



A Touchstone Energy® Cooperative 

April 28, 2022

Ms. Linda Bridwell  
Public Service Commission  
P.O. Box 615  
211 Sower Boulevard  
Frankfort, Kentucky 40602-0615

**RE: Administrative Case No. 2011-00450: Annual Distribution Reliability Report**

Dear: Ms Bridwell

Please find enclosed a paper copy of the 2021 electric distribution utility annual reliability report for Nolin RECC, as well as a copy of Nolin RECC's vegetation management program. Additionally, the enclosed disk contains electronic copies of these files.

If you have any questions regarding the enclosed information, please contact me at (270) 765-6153 ext 3383 or [dwoosley@nolinrecc.com](mailto:dwoosley@nolinrecc.com).

Regards,

A handwritten signature in blue ink that reads "Devon C. Woosley".

Devon C. Woosley  
Manager - Engineering  
Nolin Rural Electric Cooperative Corporation

Enclosures

Kentucky Public Service Commission  
Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME:	Nolin RECC
REPORT PREPARED BY:	Jordan Horsley
E-MAIL ADDRESS OF PREPARER:	<a href="mailto:jhorsley@nolinrecc.com">jhorsley@nolinrecc.com</a>
PHONE NUMBER OF PREPARER:	(270) 765-6153 ext 3304

SECTION 2: REPORTING YEAR

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

TMED:	4.09
FIRST DATE USED TO DETERMINE TMED:	1/1/2016
LAST DATE USED TO DETERMINE TMED:	12/31/2020
NUMBER OF MED IN REPORT YEAR:	2

NOTE: Per IEEE TMED 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 accumulated.

SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System-wide Information

TOTAL CUSTOMERS: 36,430                      TOTAL CIRCUITS: 84

Excluding MED

5-YEAR AVERAGE (2016 - 2020)	REPORTING YEAR
SAIDI: <u>48.892</u>	SAIDI: <u>28.775</u>
SAIFI: <u>0.739</u>	SAIFI: <u>0.407</u>

Including MED

5-YEAR AVERAGE (2016 - 2020)	REPORTING YEAR
SAIDI: <u>190.359</u>	SAIDI: <u>42.319</u>
SAIFI: <u>1.206</u>	SAIFI: <u>0.509</u>

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 TMED.

SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #1:	COLESBURG - 2
1. SUBSTATION NAME AND NUMBER:	COLESBURG ((1))
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - HALL & BARDSTOWN RD. - YOUNGER CREEK
3. CIRCUIT NAME AND NUMBER:	COLESBURG - 2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	ELIZABETHTOWN, KY - BARDSTOWN RD, MOUNTAIN VIEW ESTATES RD
5. TOTAL CIRCUIT LENGTH (MILES):	26.25
6. CUSTOMER COUNT FOR THIS CIRCUIT:	460
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	09/16

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>37.35%</u>
EQUIPMENT / MATERIAL FAILURE	<u>0.59%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>2.93%</u>	TREES	<u>52.49%</u>
NO CAUSE CODE	<u>1.09%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>3.52%</u>	WEATHER	<u>2.01%</u>
POWER SUPPLIER	<u>0.00%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	40.21
10. REPORTING YEAR (SAIDI):	201.48
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.35
12. REPORTING YEAR (SAIFI):	2.07

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Feeder inspection will identify areas for correction. Review ROW conditions and vegetation management cycle.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #2:	GLENDALE - 4
1. SUBSTATION NAME AND NUMBER:	GLENDALE (3)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - E. GLENDALE HODGENVILLE RD - GLENDALE
3. CIRCUIT NAME AND NUMBER:	GLENDALE - 4
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	GLENDALE, KY - ROUNDTOP RD, LINCOLN PKWY
5. TOTAL CIRCUIT LENGTH (MILES):	36.93
6. CUSTOMER COUNT FOR THIS CIRCUIT:	281
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	10/20

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.34%</u>
EQUIPMENT / MATERIAL FAILURE	<u>61.32%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>0.00%</u>	TREES	<u>0.00%</u>
NO CAUSE CODE	<u>0.00%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>38.33%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>0.00%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	48.26
10. REPORTING YEAR (SAIDI):	70.76
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.91
12. REPORTING YEAR (SAIFI):	1.40

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Feeder inspection to identify equipment for maintenance.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #3:	GLENDALE - 5
1. SUBSTATION NAME AND NUMBER:	GLENDALE (3)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - E. GLENDALE HODGENVILLE RD - GLENDALE
3. CIRCUIT NAME AND NUMBER:	GLENDALE - 5
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	SONORA, KY - HWY 31 W (SOUTH), NOLIN RD, SONORA NOLIN RD
5. TOTAL CIRCUIT LENGTH (MILES):	27.40
6. CUSTOMER COUNT FOR THIS CIRCUIT:	202
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	10/20

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>92.20%</u>
EQUIPMENT / MATERIAL FAILURE	<u>0.42%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>0.00%</u>	TREES	<u>0.00%</u>
NO CAUSE CODE	<u>4.78%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>2.61%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>0.00%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	98.13
10. REPORTING YEAR (SAIDI):	63.49
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	1.14
12. REPORTING YEAR (SAIFI):	1.43

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Feeder inspection will identify areas for correction.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #4:	HODGENVILLE-DONNIE PROPES - 4
1. SUBSTATION NAME AND NUMBER:	HODGENVILLE-DONNIE PROPES (4)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	LARUE - HWY 31E (NEAR WADDELL RD)- HODGENVILLE
3. CIRCUIT NAME AND NUMBER:	HODGENVILLE-DONNIE PROPES - 4
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	HODGENVILLE, KY - OLD ELIZABETHTOWN RD, CARTER BROTHERS RD
5. TOTAL CIRCUIT LENGTH (MILES):	23.89
6. CUSTOMER COUNT FOR THIS CIRCUIT:	486
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	10/20

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):	
	CONTRACTOR	0.00%
	PUBLIC ACCIDENTS, OTHER	2.86%
EQUIPMENT / MATERIAL FAILURE	3.94%	SMALL ANIMALS OR BIRDS
	1.72%	0.84%
LIGHTNING	0.00%	TRES
	0.00%	0.00%
NO CAUSE CODE	2.28%	WIND, HIGH WIND
	0.00%	88.35%
PLANNED OUTAGE	0.00%	WEATHER
	0.00%	
POWER SUPPLIER		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	14.52
10. REPORTING YEAR (SAIDI):	17.40
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.42
12. REPORTING YEAR (SAIFI):	0.16

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Review sectionalizing on feeder to minimize number of customers impacted by equipment operations.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #5:	MAGNOLIA - 1
1. SUBSTATION NAME AND NUMBER:	MAGNOLIA (5)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	LARUE - NEW JACKSON HWY - MAGNOLIA
3. CIRCUIT NAME AND NUMBER:	MAGNOLIA - 1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	MAGNOLIA, KY- JE JONES RD, MT SHERMAN, BAILEY X-ROADS, MT TABOR RD, HWY 210, HWY 61
5. TOTAL CIRCUIT LENGTH (MILES):	92.33
6. CUSTOMER COUNT FOR THIS CIRCUIT:	795
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	02/21

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	4.76%	PUBLIC ACCIDENTS, OTHER	0.44%
EQUIPMENT / MATERIAL FAILURE	1.21%	SMALL ANIMALS OR BIRDS	0.00%
LIGHTNING	81.91%	TREES	9.98%
NO CAUSE CODE	0.05%	WIND, HIGH WIND	0.00%
PLANNED OUTAGE	1.64%	WEATHER	0.00%
POWER SUPPLIER	0.00%		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	78.39
10. REPORTING YEAR (SAIDI):	110.19
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	1.00
12. REPORTING YEAR (SAIFI):	1.38

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Identify new surge arrestor placement opportunities. Review overvoltage protection.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #6:	MAGNOLIA - 2
1. SUBSTATION NAME AND NUMBER:	MAGNOLIA (5)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	LARUE - NEW JACKSON HWY - MAGNOLIA
3. CIRCUIT NAME AND NUMBER:	MAGNOLIA - 2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	SHERMAN, KY - MT SHERMAN RD, JACKSON RD
5. TOTAL CIRCUIT LENGTH (MILES):	25.48
6. CUSTOMER COUNT FOR THIS CIRCUIT:	176
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	02/21

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	0.00%	PUBLIC ACCIDENTS, OTHER	2.55%
EQUIPMENT / MATERIAL FAILURE	0.00%	SMALL ANIMALS OR BIRDS	0.00%
LIGHTNING	0.00%	TREES	97.45%
NO CAUSE CODE	0.00%	WIND, HIGH WIND	0.00%
PLANNED OUTAGE	0.00%	WEATHER	0.00%
POWER SUPPLIER	0.00%		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	40.85
10. REPORTING YEAR (SAIDI):	152.08
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.60
12. REPORTING YEAR (SAIFI):	0.75

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Review ROW conditions and vegetation management cycle.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #7:	STEPHENSBURG - 1
1. SUBSTATION NAME AND NUMBER:	STEPHENSBURG (6)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN-LEITCHFIELD RD-STEPHENSBURG
3. CIRCUIT NAME AND NUMBER:	STEPHENSBURG - 1
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	GLENDALE, KY - STAR MILLS EASTVIEW RD, BACON CREEK RD, HWY 222, CECILIA SMITH MILL RD, PARTRIDGE WAY
5. TOTAL CIRCUIT LENGTH (MILES):	34.95
6. CUSTOMER COUNT FOR THIS CIRCUIT:	477
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	04/19

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.00%</u>
EQUIPMENT / MATERIAL FAILURE	<u>0.60%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>0.00%</u>	TREES	<u>0.00%</u>
NO CAUSE CODE	<u>0.00%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>3.58%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>95.81%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	66.70
10. REPORTING YEAR (SAIDI):	57.13
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	1.00
12. REPORTING YEAR (SAIFI):	1.04

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Nolin RECC to work with EKPC to review remedies for transmission/substation reliability issues.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #8:	STEPHENSBURG - 2
1. SUBSTATION NAME AND NUMBER:	STEPHENSBURG (6)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN-LEITCHFIELD RD-STEPHENSBURG
3. CIRCUIT NAME AND NUMBER:	STEPHENSBURG - 2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	WHITE HILLS, KY - W WHITE MILLS GLENDALE RD, S LONG GROVE RD, MELROSE RD, SONORA HARDIN SPRINGS RD
5. TOTAL CIRCUIT LENGTH (MILES):	36.00
6. CUSTOMER COUNT FOR THIS CIRCUIT:	249
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	04/19

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>9.11%</u>
EQUIPMENT / MATERIAL FAILURE	<u>2.80%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>0.00%</u>	TREES	<u>0.00%</u>
NO CAUSE CODE	<u>0.00%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>1.15%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>86.95%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	29.09
10. REPORTING YEAR (SAIDI):	62.40
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.57
12. REPORTING YEAR (SAIFI):	1.15

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	<p>Nolin RECC to work with EKPC to review remedies for transmission/substation reliability issues.</p>
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #9:	STEPHENSBURG - 3
1. SUBSTATION NAME AND NUMBER:	STEPHENSBURG (6)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN-LEITCHFIELD RD-STEPHENSBURG
3. CIRCUIT NAME AND NUMBER:	STEPHENSBURG - 3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	STEPHENSBERG, KY - LEITCHFIELD RD, SONORA HARDIN SPRINGS RD, WEBB MILLS RD
5. TOTAL CIRCUIT LENGTH (MILES):	68.08
6. CUSTOMER COUNT FOR THIS CIRCUIT:	561
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	03/19

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):	
	CONTRACTOR	0.00%
	PUBLIC ACCIDENTS, OTHER	0.60%
	EQUIPMENT / MATERIAL FAILURE	24.95%
	SMALL ANIMALS OR BIRDS	0.00%
	LIGHTNING	10.24%
	TREES	1.03%
	NO CAUSE CODE	9.14%
	WIND, HIGH WIND	0.00%
	PLANNED OUTAGE	2.89%
	WEATHER	0.00%
	POWER SUPPLIER	51.15%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	87.67
10. REPORTING YEAR (SAIDI):	87.11
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.96
12. REPORTING YEAR (SAIFI):	1.35

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Nolin RECC to work with EKPC to review remedies for transmission/substation reliability issues.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #10:	STEPHENSBURG - 4
1. SUBSTATION NAME AND NUMBER:	STEPHENSBURG (6)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN-LEITCHFIELD RD-STEPHENSBURG
3. CIRCUIT NAME AND NUMBER:	STEPHENSBURG - 4
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	EASTVIEW, KY -EASTVIEW RD, MEETING CREEK RD, SONORA HARDIN SPRINGS RD
5. TOTAL CIRCUIT LENGTH (MILES):	73.28
6. CUSTOMER COUNT FOR THIS CIRCUIT:	579
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	02/19

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):	
	CONTRACTOR	2.59%
	PUBLIC ACCIDENTS, OTHER	0.00%
	EQUIPMENT / MATERIAL FAILURE	25.17%
	SMALL ANIMALS OR BIRDS	0.17%
	LIGHTNING	0.00%
	TREES	7.00%
	NO CAUSE CODE	0.53%
	WIND, HIGH WIND	0.00%
	PLANNED OUTAGE	0.27%
	WEATHER	0.00%
	POWER SUPPLIER	64.27%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	39.67
10. REPORTING YEAR (SAIDI):	72.53
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.59
12. REPORTING YEAR (SAIFI):	1.32

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Nolin RECC to work with EKPC to review remedies for transmission/substation reliability issues.

SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #11:	STEPHENSBURG - 5
1. SUBSTATION NAME AND NUMBER:	STEPHENSBURG (6)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN-LEITCHFIELD RD-STEPHENSBURG
3. CIRCUIT NAME AND NUMBER:	STEPHENSBURG - 5
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	STEPHENSBURG, KY - EASTVIEW RD, NACKE PIKE RD
5. TOTAL CIRCUIT LENGTH (MILES):	42.06
6. CUSTOMER COUNT FOR THIS CIRCUIT:	313
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	02/19

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.00%</u>
EQUIPMENT / MATERIAL FAILURE	<u>0.52%</u>	SMALL ANIMALS OR BIRDS	<u>1.16%</u>
LIGHTNING	<u>0.00%</u>	TREES	<u>0.56%</u>
NO CAUSE CODE	<u>3.89%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>1.21%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>92.66%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	59.56
10. REPORTING YEAR (SAIDI):	50.78
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.76
12. REPORTING YEAR (SAIFI):	1.04

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Nolin RECC to work with EKPC to review remedies for transmission/substation reliability issues.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #12:	VERTREES - 2
1. SUBSTATION NAME AND NUMBER:	VERTREES (8)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - SALT RIVER RD. - VERTREES
3. CIRCUIT NAME AND NUMBER:	VERTREES - 2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	VERTREES, KY - SALT RIVER RD, SAINT JOHN RD
5. TOTAL CIRCUIT LENGTH (MILES):	56.86
6. CUSTOMER COUNT FOR THIS CIRCUIT:	524
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	05/16

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.09%</u>
EQUIPMENT / MATERIAL FAILURE	<u>92.93%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>0.50%</u>	TREES	<u>4.83%</u>
NO CAUSE CODE	<u>1.38%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>0.26%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>0.00%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	41.64
10. REPORTING YEAR (SAIDI):	165.25
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.56
12. REPORTING YEAR (SAIFI):	1.14

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Feeder inspection to identify equipment for maintenance.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #13:	VINE GROVE - 2
1. SUBSTATION NAME AND NUMBER:	VINE GROVE (9)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - ROGERSVILLE RD. - VINE GROVE
3. CIRCUIT NAME AND NUMBER:	VINE GROVE - 2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	VINE GROVE, KY - TO HWY 313 & COMMERCE DR
5. TOTAL CIRCUIT LENGTH (MILES):	2.48
6. CUSTOMER COUNT FOR THIS CIRCUIT:	91
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	08/17

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.00%</u>
EQUIPMENT / MATERIAL FAILURE	<u>0.00%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>0.00%</u>	TREES	<u>92.96%</u>
NO CAUSE CODE	<u>0.00%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>7.04%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>0.00%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	41.77
10. REPORTING YEAR (SAIDI):	62.50
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.39
12. REPORTING YEAR (SAIFI):	0.78

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Review ROW conditions and vegetation management cycle.



SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #14:	VINE GROVE - 6
1. SUBSTATION NAME AND NUMBER:	VINE GROVE (9)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - ROGERSVILLE RD. - RADCLIFF
3. CIRCUIT NAME AND NUMBER:	VINE GROVE - 6
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	VINE GROVE, KY - JOE PRATHER HWY, WINTERGREEN DR, S DIXIE BLVD
5. TOTAL CIRCUIT LENGTH (MILES):	9.21
6. CUSTOMER COUNT FOR THIS CIRCUIT:	326
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	07/17

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.00%</u>
EQUIPMENT / MATERIAL FAILURE	<u>0.00%</u>	SMALL ANIMALS OR BIRDS	<u>41.68%</u>
LIGHTNING	<u>55.74%</u>	TREES	<u>0.00%</u>
NO CAUSE CODE	<u>0.00%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>2.58%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>0.00%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	11.37
10. REPORTING YEAR (SAIDI):	19.24
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.18
12. REPORTING YEAR (SAIFI):	0.26

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Identify new surge arrestor placement opportunities. Review overvoltage protection. Feeder inspection will identify areas to mitigate animal caused outages.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #15:	RADCLIFF - 2
1. SUBSTATION NAME AND NUMBER:	RADCLIFF (10)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - HILL ST (NEAR W. LINCOLN TRAIL BLVD) - RADCLIFF
3. CIRCUIT NAME AND NUMBER:	RADCLIFF - 2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	VINE GROVE, KY - KNOX AVE, WEST SIDE OF SAFARI TRL, RED HILL RD TO GERONIMO CIR, DITTO LN
5. TOTAL CIRCUIT LENGTH (MILES):	18.92
6. CUSTOMER COUNT FOR THIS CIRCUIT:	436
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	01/18

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.00%</u>
EQUIPMENT / MATERIAL FAILURE	<u>1.10%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>1.51%</u>	TREES	<u>96.87%</u>
NO CAUSE CODE	<u>0.00%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>0.52%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>0.00%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	36.63
10. REPORTING YEAR (SAIDI):	85.71
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.45
12. REPORTING YEAR (SAIFI):	1.02

13. LIST OF CORRECTIVE ACTION, IF ANY,  
TAKEN OR TO BE TAKEN

Review ROW conditions and vegetation management cycle.

SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #16:	TUNNEL HILL 1 - 2
1. SUBSTATION NAME AND NUMBER:	TUNNEL HILL 1 (11)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - TUNNEL HILL RD. - E-TOWN
3. CIRCUIT NAME AND NUMBER:	TUNNEL HILL 1 - 2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	ELIZABETHTOWN, KY - TUNNEL HILL RD, RING RD, BON AIRE DR
5. TOTAL CIRCUIT LENGTH (MILES):	6.92
6. CUSTOMER COUNT FOR THIS CIRCUIT:	730
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	12/18

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.00%</u>
EQUIPMENT / MATERIAL FAILURE	<u>0.34%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>2.68%</u>	TREES	<u>0.00%</u>
NO CAUSE CODE	<u>0.00%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>0.00%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>96.98%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	37.22
10. REPORTING YEAR (SAIDI):	70.27
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.36
12. REPORTING YEAR (SAIFI):	1.06

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	<p>Nolin RECC to work with EKPC to review remedies for transmission/substation reliability issues.</p>
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #17:	THARP 1 - 5
1. SUBSTATION NAME AND NUMBER:	THARP 1 (12)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - ST. JOHN RD. - ETOWN
3. CIRCUIT NAME AND NUMBER:	THARP 1 - 5
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	ELIZABETHTOWN, KY - SAINT JOHN RD, RING RD, WEST PARK RD
5. TOTAL CIRCUIT LENGTH (MILES):	0.29
6. CUSTOMER COUNT FOR THIS CIRCUIT:	6
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	12/15

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.00%</u>
EQUIPMENT / MATERIAL FAILURE	<u>0.00%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>0.00%</u>	TREES	<u>0.00%</u>
NO CAUSE CODE	<u>0.00%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>100.00%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>0.00%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	15.84
10. REPORTING YEAR (SAIDI):	156.40
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.42
12. REPORTING YEAR (SAIFI):	0.83

13. LIST OF CORRECTIVE ACTION, IF ANY,  
TAKEN OR TO BE TAKEN

SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #18:	SOUTH BOUNDARY - 2
1. SUBSTATION NAME AND NUMBER:	SOUTH BOUNDARY (14)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - HWY 313 - RADCLIFF
3. CIRCUIT NAME AND NUMBER:	SOUTH BOUNDARY - 2
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	RADCLIFF, KY - SOUTH BOUNDARY RD (N OF SUB) , WAGON WHEEL TR , LIBERTY ST
5. TOTAL CIRCUIT LENGTH (MILES):	7.43
6. CUSTOMER COUNT FOR THIS CIRCUIT:	504
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	03/18

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):	
	CONTRACTOR	0.00%
	PUBLIC ACCIDENTS, OTHER	0.00%
	EQUIPMENT / MATERIAL FAILURE	2.51%
	SMALL ANIMALS OR BIRDS	55.89%
	LIGHTNING	0.00%
	TREES	41.60%
	NO CAUSE CODE	0.00%
	WIND, HIGH WIND	0.00%
	PLANNED OUTAGE	0.00%
	WEATHER	0.00%
	POWER SUPPLIER	0.00%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	11.21
10. REPORTING YEAR (SAIDI):	19.07
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.11
12. REPORTING YEAR (SAIFI):	0.24

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Feeder inspection will identify areas to mitigate animal caused outages. Review ROW conditions and vegetation management cycle.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #19:	SOUTH BOUNDARY - 3
1. SUBSTATION NAME AND NUMBER:	SOUTH BOUNDARY (14)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - HWY 313 - RADCLIFF
3. CIRCUIT NAME AND NUMBER:	SOUTH BOUNDARY - 3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	RADCLIFF, KY - SOUTH BOUNDARY RD (N OF SUB) , AUSTIN DR , SHELBY AVE
5. TOTAL CIRCUIT LENGTH (MILES):	23.23
6. CUSTOMER COUNT FOR THIS CIRCUIT:	697
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	03/18

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.42%</u>
EQUIPMENT / MATERIAL FAILURE	<u>1.47%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>0.00%</u>	TREES	<u>29.57%</u>
NO CAUSE CODE	<u>0.00%</u>	WIND, HIGH WIND	<u>11.72%</u>
PLANNED OUTAGE	<u>32.28%</u>	WEATHER	<u>24.55%</u>
POWER SUPPLIER	<u>0.00%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	27.35
10. REPORTING YEAR (SAIDI):	18.71
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.42
12. REPORTING YEAR (SAIFI):	1.30

13. LIST OF CORRECTIVE ACTION, IF ANY,  
TAKEN OR TO BE TAKEN

SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #20:	SOUTH BOUNDARY - 5
1. SUBSTATION NAME AND NUMBER:	SOUTH BOUNDARY (14)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - HWY 313 - RADCLIFF
3. CIRCUIT NAME AND NUMBER:	SOUTH BOUNDARY - 5
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	ELIZABETHTOWN, KY - BATTLE TRAINING RD, BEWLEY HOLLOW RD
5. TOTAL CIRCUIT LENGTH (MILES):	17.87
6. CUSTOMER COUNT FOR THIS CIRCUIT:	353
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	03/18

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):	
	CONTRACTOR	0.00%
	EQUIPMENT / MATERIAL FAILURE	1.47%
	LIGHTNING	0.00%
	NO CAUSE CODE	0.00%
	PLANNED OUTAGE	4.37%
	POWER SUPPLIER	0.00%
	PUBLIC ACCIDENTS, OTHER	0.00%
	SMALL ANIMALS OR BIRDS	91.55%
	TREES	2.61%
	WIND, HIGH WIND	0.00%
	WEATHER	0.00%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	33.39
10. REPORTING YEAR (SAIDI):	64.06
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.50
12. REPORTING YEAR (SAIFI):	1.07

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Feeder inspection will identify areas to mitigate animal caused outages.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #21:	ETOWN 2 - 3
1. SUBSTATION NAME AND NUMBER:	ETOWN 2 (20)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - WOODLAND DR. - E-TOWN
3. CIRCUIT NAME AND NUMBER:	ETOWN 2 - 3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	ELIZABETHTOWN, KY - DEERFIELD HILLS RD, RINEYVILLE RD
5. TOTAL CIRCUIT LENGTH (MILES):	2.40
6. CUSTOMER COUNT FOR THIS CIRCUIT:	200
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	07/16

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.00%</u>
EQUIPMENT / MATERIAL FAILURE	<u>0.00%</u>	SMALL ANIMALS OR BIRDS	<u>0.00%</u>
LIGHTNING	<u>0.00%</u>	TREES	<u>99.45%</u>
NO CAUSE CODE	<u>0.00%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>0.55%</u>	WEATHER	<u>0.00%</u>
POWER SUPPLIER	<u>0.00%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	49.77
10. REPORTING YEAR (SAIDI):	59.39
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.83
12. REPORTING YEAR (SAIFI):	0.43

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Review ROW conditions and vegetation management cycle.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #22:	RINEYVILLE - 3
1. SUBSTATION NAME AND NUMBER:	RINEYVILLE (21)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - OWSLEY RD - RINEYVILLE
3. CIRCUIT NAME AND NUMBER:	RINEYVILLE - 3
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	RINEYVILLE, KY - BERRYTOWN RD, RINEYVILLE BIG SPRINGS RD, RINEYVILLE SCHOOL RD
5. TOTAL CIRCUIT LENGTH (MILES):	19.51
6. CUSTOMER COUNT FOR THIS CIRCUIT:	466
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	05/17

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):	
	CONTRACTOR	13.02%
	PUBLIC ACCIDENTS, OTHER	49.49%
	EQUIPMENT / MATERIAL FAILURE	6.96%
	SMALL ANIMALS OR BIRDS	5.59%
	LIGHTNING	0.00%
	TREES	0.00%
	NO CAUSE CODE	0.00%
	WIND, HIGH WIND	0.00%
	PLANNED OUTAGE	24.93%
	WEATHER	0.00%
	POWER SUPPLIER	0.00%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	4.96
10. REPORTING YEAR (SAIDI):	3.57
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.07
12. REPORTING YEAR (SAIFI):	0.11

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN	Feeder inspection will identify areas for correction.
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SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #23:	RINEYVILLE - 4
1. SUBSTATION NAME AND NUMBER:	RINEYVILLE (21)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - OWSLEY RD - RINEYVILLE
3. CIRCUIT NAME AND NUMBER:	RINEYVILLE - 4
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	RINEYVILLE, KY - BERRYTOWN RD, BLUE BALL RD, SALT RIVER RD
5. TOTAL CIRCUIT LENGTH (MILES):	44.12
6. CUSTOMER COUNT FOR THIS CIRCUIT:	424
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	04/17

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):		
CONTRACTOR	<u>0.00%</u>	PUBLIC ACCIDENTS, OTHER	<u>0.00%</u>
EQUIPMENT / MATERIAL FAILURE	<u>0.66%</u>	SMALL ANIMALS OR BIRDS	<u>15.29%</u>
LIGHTNING	<u>1.08%</u>	TREES	<u>62.92%</u>
NO CAUSE CODE	<u>17.87%</u>	WIND, HIGH WIND	<u>0.00%</u>
PLANNED OUTAGE	<u>1.22%</u>	WEATHER	<u>0.96%</u>
POWER SUPPLIER	<u>0.00%</u>		

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	39.94
10. REPORTING YEAR (SAIDI):	36.65
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.35
12. REPORTING YEAR (SAIFI):	0.50

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Review ROW conditions and vegetation management cycle.

SECTION 5: CIRCUIT REPORTING  
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)  
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT #24:	THARP 2 - 5
1. SUBSTATION NAME AND NUMBER:	THARP 2 (22)
2. SUBSTATION LOCATION (COUNTY-ROAD-TOWN):	HARDIN - ST. JOHN RD. - ETOWN
3. CIRCUIT NAME AND NUMBER:	THARP 2 - 5
4. CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA):	ELIZABETHTOWN, KY - SAINT JOHN RD, WILMOTH RD, LANGLEY TRACE, CHARLEMAGNE BLVD
5. TOTAL CIRCUIT LENGTH (MILES):	2.29
6. CUSTOMER COUNT FOR THIS CIRCUIT:	258
7. DATE OF LAST CIRCUIT TRIM (MM/YY):	08/15

8. LIST OF OUTAGE(S):	OUTAGE MINUTES (% OF TOTAL OUTAGE MINUTES):	
	CONTRACTOR	0.00%
	PUBLIC ACCIDENTS, OTHER	0.25%
	EQUIPMENT / MATERIAL FAILURE	85.03%
	SMALL ANIMALS OR BIRDS	0.00%
	LIGHTNING	0.00%
	TREES	9.25%
	NO CAUSE CODE	0.00%
	WIND, HIGH WIND	0.00%
	PLANNED OUTAGE	5.47%
	WEATHER	0.00%
	POWER SUPPLIER	0.00%

9. CIRCUIT 5 YEAR AVERAGE (SAIDI):	29.10
10. REPORTING YEAR (SAIDI):	60.92
11. CIRCUIT 5 YEAR AVERAGE (SAIFI):	0.69
12. REPORTING YEAR (SAIFI):	0.50

13. LIST OF CORRECTIVE ACTION, IF ANY, TAKEN OR TO BE TAKEN

Feeder inspection to identify equipment for maintenance.

SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW  
INCLUDE CURRENT VEGETATION MANGEMENT PLAN

See attached "Vegetation Management Program 2-18-11 Nolin.pdf"

SECTION 7: UTILITY COMMENTS