



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



**RECEIVED**

APR 17 2013

PUBLIC SERVICE  
COMMISSION

April 15, 2013

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

*Case No. 2006-00194*

Dear Sir:

Enclosed you will find Licking Valley Rural Electric Cooperative Corporation's Electric Distribution Utility Annual Reliability Report for the year ending 2012.

If additional information is needed, please let us know.

Sincerely,

*Tommy Conley*

Tommy Conley  
Superintendent of Operations



**Report prepared for:**

**Licking Valley Rural Electric Cooperative Corporation**

**Prepared by:**

**Tommy Conley, Superintendent of Operations**  
**tconley1@lvrecc.com**  
**606-743-3179**

## 2012 Annual Reliability Report

## Major Event Days

T MED (major event day) could not be calculated as Licking Valley RECC does not keep a daily log of SAIDI values.

LICKING VALLEY RURAL ELECTRIC COOPERATIVE CORPORATION

Annual Reliability Report 2012

The attached report shows the reliability indices which reflect all outages, including outages caused by major storms and substation outages. The report also shows the contributing causes of outages per circuit.

T MED is not available, Licking Valley RECC does not keep a log on daily SAIDI values.

Reliability Report												
		Substation	Storm	Planned	R-O-W	Unknown	Line Down	Equip Fail	Consumer	Sub Equip	Animals	Total
<b>Helechawa Substation</b>												
674	<b>Hazel Green Circuit</b>											
	SAIFI		.2240	.1053	.1736	.9525	.0119	1.0401	.0148		.0549	2.5771
	SAIDI		217.8412	6.6246	30.7567	98.4555	.9199	20.0742	1.0682		3.2270	378.97
	CAIDI		972.50	62.91	177.17	103.37	77.30	19.30	72.17		58.78	147.05
898	<b>Cannel City Circuit</b>											
	SAIFI		.0802	.2851	.9065	.0122	.1047	.0145	.0445		.0635	1.5112
	SAIDI		94.9276	8.7127	138.0623	1.0356	51.9316	1.1024	3.8085		5.2617	304.64
	CAIDI		1183.63	30.56	152.30	84.88	494.09	76.03	85.58		88.86	201.59
1007	<b>Lee City Circuit</b>											
	SAIFI		.9181	1.5958	1.4518	.2701	.3962	.1907	.0040		.0199	4.9066
	SAIDI		121.1321	68.1033	148.1132	26.5740	79.9801	14.7170	.5958		1.4300	460.65
	CAIDI		123.84	42.68	102.02	98.39	201.87	77.17	148.95		71.86	93.88
<b>Hot Mix Substation ...</b>												
398	<b>Wrigley Circuit</b>											
(5)	SAIFI		1.3568	1.3970	.0653	1.1533	.0352				.0377	4.0453
	SAIDI		258.0502	58.4548	9.3467	49.7236	3.9196				4.2211	383.72
	CAIDI		190.19	41.84	143.13	43.11	111.35				111.97	94.86
273	<b>Elk Fork Circuit</b>											
(1)	SAIFI		1.5531	1.6007	2.0659	.0842	.0696	.0330			.0403	5.4468
	SAIDI		469.2491	149.4359	191.7582	6.7582	5.2198	14.2857			2.5824	837.29
	CAIDI		302.14	92.11	92.82	80.26	75.00	432.90			64.08	153.72
805	<b>519 Circuit</b>											
(4)	SAIFI		.3404	.1280	.5230	.3590		.0323	.1602		.0696	1.6125
	SAIDI		192.9255	9.1168	85.8447	84.5217		2.4037	5.6646		4.7702	385.25
	CAIDI		566.76	71.22	164.14	235.44		74.42	35.36		68.54	238.91

74 Liberty Road Circuit  
 (2) Saifi  
 Saidi  
 CAIDI

.0811 .0811 .0135 .1757  
 4.8649 4.8649 .4054 10.14  
 59.99 59.99 30.03 57.71





Reliability Report												
		Substation	Storm	Planned	R-O-W	Unknown	Line Down	Equip Fail	Consumer	Sub Equip	Animals	Total
		<b>Campton Substation</b>										
856		<b>Pine Ridge Circuit</b>										
		SAIFI	.7465	.0128	.0234	.1262	.0070	.7278	.6963		.0245	2.3645
		SAIDI	78.4334	1.3259	27.8772	35.7885	-7009	75.3680	20.89		2.7920	263.19
		CAIDI	131.86	103.58	1192.19	283.59	100.13	103.55	30.00		113.96	111.31
1076		<b>Stillwater Circuit</b>										
		SAIFI	.1450	.1152	.1803	.2305		.0121			.0046	2.877
		SAIDI	136.7844	6.1524	21.5520	211.8959		1.4219			.1952	378.00
		CAIDI	943.34	53.41	119.53	919.29		117.51			42.43	549.66
585		<b>Vortex Circuit</b>										
		SAIFI	.2650		.6393	.0564	.0188	.0650	.0017		.2068	1.2530
		SAIDI	763.7436		31.1282	6.9213	2.2564	5.5385	.1026		14.6154	824.31
		CAIDI	2882.05		48.69	122.72	120.02	85.21	60.35		70.67	657.87
137		<b>Elkins Road Circuit</b>										
		SAIFI	1.3139	.1533	.0146	.2117	.0803				.0876	1.8614
		SAIDI	414.4991	11.7153	2.1898	23.7591	18.0657				6.7883	477.01
		CAIDI	315.46	76.42	142.99	112.23	224.98				77.49	256.26
147		<b>Maytown Substation</b>	1.6700									
720		<b>Ezel Circuit</b>	350.0335 229.60									
		SAIFI	.2083	.0625	.0097	.1236	.3153	.0194	.0097		.0153	.7638
		SAIDI	632.1458	6.1042	.8333	21.1575	22.5833	5.9167	31.4792		1.2500	721.50
		CAIDI	3034.78	97.67	85.91	171.42	71.62	304.98	3245.28		81.70	944.62
336		<b>Hazel Green Circuit</b>										
		SAIFI	.0119	.1935	.2738	.1667	.0208	.0417	.0178		.0238	.7500
		SAIDI	1.6071	6.9643	16.8001	15.2232	2.5000	5.8928	1.3393		1.5149	51.84
		CAIDI	135.05	35.99	61.36	91.32	120.19	141.31	75.24		63.65	67.12
435		<b>Pomeroyton Circuit</b>										
		SAIFI	.7218	.8621	.0966	.1770		.0069			.0115	1.8759
		SAIDI	1978.0344	76.6437	14.3103	16.4942		.5172			.9655	2106.97
		CAIDI	2740.42	112.10	148.14	93.19		74.76			83.96	1125.18

		Reliability Report										
		Substation	Storm	Planned	R-O-W	Unknown	Line Down	Equip Fail	Consumer	Sub Equip	Animals	Total
<b>Maggard Substation</b>												
287	<b>Rockhouse Circuit</b>											
	SAIFI		.3275		.0174	.0035		.0697	.1115		.0035	.5331
	SAIDI		36.3240		1.0453	.2091		8.9895	9.3031		.2787	56.15
	CAIDI		110.91		60.07	59.74		128.97	83.43		77.63	105.33
538	<b>Flat Fork Circuit</b>											
	SAIFI		.3030	.3903	.2063	.0985		.0074	.0167		.1840	1.2062
	SAIDI		665.9108	38.5502	29.3587	18.0390		1.1910	.7528		35.5297	789.31
	CAIDI		2194.72	98.77	142.31	183.14		158.24	45.08		193.10	654.38
624	<b>Lick Creek Circuit</b>											
	SAIFI		.3269	.5946	.1619	.0865	.3766	.0769	.0321		.0176	1.6731
	SAIDI		306.1779	23.8846	15.9856	7.6202	45.7452	11.8269	3.3654		1.2500	414.85
	CAIDI		936.61	38.49	98.74	88.09	121.47	153.79	104.84		71.02	247.95
<b>Sublett Substation</b>												
915	<b>Carver Circuit</b>											
	SAIFI		.1945	.4076	.0197	.0973	.0874	.0011	.0055		.3836	1.1967
	SAIDI		78.7268	21.2295	3.7049	9.8306	16.1639	.1803	.4098		23.0984	153.34
	CAIDI		404.76	52.08	188.06	101.03	184.94	163.91	74.51		60.21	128.13
470	<b>Lakeville Circuit</b>											
	SAIFI		.9745	.1234	.8957	.5894	.1234	.0085	.1085		.0213	2.8447
	SAIDI		247.4255	9.6383	32.5936	45.4362	20.0745	16.6596	24.3511		2.0106	398.19
	CAIDI		253.90	78.11	36.39	77.09	162.68	1959.95	224.43		94.39	139.98
860	<b>Gunlock Circuit</b>											
	SAIFI		.0872	.0977	.2151	.3523	.0314	.0233	.3814		.0267	1.2151
	SAIDI		89.6512	18.9360	39.5058	34.6047	4.9360	14.9593	61.7384		2.5291	266.86
	CAIDI		1028.11	193.82	183.66	98.23	157.20	642.03	161.87		94.72	219.62
163	<b>Gun Creek Circuit</b>											
	SAIFI			.4110	.1288	.2393	13.9877	.4908	.2086		.2331	15.6993
	SAIDI			24.6626	13.5276	9.4172	861.9632	55.2147	12.7607		6.9939	984.54
	CAIDI			60.01	105.03	39.35	66.62	112.50	61.17		30.00	62.71

		Reliability Report										
		Substation	Storm	Planned	R-O-W	Unknown	Line Down	Equip Fail	Consumer	Sub Equip	Animals	Total
<b>Zachariah Substation</b>												
385	<b>Leeco Circuit</b>											
	SAIFI	.4571	.0753	.0182	.0805	.0597	.0130	.4208			.0026	1.1272
	SAIDI	72.5454	1.9091	2.6883	11.1428	32.3377	5.1039	124.1299			.2338	250.09
	CAIDI	158.71	25.35	147.71	138.42	541.67	392.61	294.98			89.92	221.57
603	<b>Pine Ridge Circuit</b>											
	SAIFI	.1177	.0215	1.0149	1.3582	.0298	.0332	.0017			.0580	2.6350
	SAIDI	33.070	1.4511	132.6534	191.8905	4.0796	5.7463	4.7761			5.4229	379.63
	CAIDI	285.53	67.49	130.70	141.28	136.90	173.08	2809.47			93.50	144.07
<b>Oakdale Substation</b>												
115	<b>Athol Circuit</b>											
	SAIFI	.0087		.1043	.1043		.0609	.0087				.2869
	SAIDI	.5217		7.3913	45.3913		7.5217	1.1739				64.00
	CAIDI	59.97		90.04	435.20		123.51	13493				223.07
777	<b>Highland Circuit</b>											
	SAIFI	.1158	.2999	.1364	.1622	.0541					.0013	.9677
	SAIDI	9.6782	50.9395	17.8172	18.9768	11.9691					.0965	109.48
	CAIDI	83.58	169.85	130.62	117.00	221.24					74.23	142.24
396	<b>Elkatawa Circuit</b>											
	SAIFI	.7778	.0631	.1490	.7929	.2020	.0050				.0101	2.0000
	SAIDI	66.1111	16.9697	23.8384	87.6894	27.0076	.2651				.8081	222.69
	CAIDI	85.00	268.93	159.99	110.59	133.70	53.02				80.01	111.34
421	<b>War Creek Circuit</b>											
	SAIFI	.0095	.8076	.0332	.0546		1.9572				.0380	2.9001
	SAIDI	2.2803	8.4560	1.9952	4.6675		587.1734				4.8812	609.45
	CAIDI	240.03	10.47	60.10	85.48		300.01				128.45	210.15

According to the calculations of SAIFI, SAIDI, and CAIDI, the ten worst performing circuits are:

Maytown Substation	Pomeroyton Circuit
Crockett Substation	School Circuit
Maytown Substation	Ezel Circuit
Campton Substation	Vortex Circuit
Maggard Substation	Flat Fork Circuit
Campton Substation	Stillwater Circuit
Crockett Substation	Williams Creek Circuit
Index Substation	Mize Circuit
Campton Substation	Elkins Road Circuit
Maggard Substation	Lick Creek Circuit

## LICKING VALLEY RURAL ELECTRIC COOPERATIVE CORPORATION VEGETATION MANAGEMENT PLAN

Licking Valley Rural Electric Cooperative Corporation has an aggressive vegetation management program and has contracted W. A. Kendall and B M C Contracting to address our cooperatives right-of-way requirements. Our cooperative likes to maintain a forty-foot ground to sky right-of-way clearance on new and existing accounts, however some variety in right-of-way clearing is based on geography/terrain, easement widths, line voltages and property owner issues. LVRECC is currently on a 5 year rotation cycle. W. A. Kendall and B M C Contracting is contracting circuit by circuit clearing. One crew runs a bucket truck and a chipper and their main concern are consumer requests and hot spots. In addition to W.A. Kendall, the cooperative has a bush hog that is used for right-of-way clearing when not in use by construction or maintenance crews. The cooperative has a right-of-way foreman that oversees W.A. Kendall and B M C Contracting crews. B M C Contracting also provides a crew that concentrates on Herbicide Treatment, primarily for the months of May until August or September.