



P.O. Box 1389 ♦ 3111 Fairview Drive  
Owensboro, Kentucky 42302-1389  
(270) 926-4141 ♦ FAX (270) 685-2279  
(800) 844-4732

March 24, 2008

**RECEIVED**

**MAR 28 2008**

**PUBLIC SERVICE  
COMMISSION**

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

RE: Administrative Case No. 2006-00494

With this letter Kenergy is filing its annual reliability reports as described in the October 26, 2007 order.

If you have further questions, please feel free to call.

Sincerely,

A handwritten signature in black ink, appearing to read "Gerald R. Ford".

Gerald R. Ford, P.E.  
Vice President of Operations

Enclosures

## Kenergy Corp Annual Reliability Report - 2007

System Statistics:	All inclusive cause codes			
	Calendar Year	SAIFI	SAIDI (minutes)	CAIDI (minutes)
	2003*	2.313	204.420	87.985
	2004*	3.840	626.774	165.817
	2005*	2.094	157.738	75.341
	2006*	3.266	642.002	196.598
	2007*	2.266	181.005	79.887

\* Note: IEEE Standard 1366 Tmed (major event day) could not be used in the calculations for years 2002-2007 as data is not available for daily SAIDI values until the calendar year 2007. Daily SAIDI values for 2007 will be used to calculate major event days for 2008, per this standard.

## Kenergy Corp Annual Reliability Report - 2007

### Contributing Causes:

Cause Code	SAIFI
Power Supply	0.592
Right Of Way on ROW)	0.210
Unknown	0.182
Prearranged Maintenance	0.149
Storm	0.130
Equipment Failure (overhead)	0.126
Fuse Blown (Lightning)	0.095
Conductor Failure	0.080
ROW (wind)	0.078
OCR Tripped	0.063

Cause Code	SAIDI
Major Storm	45.830
ROW (on ROW)	19.222
Power Supply	13.244
Unknown	12.775
Equipment Failure (overhead)	9.325
ROW (wind)	9.318
Conductor Failure	8.098
Fuse Blown (lightning)	7.964
OCR Tripped	5.470
Prearranged Construction	4.639

Cause Code	CAIDI
Storm	352.614
Pole Broken (wind)	312.702
Conductor Failure	234.500
Prearranged Construction	208.917
Insulator Bad (suspension)	190.405
Transformer Failure (substation)	190.000
Conductor Failure (secondary)	186.791
Transformer Failure	172.823
Conductor Failure (primary U/G)	160.914
Crossarm Broken	160.363

# Kenergy Corp Annual Reliability Report - 2007

## Feeder Statistics:

<u>Feeder</u>	<u>SAIFI Index Value</u>	<u>Cause Code</u>
61-02	9.088	Power Supply
61-01	8.082	Power Supply
61-03	7.728	Power Supply
61-04	7.365	Power Supply
13-04	7.151	Prearranged Maintenance
22-03	6.293	Storm
13-01	5.155	Prearranged Maintenance
40-01	5.117	Right of Way
90-04	5.051	Line Fuse Blown (lightning)
11-01	4.993	Right of Way

<u>Feeder</u>	<u>SAIDI Index Value</u>	<u>Cause Code</u>
12-07	1,587.648	Storm
33-04	1,262.187	Storm
22-04	989.361	Storm
41-03	965.809	Storm
33-03	944.646	Storm
32-03	689.410	Storm
32-02	611.581	Storm
22-03	578.349	Storm
40-01	555.678	Pole Broken (public)
41-02	503.975	Unknown Cause

<u>Feeder</u>	<u>CAIDI Index Value</u>	<u>Cause Code</u>
12-07	470.897	Storm
33-04	439.276	Storm
41-03	345.204	Storm
33-03	332.661	Storm
85-02	326.438	Broken Jumper
32-03	319.134	Storm
20-03	261.000	Prearranged construction
71-03	223.964	Prearranged construction
62-03	209.811	Right of Way
22-04	204.196	Storm