

Electric Distribution Utility Annual Reliability ReportSECTION 1: CONTACT INFORMATION

2006-00494

UTILITY NAME	1.1	Grayson RECC
REPORT PREPARED BY	1.2	Brian Poling & Mike Martin
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SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	2013
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SECTION 3: MAJOR EVENT DAYS

TMED	3.1	31.37
FIRST DATE USED TO DETERMINE TMED	3.2	1/1/2008
LAST DATE USED TO DETERMINE TMED	3.3	12/31/2012
NUMBER OF MED IN REPORT YEAR	3.4	1

NOTE: Per IEEE 1366 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.

SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

SAIDI	4.1	268.8
SAIFI	4.2	2.57
CAIDI	4.3	104.4

Including MED (Optional)

SAIDI	4.4	324.8
SAIFI	4.5	2.73
CAIDI	4.6	118.8

Notes:

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

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SECTION 5: OUTAGE CAUSE CATEGORIES

Excluding MED

CAUSE CODE DESCRIPTION	SAIDI VALUE	CAUSE CODE DESCRIPTION	SAIFI VALUE
Material or equipment fault/failure 5.1.1	86.2	Material or equipment fault/failure 5.2.1	0.543
Tree failure from overhang or dead 5.1.2	35.0	Maintenance 5.2.2	0.311
Maintenance 5.1.3	26.1	Tree failure from overhang or dead tree without 5.2.3	0.293
Cause unknown 5.1.4	20.9	Power supply 5.2.4	0.275
Tree growth 5.1.5	14.1	Cause unknown 5.2.5	0.240
Lightning 5.1.6	10.6	Small animal/bird 5.2.6	0.159
Small animal/bird 5.1.7	10.1	Small animal/bird 5.2.7	0.159
Construction 5.1.8	8.9	Construction 5.2.8	0.112
Other 5.1.9	8.6	Tree growth 5.2.9	0.086
Corrosion/abrasion of material/equipment 5.1.10	8.1	Other 5.2.10	0.060

SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER	SAIDI VALUE	MAJOR OUTAGE CATEGORY
Elliottville 3	6.1.1 36.8	Material or Equipment Failure
Pactolus 1	6.1.2 28.1	Material or Equipment Failure
Low Gap 2	6.1.3 15.9	Tree failure from overhang or dead tree without ice/snow
Elliottville 2	6.1.4 15.0	Maintenance
Warnock 1	6.1.5 14.0	Material or Equipment Failure
Pactolus 4	6.1.6 10.7	Material or Equipment Failure
Mazie 2	6.1.7 9.7	Tree failure from overhang or dead tree without ice/snow
Warnock 4	6.1.8 9.5	Maintenance
Warnock 3	6.1.9 8.7	Material or Equipment Failure
Airport Road 2	6.1.10 8.2	Material or Equipment Failure

CIRCUIT IDENTIFIER	SAIFI VALUE	MAJOR OUTAGE CATEGORY
Elliottville 3	6.2.1 0.246	Material or Equipment Failure
Pactolus 1	6.2.2 0.185	Material or Equipment Failure
Low Gap 2	6.2.3 0.134	Other
Pactolus 4	6.2.4 0.126	Material or Equipment Failure
Elliottville 2	6.2.5 0.109	Cause Unknown
Mazie 2	6.2.6 0.097	Tree failure from overhang or dead tree without ice/snow
Airport Road 2	6.2.7 0.095	Tree failure from overhang or dead tree
Elliottville 1	6.2.8 0.090	Lightning
Warnock 4	6.2.9 0.086	Cause Unknown
Pelfrey 2	6.2.10 0.070	Motor Vehicle

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Additional pages may be attached as necessary

SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

The 2013 we cleared 47 miles of line, sprayed 61 miles, mowed 48 miles, re-cleared 82 miles, trimmed 7,858 trees and removed 7,376 individual trees.

SECTION 8: UTILITY COMMENTS