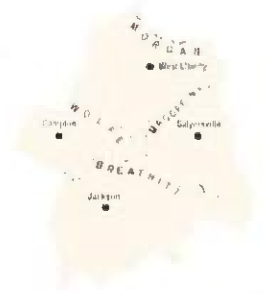


LICKING VALLEY
 RURAL ELECTRIC COOPERATIVE CORPORATION
 P. O. Box 605 • 271 Main Street
 West Liberty, KY 41472-0605
 (606) 743-3179



February 20, 2015

Director of Engineering
 Public Service Commission
 211 Sower Boulevard
 P.O. Box 615
 Frankfort, KY 40602

RECEIVED

FEB 24 2015

PUBLIC SERVICE
 COMMISSION

Dear Sir:

2011-2014

Enclosed you will find Licking Valley Rural Electric Cooperative Corporation's Electric Distribution Utility Annual Reliability Report for the year ending 2014.

If additional information is needed, please let us know.

Sincerely,

Tommy Conley
 Tommy Conley
 Superintendent of Operations

TC:oh



RECEIVED
FEB 27 2010
PUBLIC SERVICE
COMMISSION

Report prepared for:

LICKING VALLEY RURAL ELECTRIC COOPERATIVE CORPORATION

Prepared by:

Oneida Haney, Office Supervisor

ohaney@lvrecc.com

606-743-3179

2014 Annual Reliability Report

Ten Worst Performing Circuits and Major Outage Category Without T'Med for Saifi Index

Substation	Circuit	Saifi Value	Major Cause
Oakdale	Highland	7.6267	Consumer Caused
Index	Mize	4.9844	Equipment Failure
Zachariah	Pine Ridge	3.0835	PreArranged Maint.
Campton	Pine Ridge	2.8004	Consumer Caused
Helechawa	Hazel Green	2.5088	Consumer Caused
Maytown	Pomeroyton	2.2359	Right-of-Way & Unknown
Hot Mix	Liberty Road	2.2054	Right-of-Way
Helechawa	Lee City	1.8591	Right-of-Way
Campton	Vortex	1.6862	Right-of-Way
Hot Mix	Elkfork	1.4415	Right-of-Way

Ten Worst Performing Circuits and Major Outage Category Without T'Med for SAIDI Index

Substation	Circuit	SAIDI Value	Major Cause
Oakdale	Highland	1051.1060	Right-of-Way
Index	Mize	412.1109	Equipment Fail
Helechawa	Lee City	295.9586	Right-of-Way
Zachariah	Pine Ridge	261.3724	PreArranged Maint
Maytown	Pomeroyton	242.1235	Right-of-Way
Helechawa	Hazel Green	222.6618	Right-of-Way
Hot Mix	Liberty Road	197.3288	Right-of-Way
Campton	Elkins Road	178.0000	Unknown
Campton	Vortex	174.9289	Right-of-Way
Oakdale	Elkatawa	159.7356	Right-of-Way

Ten Worst Performing Circuits and Major Outage Category Without T'Med for CAIDI Index

Substation	Circuit	CAIDI Value	Major Cause
Maggard	Rockhouse	327.24	Right-of-Way
Maytown	Hazel Green	184.68	Line Down
Maggard	Flat Fork	179.98	Animals
Oakdale	Elkatawa	161.58	Equipment Fail
Helechawa	Lee City	159.19	Equipment Fail
Oakdale	Highland	137.82	Right-of-Way
Sublett	Gunlock	129.56	Equipment Fail
Campton	Elkins Road	129.12	Right-of-Way
Crockett	Crockett	124.82	Right-of-Way
Maytown	Ezel	124.57	Right-of-Way

Major Event Days

T MED Saidi Value 7051.6272

First Date Used to Determine T MED-----January 11, 2014

Last Date Used to Determine T MED-----December 25, 2014

Number of MED in Report Year-----40

System Reliability Information and Results

System-wide Information

Total Consumers 17,292 Total Circuits 36

Excluding MED

Licking Valley RECC has only a 3 year Average

	3 Year Average	Reporting Year
SAIDI	5677.5446	5248.2762
SAIFI	53.6158	48.4452

Including MED

	3 Year Average	Reporting Year
SAIDI	13778.7658	12299.9034
SAIFI	78.9401	72.2451

SAIFI Values for every circuit---- excluding MED's

	SAIFI 2012	SAIFI 2013	SAIFI 2014	3 Year Average
Helechawa Substation				
Hazel Green Circuit	2.3531	3.2814	2.5088	2.7144
Cannel City Circuit	1.4310	2.6988	.7062	1.6120
Lee City Circuit	3.9285	1.5654	1.8591	2.4510
Hot Mlx Substation				
Elkfork Circuit	3.8937	2.2973	1.4415	2.5442
Liberty Road Circuit	.1757	2.8494	2.2054	1.7435
519 Circuit	1.2721	.7391	.7000	.9037
Wrigley Circuit	2.6885	.7105	.2411	1.2134
Campton Substation				
Pine Ridge Circuit	1.6180	.4929	2.8004	1.6371
Stillwater Circuit	.5427	.8740	.9352	.7840
Vortex Circuit	.9880	5.8529	1.6862	2.8424
Elkins Circuit	.5475	.5366	1.3786	.8209
Maytown Substation				
Ezel Circuit	.5555	1.1263	.6817	.7878
Hazel Green Circuit	.7381	.3044	.7250	.5892
Pomeroyton Circuit	1.1541	.6180	2.2359	1.3360
Zachariah Substation				
Leeco Circuit	.6701	.9186	1.3181	.9689
Pine Ridge Circuit	2.5173	.4538	3.0835	2.0182
Oakdale Substation				
Athol Circuit	.2782	2.9824	.6000	1.2869
Highland Circuit	.6539	.2245	7.6267	2.8350
Elkatawa Circuit	.2000	2.6718	.9886	1.6275
War Creek Circuit	2.8906	.5990	1.2550	1.5815
Index Substation				
Caney Circuit	.7259	.6411	.7513	.7061
Index Circuit	1.1794	.1522	.2092	.5136
Mize Circuit	2.0530	2.1503	4.9844	3.0626
Prison Circuit	-0-	2.5000	-0-	.8333

SAIFI Values for every circuit---- excluding MED's

	SAIFI 2012	SAIFI 2013	SAIFI 2014	3 Year Average
Crockett Substation				
Lenox Circuit	.3114	.8022	.3943	.5026
Williams Creek Circuit	.6546	1.5514	1.4069	1.2043
Crockett School	3.5548	.5584	1.0932	1.7355
	.0435	.0435	.0476	.0449
Maggard Substation				
Rockhouse Circuit	.2056	.4392	.2137	.2862
Flat Fork Circuit	.9032	1.0109	.5097	.8079
Lick Creek Circuit	1.3462	2.2354	.7139	1.4318
Sublett Substation				
Carver Circuit	1.0022	.4014	.8004	.7346
Lakeville Circuit	1.8702	2.2320	.7332	1.6110
Gunlock Circuit	1.1279	1.8941	.9689	1.3303
Gun Creek Circuit	15.6993	1.0821	.6415	5.8076

SAIDI Values for every circuit—excluding MED's

	SAIDI 2012	SAIDI 2013	SAIDI 2014	3 Year Average
Helechawa Substation				
Hazel Green Circuit	161.1261	209.9984	222.6618	197.9288
Cannel City Circuit	209.7148	655.3190	82.2362	315.7567
Lee City Circuit	339.6134	169.3147	295.9586	268.2622
Hot Mix Substation				
Elk Fork Circuit	368.0402	159.0446	65.5471	197.5440
Liberty Road Circuit	10.1352	238.7671	197.3288	148.7437
519 Circuit	192.3217	53.2608	51.8047	99.1291
Wrigley Circuit	125.6658	51.8837	28.4171	68.6555
Campton Substation				
Pine Ridge Circuit	164.7603	62.6224	94.1814	107.1880
Stillwater Circuit	241.2174	88.4797	112.6524	147.4498
Vortex Circuit	60.5624	551.1349	174.9289	262.2087
Elkins Road Circuit	62.5182	98.9338	178.0000	113.1507
Maytown Substation				
Ezel Circuit	89.3542	113.1528	84.9183	95.8084
Hazel Green Circuit	50.2346	32.7014	133.8972	72.2777
Pomeroyton Circuit	128.9309	74.0625	242.1235	148.3723
Zachariah Substation				
Leeco Circuit	177.5446	79.2519	110.4974	122.4313
Pine Ridge Circuit	346.0199	50.0656	261.3724	219.1526
Oakdale Substation				
Athol Circuit	63.4782	275.5752	69.3912	136.1482
Highland Circuit	99.7991	39.0838	1051.1060	396.6630
Elkatawa Circuit	156.5783	473.4478	159.7356	263.2542
War Creek Circuit	607.1733	59.5848	130.8586	265.8722
Index Substation				
Caney Circuit	35.0763	48.9058	62.7513	48.9111
Index Circuit	105.5734	10.2208	20.8154	45.5365
Mize Circuit	203.9666	249.1704	412.1109	288.4160
Prison Circuit	-0-	375.0000	-0-	125.0000

Con't SAIDI Values

	SAIDI 2012	SAIDI 2013	SAIDI 2014	3 Year Average
Crockett Substation				
Lenox Circuit	165.7377	32.3295	32.2571	76.7748
Williams Creek Circuit	60.099	217.3212	86.2045	121.2082
Crockett Circuit	422.1698	54.2185	136.4512	204.2798
School Circuit	46.9565	7.8261	2.8571	19.2132
Maggard Substation				
Rockhouse Circuit	19.8257	37.9821	69.9310	42.5796
Flat Fork Circuit	123.4014	127.7220	91.7345	114.2860
Lick Creek Circuit	108.6779	213.6774	78.1350	133.4968
Sublett Substation				
Carver Circuit	74.6174	51.3213	60.1401	62.0263
Lakeville Circuit	150.7639	181.0622	87.5054	139.7772
Gunlock Circuit	177.2093	149.5475	125.5344	150.7637
Gun Creek Circuit	984.5399	95.6327	71.9811	384.0512

Circuits With SAIFI or SAIDI Value Higher Than 3 Year Average

Circuit Reporting

Circuit # 1

Substation # 7, Campton Substation, located on Rt 15 in Campton, Wolfe Co.

Circuit # 1, Pine Ridge; this circuit serves part of Campton, Quillen Chapel and Old 15.

This circuit has approximately 29.7 miles of line and serves approximately 837 consumers.

This circuit has just recently been cut out, so this should help with outages in 2015.

Causes and percentages for this circuit:

Cause	%SAIFI	%SAIDI
Prearranged Maintenance	28%	16%
Right-of-Way	8%	24%
Unknown	5%	9%
Equipment Failure	2%	9%
Consumer Caused	56%	41%
Animals	1%	1%

Circuit 3 Year Average SAIDI---107.1880 Reporting Year 2014 SAIDI---94.1814

Circuit 3 Year Average SAIFI---1.6371 Reporting Year 2014 SAIFI---2.8004

Due to circuit just finished being cut out, this should help with outage time in 2015.

Circuit Reporting

Circuit # 2

Substation # 7, Campton Substation, located on Rt 15 in Campton, Wolfe Co.

Circuit # 2, Stillwater Circuit; this circuit serves parts of Campton, Callaboose and Stillwater.

This circuit has approximately 106.6 miles of line and serves approximately 1050 consumers.

This circuit is currently being cut out.

Causes and percentages for this circuit:

Cause	%SAIFI	%SAIDI
Prearranged Maintenance	8%	3%
Right-of-Way	25%	31%
Unknown	9%	6%
Line Down	14%	13%
Equipment Failure	14%	15%
Consumer Caused	24%	27%
Animals	6%	5%

Circuit 3 Year Average SAIDI—147.4498

Reporting Year 2014 SAIDI—112.6524

Circuit 3 Year Average SAIFI— .7840

Reporting Year 2014 SAIFI—.9352

Due to this circuit currently being cut out, this should improve outage time in 2015.

Circuit Reporting

Circuit # 3

Substation # 7, Campton Substation, located on Rt 15 in Campton, Wolfe Co.

Circuit # 4, Elkins Road Circuit; this circuit serves part of Campton, Red Bud Mountain, Elkins Road, Mullins Point and Sandy Ridge.

This circuit has approximately 34.5 miles of line and serves approximately 140 consumers.

This circuit has just recently finished being cut out.

Causes and percentages for this circuit:

Cause	%SAIFI	%SAIDI
Right-of-Way	24%	34%
Unknown	54%	50%
Equipment Failure	1%	1%
Consumer Caused	16%	9%
Animals	5%	6%

Circuit 3 Year Average SAIDI--- 113.1507

Reporting Year 2014 SAIDI—178.0000

Circuit 3 Year Average SAIFI---.8209

Reporting Year 2014 SAIFI—1.3786

Due to this circuit just finished being cut out, this should improve outage time for 2015.

Circuit Reporting

Circuit # 4

Substation # 9, Maytown Substation, located on Rt 1010 in Morgan County.

Circuit # 2, Hazel Green Circuit; this circuit serves areas of Rt 1010, Murphy Fork, Swango Fork, Maytown, Valeria, and Big Branch.

This circuit has approximately 50 miles of line and serves approximately 331 consumers.

This circuit is currently being cut out.

Causes and percentages for this circuit:

Cause	%SAIFI	%SAIDI
Prearranged Maintenance	12%	3%
Right-of-Way	38%	49%
Unknown	18%	13%
Line Down	23%	32%
Equipment Failure	1%	1%
Consumer	5%	1%
Animals	3%	1%

Circuit 3 Year Average SAIDI---72.2777

Reporting Year 2014 SAIDI-- 133.8972

Circuit 3 Year Average SAIFI----.5892

Reporting Year 2014 SAIFI---.7250

Due to this circuit currently being cut out, this should cut down on outage time for 2015.

Circuit Reporting

Circuit # 5

Substation # 9, Maytown Substation, located on Rt. 1010 in Morgan County.

Circuit # 3, Pomeroyton Circuit: this circuit serves areas of Rt. 1010, Pine Branch, Landsaw, Long Branch, Pomeroyton, and Broke Leg.

This circuit has approximately 51.9 miles of line and serves approximately 445 consumers.

This circuit will be cut out this year.

Causes and percentages for this circuit:

Cause	%SAIFI	%SAIDI
P rearranged Maintenance	13%	6%
Right-of-Way	42%	57%
Unknown	42%	34%
Equipment Failure	1%	1%
Consumer Caused	1%	1%
Animals	1%	1%

Circuit 3 Year Average SAIDI—148.3723 Reporting Year 2014 SAIDI—242.1235

Circuit 3 Year Average SAIFI—1.3360 Reporting Year 2014 SAIFI - 2.2359

Due to this circuit being cut out this year, it should reduce outage time.

Circuit Reporting

Circuit # 6

Substation # 3, Helechawa Substation, located on Rt. 205 in Wolfe County.

Circuit # 1, Hazel Green Circuit; this circuit serves areas of Helechawa, Hazel Green, Red River and Lacy Creek.

This circuit has approximately 83.4 miles of line and serves approximately 680 consumers.

Last circuit trim was in 2011.

Causes and percentages for this circuit:

Causes	%SAIFI	%SAIDI
Prearranged Maintenance	8%	7%
Right-of-Way	38%	41%
Unknown	5%	5%
Line Down	1%	1%
Equipment Failure	6%	8%
Consumer Caused	39%	35%
Animals	3%	3%

Circuit 3 Year Average SAIDI—197.9288

Reporting Year 2014 SAIDI—222.6618

Circuit 3 Year Average SAIFI—2.7144

Reporting Year 2014 SAIFI—2.5088

Continue to educate consumers about electricity and watching for lines while cutting trees, and continue to work on hot spots on Right-of-Way.

Circuit Reporting

Circuit # 7

Substation # 3, Helechawa Substation, located on Rt. 205 in Wolfe County.

Circuit # 3, Lee City Circuit; this circuit serves areas of Helechawa, Lee City, Rt 205, Rt 1094, Vancleve and Taulbee Fork.

This circuit has approximately 118.5 miles of line and serves approximately 965 consumers.

Last circuit trim was cutting hot spots in 2010.

Causes and percentages for this circuit:

Causes	%SAIFI	%SAIDI
Prearranged Maintenance	12%	7%
Right-of-Way	49%	40%
Unknown	3%	1%
Line Down	1%	1%
Equipment Failure	14%	20%
Consumer Caused	20%	30%
Animals	1%	1%

Circuit 3 Year Average SAIDI---268.2622

Reporting Year 2014 SAIDI—295.9586

Circuit 3 Year Average SAIFI---2.4510

Reporting Year 2014 SAIFI—1.8591

Continue cutting hot spots until circuit can be cut out and educate the consumers about electrical safety.

Circuit Reporting

Circuit # 8

Substation # 4, Hot Mix Substation, located between Rt 7 and Rt 519 in Morgan County.

Circuit # 2, Liberty Road Circuit; this circuit serves areas of Rt 7 and Liberty Road.

This circuit has approximately 11.3 miles of line and serves approximately 73 consumers.

Last hot spot trim was in 2013.

Causes and percentages for this circuit:

Cause	%SAIFI	%SAIDI
Prearranged Maintenance	3%	1%
Right-of-Way	71%	82%
Unknown	23%	15%
Equipment Failure	1%	1%
Animals	2%	1%

Circuit 3 Year Average SAIDI---148.7437

Reporting Year 2014 SAIDI—197.3288

Circuit 3 Year Average SAIFI----1.7435

Reporting Year 2014 SAIFI—2.2054

Continue to cut hot spots until the complete circuit can be cut out.

Circuit Reporting

Circuit # 9

Substation # 8, Index Substation, located on Rt 191 at Index in Morgan County.

Circuit # 1, Caney Circuit; this circuit serves areas of Malone, Stacy Fork, Caney, and Vance Fork in Morgan County.

This circuit has approximately 36.1 miles of line and serves approximately 390 consumers.

Last hot spot trim was in 2010.

Causes and percentages for this circuit:

Cause	%SAIFI	%SAIDI
Prearranged Maintenance	84%	89%
Right-of-Way	11%	6%
Unknown	1%	1%
Equipment Failure	2%	3%
Animals	2%	1%

Circuit 3 Year Average SAIDI--- 48.9111

Reporting Year 2014 SAIDI—62.7513

Circuit 3 Year Average SAIFI----.7061

Reporting Year 2014 SAIFI--.7513

This prearranged maintenance was to upgrade the lines and poles. This should decrease outage time in the future.

Circuit Reporting

Circuit # 10

Substation # 8, Index Substation, located on 191 at Index in Morgan County.

Circuit # 3, Mize Circuit; this circuit serves areas of Greear, Buskirk, Mize and Woodsbend in Morgan County.

This circuit has approximately 73.1 miles of line and serves approximately 640 consumers.

Last hot spot trim was in 2011.

Causes and percentages for this circuit:

Cause	%SAIFI	%SAIDI
Prearranged Maintenance	35%	14%
Right-of-Way	5%	11%
Unknown	6%	7%
Equipment Failure	47%	60%
Consumer Caused	6%	7%
Animals	1%	1%

Circuit 3 Year Average SAIDI---288.4160

Reporting Year 2014 SAIDI—412.1109

Circuit 3 Year Average SAIFI---3.0626

Reporting Year 2014 SAIFI—4.9844

This prearranged maintenance was to upgrade lines and equipment. This being done should help on outage time in 2015.

Circuit Reporting

Circuit # 11

Substation # 5, Maggard Substation, located on Rt 1081, Coon Creek in Magoffin County.

Circuit # 1, Rockhouse Circuit; this circuit serves areas of Improvement Fork, Rockhouse and Logville of Magoffin County.

This circuit has approximately 32.2 miles of line and serves approximately 290 consumers

Last circuit trim was in 2013.

Causes and percentages for this circuit:

Cause	%SAIFI	%SAIDI
Prearranged Maintenance	35%	4%
Right-of-Way	2%	64%
Unknown	55%	24%
Equipment Failure	8%	8%

Circuit 3 Year Average SAIDI---42.5796

Reporting Year 2014 SAIDI---69.9310

Circuit 3 Year Average SAIFI---.2862

Reporting Year 2014 SAIFI--.2137

Continue to do line inspection and find problems before they become outages.

Circuit Reporting

Circuit # 12

Substation # 6, Sublett Substation, located on Rt 7 near Royalton in Magoffin County.

Circuit # 1, Carver Circuit; this circuit serves areas of Sublett, Stinson, Foraker, and Hendricks in Magoffin County.

This circuit has approximately 69.7 miles of line and serves approximately 892 consumers.

Last circuit trim was 2012

Causes and percentages for this circuit:

Causes	%SAIFI	%SAIDI
Prearranged Maintenance	72%	44%
Right-of-Way	12%	29%
Unknown	5%	7%
Line Down	3%	4%
Equipment Failure	3%	8%
Consumer Caused	2%	3%
Animals	3%	5%

Circuit 3 Year Average SAIDI----62.0263

Reporting Year 2014 SAIDI—60.1401

Circuit 3 Year Average SAIFI----.7346

Reporting Year 2014 SAIFI -.8004

Having prearranged maintenance gave us a chance to upgrade lines and equipment. This being done should help outage time in 2015.

Circuit Reporting

Circuit # 13

Substation # 10, Crockett Substation, located on Hwy 172 in Morgan County.

Circuit # 2, Williams Creek Circuit; this circuit serves areas of Williams Creek, Coffee Creek, Silverhill, and Sandlick areas of Morgan County.

This circuit has approximately 67 miles of line and serves approximately 494 consumers.

Last hot spot trim was in 2010.

Causes and percentages for this circuit:

Causes	%SAIFI	%SAIDI
Prearranged Maintenance	14%	40%
Right-of-Way	15%	31%
Unknown	2%	3%
Equipment Failure	7%	15%
Consumer Caused	62%	11%

Circuit 3 Year Average SAIDI---121.2082

Reporting Year 2014 SAIDI—86.2045

Circuit 3 Year Average SAIFI---1.2043

Reporting Year 2014 SAIFI—1.4069

Continue to educate the consumers on electrical safety, and to stay away from power lines while cutting trees.

Circuit Reporting

Circuit # 14

Substation # 2, Oakdale Substation is located on Rt 52 at Oakdale in Breathitt County.

Circuit # 2, Highland Circuit; this circuit serves areas of Rt 52, Jetts Creek, Guerrant, Chenowee, Old Buck, Turkey Creek, and Houston.

This circuit has approximately 54.2 miles of line and serves approximately 217 consumers.

Last hot spot cutting was in 2009.

Causes and percentages for this circuit:

Cause	%SAIFI	%SAIDI
Prearranged Maintenance	1%	1%
Right-of-Way	25%	45%
Unknown	7%	6%
Line Down	13%	22%
Equipment Failure	4%	4%
Consumer Caused	50%	22%

Circuit 3 Year Average SAIDI---396.6630

Reporting Year 2014 SAIDI---1051.1060

Circuit 3 Year Average SAIFI---2.8350

Reporting Year 2014 SAIFI---7.6267

Continue to cut hot spots until the circuit can be cut out and continue educating the consumers on electrical safety and cutting trees near the power line.