRCUIT LENGTH (MILES)
   103.5
6. CUSTOMER COUNT FOR THIS CIRCUIT
   683
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

Equipment Failure	**19.48**	**Tree Failure**	**4.03**	**Weather Other**	**17.67**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0.15**
Conductor Sag	**0**	**In-house Tree**	**0.09**	**Cust Caused**	**0.38**
Overload	**0**	**Lightning**	**11.59**	**Motor Vehicle**	**0**
Decay/Age Equip	**2.98**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**41.86**	**Ice/Snow**	**0**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**1.05**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   34.05
10. REPORTING YEAR (SAIDI)
   48.56
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.47
12. REPORTING YEAR (SAIFI)
   0.53
13. CORRECTIVE ACTION PLAN

   LARGE OUTAGE CONDUCTOR FAILURE ON THREE PHASE LINE. FME WILL MONITOR CONDUCTOR CONDITION.

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

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
   MAYSVILLE
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   MASON, AA HWY, MAYSVILLE
3. CIRCUIT NAME AND NUMBER
   FEDERAL MOGAL - OCR 114
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   MAYSVILLE, AA HWY, MAYSVILLE
5. TOTAL CIRCUIT LENGTH (MILES)
   6.2
6. CUSTOMER COUNT FOR THIS CIRCUIT
   65
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

Equipment Failure	**0**	**Tree Failure**	**0**	**Weather Other**	**0**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0**	**Lightning**	**94.58**	**Motor Vehicle**	**0**
Decay/Age Equip	**0**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**0**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**5.42**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   1.31
10. REPORTING YEAR (SAIDI)
   1.35
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.14
12. REPORTING YEAR (SAIFI)
   0.009
13. CORRECTIVE ACTION PLAN

THIS IS A SHORT CIRCUIT WITH VERY FEW OUTAGES. ONE LIGHTNING RELATED OUTAGE SKEWED THE YEARLY NUMBERS.

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

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
   PLUMMERS LANDING
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   FLEMING, KY 32 / PLUMMERS LANDING RD
3. CIRCUIT NAME AND NUMBER
   HILLSBORO OCR 144
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   PLUMMERS LANDING TO HILLSBORO, KY 1013
5. TOTAL CIRCUIT LENGTH (MILES)
   39.6
6. CUSTOMER COUNT FOR THIS CIRCUIT
   326
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

Equipment Failure	**0.13**	**Tree Failure**	**85.78**	**Weather Other**	**0.08**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0.35**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0.23**	**Lightning**	**1.89**	**Motor Vehicle**	**0**
Decay/Age Equip	**0**	**Wind**	**5.95**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**0.84**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**4.75**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   12.7
10. REPORTING YEAR (SAIDI)
   86.97
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.08
12. REPORTING YEAR (SAIFI)
   0.338
13. CORRECTIVE ACTION PLAN

   MAJOR CAUSE WAS TREE FAILURE. MOST OF THE TREE FAILURE OUTAGE WERE DURING HIGH WIND CONDITONS. ROW CONDITION WILL BE INSPECTION DURING THE NEXT LINE INSPECTION.

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

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
   CHARTERS
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   LEWIS, AA HWY, CHARTERS
3. CIRCUIT NAME AND NUMBER
   HOLLY OCR 144
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   CAMP DIX, KY 559, CAMP DIX - LAUREL RD
5. TOTAL CIRCUIT LENGTH (MILES)
   150.3
6. CUSTOMER COUNT FOR THIS CIRCUIT
   849
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

Equipment Failure	**24.55**	**Tree Failure**	**13.6**	**Weather Other**	**11.92**
Installation Fault	**0**	**Tree w/ Ice**	**0.62**	**Animal**	**0.48**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0**	**Lightning**	**2.3**	**Motor Vehicle**	**0**
Decay/Age Equip	**1.68**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**8.55**	**Other**	**0**
Tree Growth	**0.04**	**Flood**	**31.35**	**Cause Unknown**	**4.91**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   117.2
10. REPORTING YEAR (SAIDI)
   172.3
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.872
12. REPORTING YEAR (SAIFI)
   0.97
13. CORRECTIVE ACTION PLAN

   THE CIRCUIT HAS ROUGH TERRIAN. STORMS CAUSED DOWNED TREES AND HEAVY RAINS CAUSED FLOODING ISSUES WITH TREE WASH OUTS

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

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
   FLEMINGSBURG
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   FLEMING, ENERGY RD, FLEMINGSBURG
3. CIRCUIT NAME AND NUMBER
   HOSPITAL OCR 124
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   FLEMINGSBURG, KY 32 BYPASS, FLEMINGSBURG
5. TOTAL CIRCUIT LENGTH (MILES)
   5
6. CUSTOMER COUNT FOR THIS CIRCUIT
   165
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

Equipment Failure	**9.72**	**Tree Failure**	**0**	**Weather Other**	**0**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0**	**Lightning**	**90.28**	**Motor Vehicle**	**0**
Decay/Age Equip	**0**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**0**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**0**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   0.695
10. REPORTING YEAR (SAIDI)
   1.24
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.11
12. REPORTING YEAR (SAIFI)
   0.024
13. CORRECTIVE ACTION PLAN

   THIS CIRCUIT HAD VERY FEW OUTAGES. ONE OUTAGES BECAME SIGNIFICANT THAT SKEWED THE YEARLY RESULTS WHEN COMPARED TO PREVIOUS YEARS.

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

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
   HILDA 2
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   ROWAN, KY 32, MOREHEAD
3. CIRCUIT NAME AND NUMBER
   INTERCHANGE OCR 114
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   MOREHEAD, KY 32, MOREHEAD
5. TOTAL CIRCUIT LENGTH (MILES)
   17.9
6. CUSTOMER COUNT FOR THIS CIRCUIT
   563
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

Equipment Failure	**0**	**Tree Failure**	**1.16**	**Weather Other**	**0**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**17.87**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0.16**
Overload	**0**	**Lightning**	**31.26**	**Motor Vehicle**	**0**
Decay/Age Equip	**0**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**15.1**	**Other**	**0**
Tree Growth	**5.23**	**Flood**	**0**	**Cause Unknown**	**27.73**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   5.48
10. REPORTING YEAR (SAIDI)
   12.53
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.07
12. REPORTING YEAR (SAIFI)
   0.13
13. CORRECTIVE ACTION PLAN

   LIGHTNING WAS THE LARGEST CONTRIBUTING CAUSE. LOW OUTAGE NUMBERS ON THIS CIRCUIT HAS A LOW 5 YEAR AVERAGE. LIGHTING PROTECTION WILL BE INVESTIGATED.

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

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
   OAK RIDGE
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   LEWIS, OAK RIDGE, MT ZION RIDGE
3. CIRCUIT NAME AND NUMBER
   MUDLICK OCR - 144
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   FOXPORT, KY 344, FOXPORT
5. TOTAL CIRCUIT LENGTH (MILES)
   149.8
6. CUSTOMER COUNT FOR THIS CIRCUIT
   1280
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

Equipment Failure	**44.07**	**Tree Failure**	**6.21**	**Weather Other**	**0.23**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0.1**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0.13**
Overload	**0.13**	**Lightning**	**3.88**	**Motor Vehicle**	**0.38**
Decay/Age Equip	**1.28**	**Wind**	**27.39**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**9.41**	**Other**	**0**
Tree Growth	**0.05**	**Flood**	**0**	**Cause Unknown**	**6.7**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   69.29
10. REPORTING YEAR (SAIDI)
   97.59
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.83
12. REPORTING YEAR (SAIFI)
   0.644
13. CORRECTIVE ACTION PLAN
   EQUIPMENT FAILURE WAS THE MOST SIGNIFICANT OUTAGE CAUSE. THE MAJORITY OF THESE OUTAGS WERE DUE FROM CUTOUT FAILURE. FME HAS CHANGED TYPE OF CUTOUTS AND ARE ACTIVILY CHANGING EXISTING CUTOUTS

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

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
   PLUMMERS LANDING
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   FLEMING, PLUMMERS LANDING RD
3. CIRCUIT NAME AND NUMBER
   MUSES MILL OCR - 124
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   PLUMMERS LANDING, KY 1013, PLUMMERS LANDING TO MUSES MILL
5. TOTAL CIRCUIT LENGTH (MILES)
   72.2
6. CUSTOMER COUNT FOR THIS CIRCUIT
   489
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

Equipment Failure	**0**	**Tree Failure**	**60.47**	**Weather Other**	**32.65**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0.14**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0**	**Lightning**	**0.67**	**Motor Vehicle**	**0**
Decay/Age Equip	**0.88**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**4.92**	**Other**	**0**
Tree Growth	**0.15**	**Flood**	**0**	**Cause Unknown**	**0.09**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   39.8
10. REPORTING YEAR (SAIDI)
   50.06
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.43
12. REPORTING YEAR (SAIFI)
   0.26
13. CORRECTIVE ACTION PLAN

   TREE FAILURE WAS THE MAJOR CONTRIBUTING CAUSE. ROW WILL BE A FOCUS ON FUTURE LINE INSPECTIONS.

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

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
   RECTORVILLE
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   LEWIS, OWL HOLLOW, RECTORVILLE
3. CIRCUIT NAME AND NUMBER
   OWL HOLLOW OCR 114
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   RECTORVILLE, OWL HOLLOW
5. TOTAL CIRCUIT LENGTH (MILES)
   54.2
6. CUSTOMER COUNT FOR THIS CIRCUIT
   294
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

Equipment Failure	**10.45**	**Tree Failure**	**32.56**	**Weather Other**	**4.2**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**1.09**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0**	**Lightning**	**31.78**	**Motor Vehicle**	**0**
Decay/Age Equip	**0**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**0**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**19.92**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   5.83
10. REPORTING YEAR (SAIDI)
   7.34
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.04
12. REPORTING YEAR (SAIFI)
   0.056
13. CORRECTIVE ACTION PLAN

   TREE FAILURE WAS THE MAJOR OUTAGE CAUSE FOR THIS CIRCUIT. THIS CAME FROM ONLY TWO ISOLATED OCCURANCES. ROW WILL BE INSPECTED DURING THE NEXT LINE INSPECTION.

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

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
   HILDA 2
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   ROWAN, KY 32, MOREHEAD
3. CIRCUIT NAME AND NUMBER
   PINE HILLS OCR 134
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   MOREHEAD, KY 32, TOWARDS FLEMINGSBURG
5. TOTAL CIRCUIT LENGTH (MILES)
   53
6. CUSTOMER COUNT FOR THIS CIRCUIT
   1034
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

Equipment Failure	**6.19**	**Tree Failure**	**35.81**	**Weather Other**	**0**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0.16**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**1.07**
Overload	**0.28**	**Lightning**	**54.78**	**Motor Vehicle**	**0**
Decay/Age Equip	**0.04**	**Wind**	**0**	**Public Cut Tree**	**0.48**
Corrosion/Abrasion	**0**	**Ice/Snow**	**0**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**1.2**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   42.87
10. REPORTING YEAR (SAIDI)
   50.42
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.31
12. REPORTING YEAR (SAIFI)
   0.512
13. CORRECTIVE ACTION PLAN

   LIGHTNING WAS THE MOST SIGNIFICANT OUTAGE ON THIS CIRCUIT. A LARGE OUTAGE THAT CAUSED A FAILURE TO A 3 PHASE RECLOSER WAS THE MAIN CAUSE. LIGHTING PROTECTION WILL BE INVESTIGATED

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

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
   OAK RIDGE
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   LEWIS, OAK RIDGE, MT ZION RIDGE
3. CIRCUIT NAME AND NUMBER
   PETERSVILLE OCR 134
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   PETERSVILLE, KY 59, PETERSVILLE
5. TOTAL CIRCUIT LENGTH (MILES)
   32.8
6. CUSTOMER COUNT FOR THIS CIRCUIT
   166
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

Equipment Failure	**0**	**Tree Failure**	**12.65**	**Weather Other**	**0**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0.23**
Overload	**0**	**Lightning**	**55.99**	**Motor Vehicle**	**0**
Decay/Age Equip	**0**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**22.42**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**19.92**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   14.8
10. REPORTING YEAR (SAIDI)
   8.1
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.11
12. REPORTING YEAR (SAIFI)
   0.027
13. CORRECTIVE ACTION PLAN

   LIGHTNING WAS THE MOST CONTRIBUTING CAUSE. THIS CONSISTED OF TWO LIGHTNING OUTAGES. LIGHTNING PROTECTION WILL BE INVESTIGATED.

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

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
   HILLSBORO
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   FLEMING, KY 111, HILLSBORO
3. CIRCUIT NAME AND NUMBER
   POPLAR PLAINS OCR-134
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   POPLAR PLAINS, KY 111, POPLAR PLAINS
5. TOTAL CIRCUIT LENGTH (MILES)
   71.3
6. CUSTOMER COUNT FOR THIS CIRCUIT
   433
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

Equipment Failure	**18.15**	**Tree Failure**	**15.02**	**Weather Other**	**0**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**1.96**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0**	**Lightning**	**7.19**	**Motor Vehicle**	**0**
Decay/Age Equip	**0**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0.16**	**Ice/Snow**	**0**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**57.29**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   18.58
10. REPORTING YEAR (SAIDI)
   32.44
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.18
12. REPORTING YEAR (SAIFI)
   0.37
13. CORRECTIVE ACTION PLAN

   A LARGE UNKNOWN OUTAGE WAS THE MAIN CONTRIBUTING REASON FOR THE HIGH PERCENTAGE OF UNKNOWN OUTAGE. ROW AND LINE EQUIPMENT WILL BE MONITORED DURING LINE INSPECTIONS.

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

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
   HILLSBORO
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   FLEMING, KY 111, HILLSBORO
3. CIRCUIT NAME AND NUMBER
   RINGOS OCR - 144
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   RINGOS, KY 158, RINGOS
5. TOTAL CIRCUIT LENGTH (MILES)
   34.8
6. CUSTOMER COUNT FOR THIS CIRCUIT
   258
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

Equipment Failure	**0**	**Tree Failure**	**4.86**	**Weather Other**	**13.34**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0.44**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**65.98**	**Lightning**	**2.71**	**Motor Vehicle**	**0**
Decay/Age Equip	**0.53**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**8.99**	**Other**	**0**
Tree Growth	**0.31**	**Flood**	**1.73**	**Cause Unknown**	**1.11**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   13.36
10. REPORTING YEAR (SAIDI)
    33.78
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
    0.07
12. REPORTING YEAR (SAIFI)
    0.17
13. CORRECTIVE ACTION PLAN

    AN AUTO TRANSFORMER FAILED DURING COLD LOAD CONDITONS. PLANS HAVE BEEN MADE TO VOLTAGE CONVERT THE LINE AND REMOVE THE AUTO TRANSFORMERS.

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

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
   PEASTICKS
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   BATH, PEASTICKS RD, PEASTICKS
3. CIRCUIT NAME AND NUMBER
   SHARPSBURG OCR - 134
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   SHARPSBURG, KY 11, SHARPSBURG
5. TOTAL CIRCUIT LENGTH (MILES)
   151.9
6. CUSTOMER COUNT FOR THIS CIRCUIT
   931
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

Equipment Failure	**48.57**	**Tree Failure**	**32.79**	**Weather Other**	**0.12**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0.13**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0.22**
Overload	**0**	**Lightning**	**10.07**	**Motor Vehicle**	**0.11**
Decay/Age Equip	**0.14**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**1.23**	**Ice/Snow**	**0**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**6.52**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   38.53
10. REPORTING YEAR (SAIDI)
   69.99
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.35
12. REPORTING YEAR (SAIFI)
   0.48
13. CORRECTIVE ACTION PLAN

   A COUPLE LARGE OUTAGE CAUSE BY EQUIPMENT FAILURE RAISED THIS CATEGORY TO THE TOP OF THE CAUSE LIST. EQUIPMENT INSPECTIONS WILL BE A MAIN FOCUS ON UPCOMING LINE INSPECTIONS

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

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
   FLEMINGINSBURG
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   FLEMING, ENERGY RD, FLEMINGSBURG
3. CIRCUIT NAME AND NUMBER
   TILTON OCR - 134
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   TILTON, KY 11, TILTON
5. TOTAL CIRCUIT LENGTH (MILES)
   81.3
6. CUSTOMER COUNT FOR THIS CIRCUIT
   616
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

Equipment Failure	**21.87**	**Tree Failure**	**0**	**Weather Other**	**43.08**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0.8**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0**	**Lightning**	**30.58**	**Motor Vehicle**	**0**
Decay/Age Equip	**0.34**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0.12**	**Ice/Snow**	**0**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**2.9**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   20.9
10. REPORTING YEAR (SAIDI)
   45.2
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.21
12. REPORTING YEAR (SAIFI)
   0.33
13. CORRECTIVE ACTION PLAN

COLD WEATHER AND SNOW CONDITIONS CAUSED CONDUCTOR FAILURES ON THIS CIRCUIT. CONDUCTOR CONDITIONS WILL BE MONITORED.

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

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
   FLEMINGINSBURG
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   FLEMING, ENERGY RD, FLEMINGSBURG
3. CIRCUIT NAME AND NUMBER
   TOYO SEAT OCR - 134
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   FLEMINGSBURG, KY 32 BYPASS, FLEMINGSBURG TO IND PARK
5. TOTAL CIRCUIT LENGTH (MILES)
   10.5
6. CUSTOMER COUNT FOR THIS CIRCUIT
   88
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

Equipment Failure	**0**	**Tree Failure**	**0**	**Weather Other**	**95.61**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**2.49**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0**	**Lightning**	**0**	**Motor Vehicle**	**0**
Decay/Age Equip	**0**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**0**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**1.9**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   1.9
10. REPORTING YEAR (SAIDI)
   1.5
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.03
12. REPORTING YEAR (SAIFI)
   0.38
13. CORRECTIVE ACTION PLAN

   WEATHER WAS THE MOST CONTRIBUTING CAUSE TO OUTAGE INDEX BEING OVER 5 YEAR AVERAGE. THIS IS A LOW NUMBER OF OUTAGE CIRCUIT THAT WAS SKEWED FROM ONE OUTAGE.

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

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
   FLEMINGINSBURG
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   FLEMING, ENERGY RD, FLEMINGSBURG
3. CIRCUIT NAME AND NUMBER
   UNDERBUILD OCR - 144
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   FLEMINGSBURG, KY 32, WALLINGFORD
5. TOTAL CIRCUIT LENGTH (MILES)
   67.6
6. CUSTOMER COUNT FOR THIS CIRCUIT
   731
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

Equipment Failure	**28.41**	**Tree Failure**	**0.43**	**Weather Other**	**0**
Installation Fault	**0**	**Tree w/ Ice**	**0**	**Animal**	**0.5**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**0**
Overload	**0**	**Lightning**	**62.38**	**Motor Vehicle**	**1.74**
Decay/Age Equip	**0.69**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**0**	**Ice/Snow**	**1.74**	**Other**	**0**
Tree Growth	**0**	**Flood**	**0**	**Cause Unknown**	**1.9**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   16.3
10. REPORTING YEAR (SAIDI)
   15.2
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.17
12. REPORTING YEAR (SAIFI)
   0.18
13. CORRECTIVE ACTION PLAN

   LIGHTNING WAS THE MAJOR CAUSE. ADDITIONAL LIGHTNING PROTECTION FOR THIS CIRCUIT WILL BE INVESTIGATED.

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

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
   CHARTERS
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
   LEWIS, AA HWY, CHARTERS
3. CIRCUIT NAME AND NUMBER
   VANCEBURG OCR - 134
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
   VANCEBURG, AA HWY, VANCEBURG
5. TOTAL CIRCUIT LENGTH (MILES)
   169.2
6. CUSTOMER COUNT FOR THIS CIRCUIT
   1364
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

Equipment Failure	**29.59**	**Tree Failure**	**4.56**	**Weather Other**	**1.08**
Installation Fault	**0**	**Tree w/ Ice**	**17.55**	**Animal**	**0.07**
Conductor Sag	**0**	**In-house Tree**	**0**	**Cust Caused**	**1.49**
Overload	**0**	**Lightning**	**7.15**	**Motor Vehicle**	**1.75**
Decay/Age Equip	**0.45**	**Wind**	**0**	**Public Cut Tree**	**0**
Corrosion/Abrasion	**2.27**	**Ice/Snow**	**29.8**	**Other**	**0**
Tree Growth	**0.87**	**Flood**	**0**	**Cause Unknown**	**3.38**

9. CIRCUIT 5 YEAR AVERAGE (SAIDI)
   114
10. REPORTING YEAR (SAIDI)
   128.96
11. CIRCUIT 5 YEAR AVERAGE (SAIFI)
   0.75
12. REPORTING YEAR (SAIFI)
   0.71
13. CORRECTIVE ACTION PLAN

ICE/SNOW WAS THE CONTRIBUTING CAUSE ON THIS CIRCUIT.

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

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW

INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

Additional page may be attached as needed.

2016 - SNOW HILL SUB (ALL)
MURPHYSVILLE SUB (BARRET PIKE, STRODES RUN)
MAYSVILLE SUB (ALL)
RECTORVILLE SUB (OWL HOLLOW, TOLLESBORO)

Trimming Cycle - 6 years
Spaying Cyc le - 3 years

SECTION 7: UTILITY COMMENTS