CUMBERLAND VALLEY ELECTRIC, INC.

P.O. BOX 440 GRAY, KENTUCKY 40734

March 29, 2008

Stephanie L. Stumbo Commission Executive Director P.O Box 615 Frankfort, KY 40602-0615 APR - 1 2008

PUBLIC SERVICE
COMMISSION

Director Stumbo,

Enclosed with this letter is the response of Cumberland Valley Electric, Inc. (CVE) regarding PSC Case 2006-00494 in Microsoft Excel 1997-2003 format.

Sincerely,
Mark Abner
Engineering Manager
Cumberland Valley Electric

System Average Indices

SAIFI	1.5605		
	Cause	Contribution	
	Tree on Line	42.	8%
	Equipment Failure	35.	6%
	Storm	12.	1%
	Power Supply	3.	4%
	Animals	3.	4%
	Accident	2.	8%
	Planned	0.	6%
	Vandalism	0.	6%
SAIDI	0.0399		
	Cause	Contribution	
	Tree on Line	47.	7%
	Equipment Failure	40.	0%
	Storm	5.	9%
	Animals	3.	9%
	Vandalisim	1.	5%
	Accident	1.	4%
	Power Supply	0.	2%
	Planned	0.	.2%
CAIDI	1.5618	,	
	Cause	Contribution	
	Equipment Failure	42.	.6%
	Tree on Line	41.	.9%
	Animals	6.	.9%
	Storm	5.	.0%
	Vandalism	2.	.1%
	Accident	0.	.9%
	Power Supply	0.	.3%
	Planned	0.	.2%
	Excluding	Storms	
SAIFI	1.3936	5	

0.03781.5506

SAIDI

CAIDI

By SAIFI Index

SAIFI	Substation	Largest Contributing Factor
4.0333	E50 Pine Mountain	Tree on Line
4.0229	S85 Carpenter	Tree on Line
3.2857	E72 Greasy Creek	Tree on Line
2.8344	E110 Chad	Tree on Line
2.7288	E64 Ovenfork	Equipment Failure
2.4128	S64 Goldbug	Storm
1.2414	E51 Bledsoe	Tree on Line
1.0625	S45 South Corbin	Equipment Failure
1.0092	S41 Jellico Creek	Tree on Line
0.9689	S26 Cumberland Falls	Power Supply

By SAIDI Index

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SAIDI	Substation	Largest Contributing Factor
0.7080	E64 Ovenfork	Tree on Line
0.1990	E72 Greasy Creek	Tree on Line
0.0727	E51 Bledsoe	Tree on Line
0.0723	S41 Jellico Creek	Equipment Failure
0.0613	E110 Chad	Tree on Line
0.0579	S85 Carpenter	Tree on Line
0.0550	E50 Pine Mountain	Tree on Line
0.0497	S64 Goldbug	Tree on Line
0.0478	S87 Bacon Creek	Equipment Failure
0.0422	S26 Cumberland Falls	Tree on Line

CAIDI	Substation	Largest Contributing Factor
2.0435	S41 Jellico Creek	Tree on Line
1.9020	S64 Goldbug	Storm
1.8986	E64 Ovenfork	Tree on Line
1.6524	E51 Bledsoe	Tree on Line
1.6250	E72 Greasy Creek	Equipment Failure
1.6220	S85 Carpenter	Accident
1.5556	E110 Chad	Tree on Line
1.5511	S22 Rockhold	Equipment Failure
1.4857	S53 Hinkle	Tree on Line
1.4573	S26 Cumberland Falls	Tree on Line

System Average Indices

SAIFI	1.5873		
	Cause	Contribution	
	Tree on Line	42.2	2%
	Equipment Failure	41.3	1%
	Power Supply	6.2	2%
	Accident	5.0	0%
	Animals		2%
	Storm		1%
	Planned		2%
	Vandalism	0.0)%
SAIDI	0.0435		
	Cause	Contribution	
	Tree on Line	46.5	8%
	Equipment Failure	41.	7%
	Accident	4.	6%
	Animals	3.8	8%
	Power Supply	1.	3%
	Storm	1.	1%
	Planned	0.	6%
	Vandalisim	0.	2%
CAIDI	1.4685		
	Cause	Contribution	
	Equipment Failure	49.	7%
	Tree on Line	41.	6%
	Animals	7.	5%
	Storm	1.	9%
	Vandalism	0.	2%
	Accident	4.	2%
	Power Supply	0.	3%
	Planned	0.	7%
Excluding Storms			
SAIFI	1.5541	L	

0.0430

1.6303

SAIDI

CAIDI

By SAIFI Index

SAIFI	Substation	Largest Contributing Factor
6.4391	E51 Bledsoe	Tree on Line
5.5900	E50 Pine Mountain	Tree on Line
4.9688	E72 Greasy Creek	Tree on Line
4.0000	E64 Ovenfork	Equipment Failure
1.9175	S64 Goldbug	Equipment Failure
1.7456	E110 Chad	Equipment Failure
1.6854	S48 North Corbin	Power Supply
1.4960	S85 Carpenter	Tree on Line
1.4172	S22 Rockhold	Equipment Failure
1.3061	S41 Jellico Creek	Tree on Line

By SAIDI Index

SAIDI	Substation	Largest Contributing Factor
0.5938	E72 Greasy Creek	Tree on Line
0.2420	E50 Pine Mountain	Tree on Line
0.1529	E51 Bledsoe	Tree on Line
0.0790	E64 Ovenfork	Tree on Line
0.0645	S85 Carpenter	Tree on Line
0.0598	E110 Chad	Tree on Line
0.0462	S41 Jellico Creek	Tree on Line
0.0337	S26 Cumberland Falls	Equipment Failure
0.0319	S64 Goldbug	Equipment Failure
0.0301	S87 Bacon Creek	Equipment Failure

CAIDI	Substation	Largest Contributing Factor
3.8000	E72 Greasy Creek	Tree on Line
3.4545	E50 Pine Mountain	Tree on Line
2.2500	S48 North Corbin	Power Supply
2.1808	E51 Bledsoe	Equipment Failure
1.9563	E64 Ovenfork	Equipment Failure
1.9524	E110 Chad	Tree on Line
1.5568	S53 Hinkle	Equipment Failure
1.4753	S85 Carpenter	Accident
1.3857	S26 Cumberland Falls	Storm
1.3696	S64 Goldbug	Animals

System Average Indices

System Average maices			
SAIFI		1.2186	
	Cause	Contribution	
	Tree on Line		36.7%
	Power Supply		25.5%
	Equipment Failur	e	19.6%
	Accident		9.6%
	Animals		5.8%
	Planned		1.3%
	Storm		0.7%
	Construction		0.6%
	Fire		0.2%
	Vandalism		0.1%
		0.025	
SAIDI	Cause	0.035 Contribution	
	Tree on Line	Contribution	39.8%
	Equipment Failur	^ _	39.5%
	Animals		5.6%
	Fire		4.1%
	Storm		3.9%
	Accident		3.0%
	Construction		1.4%
	Planned		1.1%
			0.8%
	Lightning		0.3%
	Power Supply		0.570
CAIDI		1.4724	
	Cause	Contribution	47.00/
	Equipment Failu	re	45.3%
	Tree on Line		31.4%
	Fire		7.1%
	Animals		7.1%
	Storm		2.9%
	Planned		1.8%
	Accident		1.5%
	Construction		1.1%
	Power Supply		0.9%
	Overload		0.4%
	Exc	cluding Storms	
SAIFI		1.2102	
SAIDI		0.0337	
CAIDI		1.4577	

By SAIFI Index

SAIFI	Substation	Largest Contributing Factor
5.4806	E51 Bledsoe	Tree on Line
4.1391	S85 Carpenter	Power Supply
1.9527	E110 Chad	Equipment Failure
1.5520	E64 Ovenfork	Tree on Line
1.0000	E73 Arkland	Equipment Failure
0.7960	E50 Pine Mountain	Tree on Line
0.4915	S45 South Corbin	Tree on Line
0.3119	S22 Rockhold	Tree on Line
0.2676	S41 Jellico Creek	Tree on Line
0.2519	S64 Goldbug	Tree on Line

By SAIDI Index

SAIDI	Substation	Largest Contributing Factor
1.5000	E73 Arkland	Equipment Failure
0.0642	S85 Carpenter	Tree on Line
0.0572	E51 Bledsoe	Tree on Line
0.0533	S S41 Jellico Creek	Tree on Line
0.0517	' E50 Pine Mountain	Equipment Failure
0.0428	3 S87 Bacon Creek	Equipment Failure
0.0415	E64 Ovenfork	Equipment Failure
0.0410) E110 Chad	Equipment Failure
0.0393	S S64 Goldbug	Tree on Line
0.0322	2 S22 Rockhold	Tree on Line

CAIDI	Substation	Largest Contributing Factor
2.1324	S41 Jellico Creek	Animals
2.0000	E50 Pine Mountain	Equipment Failure
1.7321	S22 Rockhold	Tree on Line
1.6268	S85 Carpenter	Lightning
1.5978	S53 Hinkle	Tree on Line
1.5392	S64 Goldbug	Storm
1.5216	E110 Chad	Tree on Line
1.5000	E73 Arkland	Equipment Failure
1.3966	S26 Cumberland Falls	Tree on Line
1.3239	S21 Emanuel	Accident

System Average Indices

System Average Indices			
SAIFI	1.3218		
	Cause	Contribution	
	Tree on Line		50.1%
	Equipment Failure		31.3%
	Planned		7.1%
	Storm		5.2%
	Animals		4.8%
	Construction		1.0%
	Fire		0.4%
	Power Supply		0.1%
	Overload		0.1%
	Accident		0.0%
SAIDI	0.0567	,	
	Cause	Contribution	
	Tree on Line		40.6%
	Equipment Failure		39.1%
	Animals		6.0%
	Storm		4.7%
	Fire		2.7%
	Overload		2.1%
	Planned		1.6%
	Accident		1.3%
	Construction		1.2%
	Lightning		0.6%
CAIDI	1.9144	1	
	Cause	Contribution	
	Equipment Failure		44.2%
	Tree on Line		30.6%
	Animals		10.6%
	Fire		5.4%
	Storm		4.3%
	Planned		2.3%
	Construction		1.2%
	Overload		0.4%
	Lightning		0.4%
	Accident		0.3%
	Excluding	Storms	
SAIFI	1.253		
SAIDI	0.054	1	
CAIDI	1.9020		

By SAIFI Index

SAIFI	Substation	Largest Contributing Factor
7.3114	E50 Pine Mountain	Equipment Failure
6.6832	E110 Chad	Tree on Line
3.7400	E51 Bledsoe	Equipment Failure
3.5109	E64 Ovenfork	Equipment Failure
2.2923	S64 Goldbug	Tree on Line
0.9276	S22 Rockhold	Tree on Line
0.5973	S87 Bacon Creek	Tree on Line
0.5630	S85 Carpenter	Tree on Line
0.5099	S45 South Corbin	Tree on Line
0.3791	S41 Jellico Creek	Equipment Failure

By SAIDI Index

SAIDI	Substation	Largest Contributing Factor
0.2378	E64 Ovenfork	Equipment Failure
0.1941	E110 Chad	Tree on Line
0.1464	E50 Pine Mountain	Tree on Line
0.0785	E51 Bledsoe	Tree on Line
0.0626	S45 South Corbin	Equipment Failure
0.0594	S26 Cumberland Falls	Equipment Failure
0.0564	S41 Jellico Creek	Equipment Failure
0.0459	S64 Goldbug	Equipment Failure
0.0354	S85 Carpenter	Tree on Line
0.0319	S87 Bacon Creek	Equipment Failure

CAIDI	Substation	Largest Contributing Factor
4.2813	E64 Ovenfork	Tree on Line
3.5533	E110 Chad	Tree on Line
2.0763	S41 Jellico Creek	Tree on Line
1.9079	E51 Bledsoe	Tree on Line
1.8670	S26 Cumberland Falls	Storm
1.7083	E50 Pine Mountain	Tree on Line
1.5515	S53 Hinkle	Accident
1.5410	S64 Goldbug	Lightning
1.3774	S22 Rockhold	Construction
1.3681	S85 Carpenter	Tree on Line

System Average Indices

System Average muices			
SAIFI	1.154		
	Cause	Contribution	
	Tree on Line		46.1%
	Equipment Failure		21.2%
	Power Supply		9.2%
	Accident		7.8%
	Animals		6.8%
	Planned		5.8%
	Storm		2.5%
	Fire		0.3%
	Construction		0.2%
	Vandalism		0.1%
SAIDI	0.038	5	
JAIDI	Cause	Contribution	
	Equipment Failure		39.7%
	Tree on Line		38.2%
	Animals		6.1%
	Fire		4.6%
	Planned		3.9%
	Storm		2.3%
	Vandalism		2.1%
	Accident		1.9%
	Construction		0.6%
	Lightning		0.3%
	Lighthing		0.570
CAIDI	1.429		
	Cause	Contribution	
	Equipment Failure		41.6%
	Tree on Line		30.7%
	Animals		7.3%
	Fire		7.1%
	Planned		4.6%
	Storm		2.7%
	Vandalism		2.7%
	Accident		1.7%
	Construction		0.9%
	Lightning		0.5%
	Excluding	Storms	
SAIFI	1.125		
SAIDI	0.037		
CAIDI	1.434		

By SAIFI Index

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SAIFI	Substation	Largest Contributing Factor
6.3237	E50 Pine Mountain	Tree on Line
2.8745	E51 Bledsoe	Tree on Line
2.0020	S26 Cumberland Falls	Power Supply
1.8714	E110 Chad	Tree on Line
1.1583	S85 Carpenter	Tree on Line
1.1091	S64 Goldbug	Equipment Failure
1.0539	E64 Ovenfork	Tree on Line
1.0501	S22 Rockhold	Tree on Line
0.8290	S21 Emanuel	Tree on Line
0.8287	S45 South Corbin	Accident

By SAIDI Index

SAIDI	Substation	Largest Contributing Factor
0.1272	E50 Pine Mountain	Tree on Line
0.1218	E51 Bledsoe	Equipment Failure
0.0678	S41 Jellico Creek	Equipment Failure
0.0612	S85 Carpenter	Equipment Failure
0.0544	E64 Ovenfork	Equipment Failure
0.0400	E110 Chad	Tree on Line
0.0382	S87 Bacon Creek	Planned
0.0369	S26 Cumberland Falls	Equipment Failure
0.0302	S64 Goldbug	Equipment Failure
0.0274	S45 South Corbin	Equipment Failure

CAIDI	Substation	Largest Contributing Factor
2.5568	E51 Bledsoe	Tree on Line
2.2000	E50 Pine Mountain	Tree on Line
2.1818	S41 Jellico Creek	Storm
2.0185	E64 Ovenfork	Tree on Line
2.0000	S87 Bacon Creek	Planned
1.4762	S64 Goldbug	Accident
1.3961	S85 Carpenter	Animals
1.2766	S53 Hinkle	Vandalism
1.2670	S26 Cumberland Falls	Equipment Failure
1.1111	S22 Rockhold	Accident