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KENTUCKY PUBLIC SERVICE COMMISSION

APR 2 2015

Electric Distribution Utility Annual Reliability Report

PUBLIC SERVICE
COMMISSION

SECTION 1: CONTACT INFORMATION

UTILITY NAME	Grayson Rural Electric Cooperative Corporation
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SECTION 2: REPORTING YEAR

CALENDAR YEAR OF REPORT	2014
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SECTION 3: MAJOR EVENT DAYS (MED)

	T _{MED}	46.949
FIRST DATE USED TO DETERMINE	T _{MED}	1/1/2012
LAST DATE USED TO DETERMINE	T _{MED}	12/31/2013
NUMBER OF MED IN REPORT YEAR		6

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 are accumulated

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SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

System-wide Information			
TOTAL CUSTOMERS:	<u>15,304</u>	TOTAL CIRCUITS	<u>42</u>
Excluding MED			
	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>294.9</u>	SAIDI	<u>343.4</u>
SAIFI	<u>2.38</u>	SAIFI	<u>3.54</u>
Including MED			
	5 YEAR AVERAGE		REPORTING YEAR
SAIDI	<u>968.6</u>	SAIDI	<u>2510.0</u>
SAIFI	<u>3.57</u>	SAIFI	<u>5.17</u>

NOTES:

- 1) All durations indices (SAIDI) 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) issued to define SAIDI, SAIFI and T_{MED}

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SECTION 5: CIRCUIT REPORTING

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

(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

1. Airport Road (Sub 12)
2. The sub is located on Rt. 986 (Airport Road)
3. Feeder 1
4. South along Rt. 7 toward Elliott County
5. Approximately 28.1 Primary Miles
6. 200 Active Consumers
7. Circuit has been 'hot spot' cut for years. Records don't indicate a full cut year.
8. Causes of last years outages:

520 Ice, sleet, frost, not trees	28.6%
430 Tree failure from overhang or dead tree without ice/snow	21.4%
999 Cause unknown	14.3%
440 Trees with ice/snow	9.5%
360 Other equipment installation/design	7.1%
600 Small animal/bird	7.1%
110 Maintenance	2.4%
300 Material or equipment fault/failure	2.4%
500 Lightning	2.4%
510 Wind, not trees	2.4%
800 Other	2.4%
- *9. The 5 year average SAIDI is 3.74
10. The SAIDI for 2014 was 6.01
- *11. The 5 year average SAIFI is 0.03
12. The SAIFI for 2014 was 0.06
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Airport Road (Sub 12)
2. The sub is located on Rt. 986 (Airport Road)
3. Feeder 2
4. Follows Airport Road
5. Approximately 77.3 Primary Miles
6. 504 Active Consumers
7. Circuit was partially cut in 2009 and is in progress of a being cut now.
8. Causes of last years outages:

520 Ice, sleet, frost, not trees	21.1%
110 Maintenance	13.7%
300 Material or equipment fault/failure	12.6%
600 Small animal/bird	12.6%
430 Tree failure from overhang or dead tree without ice/snow	8.4%
590 Weather, other	8.4%
500 Lightning	4.2%
400 Decay/age of material/equipment	3.2%
410 Corrosion/abrasion of material/equipment	3.2%
100 Construction	2.1%
420 Tree growth	2.1%
999 Cause unknown	2.1%
000 Power supply	1.1%
340 Overload	1.1%
440 Trees with ice/snow	1.1%
510 Wind, not trees	1.1%
700 Customer-caused	1.1%
800 Other	1.1%
- *9. The 5 year average SAIDI is 14.49
10. The SAIDI for 2014 was 18.81
- *11. The 5 year average SAIFI is 0.13
12. The SAIFI for 2014 was 0.13
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Airport Road (Sub 12)
2. The sub is located on Rt. 986 (Airport Road)
3. Feeder 3
4. North along Rt. 7 toward Grayson Lake
5. Approximately 19.0 Primary Miles
6. 102 Active Consumers
7. Records indicate this circuit has only been spot cut.
8. Causes of last years outages:

520 Ice, sleet, frost, not trees	23.5%
110 Maintenance	17.6%
300 Material or equipment fault/failure	11.8%
500 Lightning	11.8%
590 Weather, other	11.8%
710 Motor vehicle	11.8%
440 Trees with ice/snow	5.9%
600 Small animal/bird	5.9%
- *9. The 5 year average SAIDI is 5.07
10. The SAIDI for 2014 was 5.51
- *11. The 5 year average SAIFI is 0.04
12. The SAIFI for 2014 was 0.03
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Argentum Sub (1)
2. Located approx. one half mile north of AA Highway on Rt. 7
3. Feeder 1
4. North along Rt. 7 / Schultz
5. Approximately 56.8 Primary Miles
6. 555 Active Consumers
7. Circuit was last cut in 2011
8. Causes of last years outages:

600 Small animal/bird	21.2%
590 Weather, other	15.4%
300 Material or equipment fault/failure	13.5%
110 Maintenance	9.6%
520 Ice, sleet, frost, not trees	7.7%
999 Cause unknown	7.7%
430 Tree failure from overhang or dead tree without ice/snow	5.8%
500 Lightning	5.8%
410 Corrosion/abrasion of material/equipment	3.8%
440 Trees with ice/snow	3.8%
190 Other planned	1.9%
320 Conductor sag or inadequate clearance	1.9%
400 Decay/age of material/equipment	1.9%
- *9. The 5 year average SAIDI is 16.43
10. The SAIDI for 2014 was 17.65
- *11. The 5 year average SAIFI is 0.10
12. The SAIFI for 2014 was 0.13
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Argentum Sub (1)
2. Located approx. one half mile north of AA Highway on Rt. 7
3. Feeder 2
4. South along Rt. 7 toward gas plant
5. Approximately 99.3 Primary Miles
6. 671 Active Consumers
7. Circuit was last cut in 2011
8. Causes of last years outages:

110 Maintenance	15.3%
300 Material or equipment fault/failure	4.2%
340 Overload	1.4%
400 Decay/age of material/equipment	4.2%
410 Corrosion/abrasion of material/equipment	1.4%
420 Tree growth	1.4%
430 Tree failure from overhang or dead tree without ice/snow	2.8%
490 Maintenance, other	1.4%
500 Lightning	4.2%
520 Ice, sleet, frost, not trees	6.9%
590 Weather, other	15.3%
600 Small animal/bird	26.4%
710 Motor vehicle	1.4%
730 Fire	1.4%
740 Public cuts tree	2.8%
800 Other	1.4%
999 Cause unknown	8.3%
- *9. The 5 year average SAIDI is 11.22
10. The SAIDI for 2014 was 9.46
- *11. The 5 year average SAIFI is 0.07
12. The SAIFI for 2014 was 0.08
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Carter City Sub (10)
2. Located approx 0.2 miles north of Jct of 474 on Rt. 2 & 7
3. Feeder 1
4. Sand Suck to Adkins Loop
5. Approximately 41.4 Primary Miles
6. 224 Active Consumers
7. Records indicate circuit has only be 'spot cut'.
8. Causes of last years outages:

600 Small animal/bird	31.7%
520 Ice, sleet, frost, not trees	17.1%
500 Lightning	12.2%
590 Weather, other	12.2%
110 Maintenance	9.8%
340 Overload	4.9%
400 Decay/age of material/equipment	2.4%
430 Tree failure from overhang or dead tree without ice/snow	2.4%
440 Trees with ice/snow	2.4%
610 Large animal	2.4%
800 Other	2.4%
- *9. The 5 year average SAIDI is 4.02
10. The SAIDI for 2014 was 5.44
- *11. The 5 year average SAIFI is 0.03
12. The SAIFI for 2014 was 0.05
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Carter City Sub (10)
2. Located approx 0.2 miles north of Jct of 474 on Rt. 2 & 7
3. Feeder 4
4. Rt. 2 & 7 North
5. Approximately 78.0 Primary Miles
6. 455 Active Consumers
7. Circuit was cut in 2009
8. Causes of last years outages:

110 Maintenance	24.6%
410 Corrosion/abrasion of material/equipment	20.0%
520 Ice, sleet, frost, not trees	15.4%
430 Tree failure from overhang or dead tree without ice/snow	10.8%
590 Weather, other	7.7%
600 Small animal/bird	7.7%
300 Material or equipment fault/failure	4.6%
420 Tree growth	4.6%
999 Cause unknown	3.1%
500 Lightning	1.5%
- *9. The 5 year average SAIDI is 4.02
10. The SAIDI for 2014 was 4.61
- *11. The 5 year average SAIFI is 0.04
12. The SAIFI for 2014 was 0.07
13. See Section 7

* Average for 2010-2013

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SECTION 5: CIRCUIT REPORTING

Continued

1. Elliottville Sub (7)
 2. Located on Fouch Rd off Rt. 32 approx 1.5 miles east of Jct Rt. 504 and Rt. 32
 3. Feeder 2
 4. Rt. 32 toward Morehead/Triangle Tower
 5. Approximately 39.5 Primary Miles
 6. 557 Active Consumers
 7. Circuit was cut in 2007
 8. Causes of last years outages:

110 Maintenance	17.1%
520 Ice, sleet, frost, not trees	14.3%
600 Small animal/bird	14.3%
590 Weather, other	10.0%
999 Cause unknown	8.6%
800 Other	7.1%
300 Material or equipment fault/failure	5.7%
400 Decay/age of material/equipment	4.3%
430 Tree failure from overhang or dead tree without ice/snow	4.3%
500 Lightning	4.3%
700 Customer-caused	4.3%
490 Maintenance, other	2.9%
100 Construction	1.4%
510 Wind, not trees	1.4%
 - *9. The 5 year average SAIDI is 8.75
 10. The SAIDI for 2014 was 11.74
 - *11. The 5 year average SAIFI is 0.06
 12. The SAIFI for 2014 was 0.08
 13. See Section 7
- * Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Elliottville Sub (7)
2. Located on Fouch Rd off Rt. 32 approx 1.5 miles east of Jct Rt. 504 and Rt. 32
3. Feeder 3
4. CCC Trail to Bangor
5. Approximately 114.1 Primary Miles
6. 745 Active Consumers
7. Circuit was cut in 2014
8. Causes of last years outages:

500 Lightning	27.1%
520 Ice, sleet, frost, not trees	17.1%
590 Weather, other	12.9%
600 Small animal/bird	10.0%
110 Maintenance	8.2%
300 Material or equipment fault/failure	4.1%
400 Decay/age of material/equipment	4.1%
999 Cause unknown	2.9%
420 Tree growth	2.4%
430 Tree failure from overhang or dead tree without ice/snow	2.4%
360 Other equipment installation/design	1.8%
440 Trees with ice/snow	1.2%
800 Other	1.2%
100 Construction	0.6%
460 Moisture	0.6%
490 Maintenance, other	0.6%
510 Wind, not trees	0.6%
690 Animal, other	0.6%
700 Customer-caused	0.6%
710 Motor vehicle	0.6%
790 Public, other	0.6%
- *9. The 5 year average SAIDI is 40.17
10. The SAIDI for 2014 was 45.79
- *11. The 5 year average SAIFI is 0.36
12. The SAIFI for 2014 was 0.39
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Elliottville Sub (7)
2. Located on Fouch Rd off Rt. 32 approx 1.5 miles east of Jct Rt. 504 and Rt. 32
3. Feeder 4
4. Rt. 504
5. Approximately 81.5 Primary Miles
6. 434 Active Consumers
7. Circuit was cut in 2008
8. Causes of last years outages:

520 Ice, sleet, frost, not trees	22.97%
999 Cause unknown	16.22%
590 Weather, other	10.81%
300 Material or equipment fault/failure	9.46%
600 Small animal/bird	9.46%
420 Tree growth	6.76%
800 Other	5.41%
500 Lightning	4.05%
110 Maintenance	2.70%
430 Tree failure from overhang or dead tree without ice/snow	2.70%
510 Wind, not trees	2.70%
000 Power supply	1.35%
400 Decay/age of material/equipment	1.35%
440 Trees with ice/snow	1.35%
690 Animal, other	1.35%
790 Public, other	1.35%
- *9. The 5 year average SAIDI is 4.33
10. The SAIDI for 2014 was 9.15
- *11. The 5 year average SAIFI is 0.04
12. The SAIFI for 2014 was 0.10
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Leon (2)
2. Located on Rt. 1661
3. Feeder 1
4. North Rt. 7 toward Grayson
5. Approximately 14.7 Primary Miles
6. 179 Active Consumers
7. Circuit was cut in 2009
8. Causes of last years outages:

520 Ice, sleet, frost, not trees	43.6%
600 Small animal/bird	12.7%
110 Maintenance	9.1%
500 Lightning	9.1%
420 Tree growth	5.5%
400 Decay/age of material/equipment	3.6%
430 Tree failure from overhang or dead tree without ice/snow	3.6%
530 Flood	3.6%
590 Weather, other	3.6%
300 Material or equipment fault/failure	1.8%
710 Motor vehicle	1.8%
800 Other	1.8%
- *9. The 5 year average SAIDI is 3.61
10. The SAIDI for 2014 was 3.67
- *11. The 5 year average SAIFI is 0.04
12. The SAIFI for 2014 was 0.04
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Leon (2)
2. Located on Rt. 1661
3. Feeder 2
4. Four Mile toward Adkins Loop
5. Approximately 35.7 Primary Miles
6. 244 Active Consumers
7. Circuit was cut in 2014
8. Causes of last years outages:

600 Small animal/bird	25.0%
520 Ice, sleet, frost, not trees	18.8%
110 Maintenance	12.5%
300 Material or equipment fault/failure	12.5%
400 Decay/age of material/equipment	12.5%
500 Lightning	9.4%
610 Large animal	6.3%
590 Weather, other	3.1%
- *9. The 5 year average SAIDI is 5.21
10. The SAIDI for 2014 was 4.04
- *11. The 5 year average SAIFI is 0.04
12. The SAIFI for 2014 was 0.04
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Low Gap (Sub 11)
2. Junction Rt. 2 and Rt. 1459 (Low Gap Road)
3. Feeder 1
4. Rt. 2 toward North Fork/Warnock Sub
5. Approximately 8.5 Primary Miles
6. 99 Active Consumers
7. Circuit is scheduled to be cut in 2014
8. Causes of last years outages:

430 Tree failure from overhang or dead tree without ice/snow	28.6%
520 Ice, sleet, frost, not trees	19.0%
999 Cause unknown	19.0%
590 Weather, other	14.3%
600 Small animal/bird	9.5%
410 Corrosion/abrasion of material/equipment	4.8%
420 Tree growth	4.8%
- *9. The 5 year average SAIDI is 0.54
10. The SAIDI for 2014 was 0.98
- *11. The 5 year average SAIFI is .01
12. The SAIFI for 2013 was .01
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Low Gap (Sub 11)
2. Junction Rt. 2 and Rt. 1459 (Low Gap Road)
3. Feeder 2
4. Rt. 2 toward Whetstone/River Park
5. Approximately 46.4 Primary Miles
6. 715 Active Consumers
7. Circuit is scheduled to be cut in 2010
8. Causes of last years outages:

520 Ice, sleet, frost, not trees	18.8%
999 Cause unknown	17.2%
110 Maintenance	10.9%
430 Tree failure from overhang or dead tree without ice/snow	10.9%
590 Weather, other	10.9%
400 Decay/age of material/equipment	9.4%
600 Small animal/bird	9.4%
300 Material or equipment fault/failure	7.8%
320 Conductor sag or inadequate clearance	1.6%
700 Customer-caused	1.6%
730 Fire	1.6%
- *9. The 5 year average SAIDI is 17.26
10. The SAIDI for 2014 was 21.24
- *11. The 5 year average SAIFI is 0.10
12. The SAIFI for 2014 was 0.16
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Mazie (1)
2. Located on Rt. 32 at Mazie
3. Feeder 1
4. Rt. 32 toward Isonville
5. Approximately 42.3 Primary Miles
6. 289 Active Consumers
7. Records indicate spot cut only
8. Causes of last years outages:

520 Ice, sleet, frost, not trees	25.0%
430 Tree failure from overhang or dead tree without ice/snow	13.5%
999 Cause unknown	13.5%
590 Weather, other	9.6%
110 Maintenance	7.7%
500 Lightning	7.7%
600 Small animal/bird	7.7%
400 Decay/age of material/equipment	5.8%
360 Other equipment installation/design	1.9%
420 Tree growth	1.9%
510 Wind, not trees	1.9%
710 Motor vehicle	1.9%
800 Other	1.9%
- *9. The 5 year average SAIDI is 17.26
10. The SAIDI for 2014 was 21.24
- *11. The 5 year average SAIFI is 0.10
12. The SAIFI for 2014 was 0.16
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Newfoundland Sub (3)
2. Junction Rt. 32 & 7 in Elliott County
3. Feeder 1
4. Rt. 7 toward Bruin
5. Approximately 153.9 Primary Miles
6. 791 Active Consumers
7. Records show spot cut only
8. Causes of last years outages:

520 Ice, sleet, frost, not trees	27.42%
590 Weather, other	14.52%
110 Maintenance	14.52%
430 Tree failure from overhang or dead tree without ice/snow	9.68%
999 Cause unknown	7.26%
600 Small animal/bird	7.26%
500 Lightning	4.03%
300 Material or equipment fault/failure	3.23%
360 Other equipment installation/design	2.42%
510 Wind, not trees	1.61%
490 Maintenance, other	1.61%
400 Decay/age of material/equipment	1.61%
790 Public, other	0.81%
730 Fire	0.81%
690 Animal, other	0.81%
610 Large animal	0.81%
440 Trees with ice/snow	0.81%
340 Overload	0.81%
- *9. The 5 year average SAIDI is 4.93
10. The SAIDI for 2014 was 31.21
- *11. The 5 year average SAIFI is 0.08
12. The SAIFI for 2014 was 0.18
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Newfoundland Sub (3)
2. Junction Rt. 32 & 7 in Elliott County
3. Feeder 2
4. Rt. 32 toward Brown Ridge
5. Approximately 33.8 Primary Miles
6. 220 Active Consumers
7. Records show spot cut only
8. Causes of last years outages:

590 Weather, other	23.33%
520 Ice, sleet, frost, not trees	16.67%
999 Cause unknown	13.33%
500 Lightning	10.00%
110 Maintenance	6.67%
300 Material or equipment fault/failure	6.67%
420 Tree growth	6.67%
690 Animal, other	6.67%
400 Decay/age of material/equipment	3.33%
730 Fire	3.33%
800 Other	3.33%
- *9. The 5 year average SAIDI is 1.08
10. The SAIDI for 2014 was 3.81
- *11. The 5 year average SAIFI is 0.01
12. The SAIFI for 2014 was 0.02
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Newfoundland Sub (3)
2. Junction Rt. 32 & 7 in Elliott County
3. Feeder 3
4. follows Rt. 32 to Sandy Hook
5. Approximately 16.8 Primary Miles
6. 205 Active Consumers
7. Records show spot cut only
8. Causes of last years outages:

520 Ice, sleet, frost, not trees	31.03%
110 Maintenance	13.79%
300 Material or equipment fault/failure	6.90%
430 Tree failure from overhang or dead tree without ice/snow	6.90%
440 Trees with ice/snow	6.90%
500 Lightning	6.90%
600 Small animal/bird	6.90%
999 Cause unknown	6.90%
100 Construction	3.45%
490 Maintenance, other	3.45%
590 Weather, other	3.45%
800 Other	3.45%
- *9. The 5 year average SAIDI is .02
10. The SAIDI for 2014 was 3.71
- *11. The 5 year average SAIFI is 0.01
12. The SAIFI for 2014 was 0.03
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

SECTION 5: CIRCUIT REPORTING

Continued

1. Newfoundland Sub (3)
2. Junction Rt. 32 & 7 in Elliott County
3. Feeder 4
4. to Ruin
5. Approximately 35.5 Primary Miles
6. 256 Active Consumers
7. Records show spot cut only
8. Causes of last years outages:

520 Ice, sleet, frost, not trees	31.25%
590 Weather, other	25.00%
110 Maintenance	10.42%
999 Cause unknown	10.42%
300 Material or equipment fault/failure	6.25%
600 Small animal/bird	6.25%
100 Construction	2.08%
430 Tree failure from overhang or dead tree without ice/snow	2.08%
440 Trees with ice/snow	2.08%
490 Maintenance, other	2.08%
500 Lightning	2.08%
- *9. The 5 year average SAIDI is 1.69
10. The SAIDI for 2014 was 6.87
- *11. The 5 year average SAIFI is 0.03
12. The SAIFI for 2014 was 0.04
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

Continued

1. Pactolus (Sub 8)
2. Substation Road off Rt. 1959
3. Feeder 4
4. Rt. 1 toward Oldtown
5. Approximately 77.4 Primary Miles
6. 602 Active Consumers
7. Circuit was cut in 2014
8. Causes of last years outages:

110 Maintenance	18.92%
590 Weather, other	14.86%
600 Small animal/bird	13.51%
520 Ice, sleet, frost, not trees	12.16%
430 Tree failure from overhang or dead tree without ice/snow	10.81%
800 Other	6.76%
300 Material or equipment fault/failure	5.41%
400 Decay/age of material/equipment	5.41%
420 Tree growth	2.70%
470 Borrower crew cuts tree	2.70%
100 Construction	1.35%
410 Corrosion/abrasion of material/equipment	1.35%
510 Wind, not trees	1.35%
700 Customer-caused	1.35%
999 Cause unknown	1.35%
- *9. The 4 year average SAIDI is 6.26
10. The SAIDI for 2013 was 6.73
- *11. The 4 year average SAIFI is 0.07
12. The SAIFI for 2013 was 0.09
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

Continued

1. Pelfrey
2. Located on US 60 at Pleasant Valley
3. Feeder 1
4. West to West Carter/Rt. 2
5. Approximately 79.8 Primary Miles
6. 566 Active Consumer
7. Circuit was cut in 2012
8. Causes of last years outages:

600 Small animal/bird	34.29%
110 Maintenance	14.29%
500 Lightning	14.29%
400 Decay/age of material/equipment	8.57%
300 Material or equipment fault/failure	5.71%
340 Overload	5.71%
520 Ice, sleet, frost, not trees	5.71%
000 Power supply	2.86%
410 Corrosion/abrasion of material/equipment	2.86%
430 Tree failure from overhang or dead tree without ice/snow	2.86%
999 Cause unknown	2.86%
- *9. The 4 year average SAIDI is 5.00
10. The SAIDI for 2014 was 5.81
- *11. The 4 year average SAIFI is 0.06
12. The SAIFI for 2014 was 1.0
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

Continued

1. Pelfrey
2. Located on US 60 at Pleasant Valley
3. Feeder 2
4. East toward Cascade Road/Biggs Hill
5. Approximately 26.9 Primary Miles
6. 353 Active Consumer
7. Records show circuit has been spot cut.
8. Causes of last years outages:

600 Small animal/bird	28.07%
110 Maintenance	19.30%
590 Weather, other	12.28%
520 Ice, sleet, frost, not trees	10.53%
400 Decay/age of material/equipment	7.02%
500 Lightning	7.02%
430 Tree failure from overhang or dead tree without ice/snow	5.26%
300 Material or equipment fault/failure	1.75%
410 Corrosion/abrasion of material/equipment	1.75%
530 Flood	1.75%
710 Motor vehicle	1.75%
740 Public cuts tree	1.75%
999 Cause unknown	1.75%
- *9. The 4 year average SAIDI is 4.65
10. The SAIDI for 2014 was 5.23
- *11. The 4 year average SAIFI is 0.05
12. The SAIFI for 2014 was 0.05
13. See Section 7

* Average for 2010-2013

KENTUCKY PUBLIC SERVICE COMMISSION

Continued

1. Pelfrey
2. Located on US 60 at Pleasant Valley
3. Feeder 2
4. East toward Cascade Road/Biggs Hill
5. Approximately 26.9 Primary Miles
6. 353 Active Consumer
7. Records show circuit has been spot cut.
8. Causes of last years outages:

600 Small animal/bird	28.07%
110 Maintenance	19.30%
590 Weather, other	12.28%
520 Ice, sleet, frost, not trees	10.53%
400 Decay/age of material/equipment	7.02%
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* Average for 2010-2013

INCLUDE CURRENT VEGETATION MANAGEMENT PLAN

Additional pages may be attached as needed.

In 2014 we cleared 101 miles through our circuit cutting program. We also re-cleared 73 miles, bush hogged 34 miles, sprayed 59 miles of line of overhead lines. We removed 13,386 individual trees and trimmed 6,758 yard trees.

Our plans for 2015 include cutting two full circuits: Pactolus feeder #4 and Carter City feeder #3. Plans also include completing Warnock feeder #3 and Leon feeder #2. Airport Road substation feeder #2 and #3 will be sprayed as well as Pactolus Feeder #4.

SECTION 7: UTILITY COMMENTS

Information for this year's report was taken directly from our Outage Management System. In prior years, we had used the OMS information, but with modifications. This was done mainly because our mapping system is not complete, but we felt more confident of the information provided for 2014.

We are adding protective devices such as fuses to our OMS as new lines are built and by information provided by our Maintenance personnel. However, we will not have a complete and reliable system until some point after the end of 2018. The Board of Directors of Grayson R.E.C.C. have taken the initiative to finance a complete mapping program through our newly approved work plan, and it is scheduled to commence in 2017.

Although our OMS has improved with the addition of new information, we are still unable to provide as much and as exact information as this type of report requires. We are working to identify the cause of any decreases in reliability and act upon any scenarios that would provide disruption of power delivery to our members.
