INTER COUNTY
ENERGY COOPERATIVE

A Touchstone Energy Cooperative

March 10, 2011

Mr. Reggie Chaney
Director of Engineering
Kentucky Public Service Commission
P. O. Box 615
Frankfort, KY 40602-0615

RECEIVED

MAR 15 2011

PUBLIC SERVICE
COMMISSION

Re: ADMINISTRATIVE CASE NO. 2006-00494 – AN INVESTIGATION OF THE RELIABILITY MEASURES OF KENTUCKY'S JURISDICTIONAL ELECTRIC DISTRIBUTION UTILITIES AND CERTAIN RELIABILITY MAINTENANCE PRACTICES
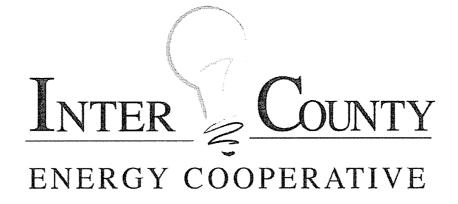
Dear Mr. Chaney:

Enclosed is Inter-County Energy Cooperative's Annual Report of Reliability pursuant to the Public Service Commission's Order dated October 26, 2007 for Case No. 2006-00494.

If you have any further questions or comments, please direct those to Marvin Graham, Vice-President of Operations. His direct line is 859-936-7815 or email to marvin@intercountyenergy.net.

Sincerely,

James L. Jacobus
President/CEO

INTER COUNTY

ENERGY COOPERATIVE

A Touchstone Energy Cooperative

Administrative
Case No. 2006-00494

INTER-COUNTY ENERGY
COOPERATIVE CORPORATION
P.O. Box 87 • Danville, KY 40423-0087
Phone: (859) 236-4561 • Fax: (859) 236-3627

INTER-COUNTY ENERGY COOPERATIVE

Administrative Case No. 2006-00494

<u>CONTENT</u>

Electric Distribution Utility Annual Reliability Report

- Contact Information
- Report Year
- Major Event Days
- System Reliability Results
- Outage Cause Categories
- Worst Performing Circuits
- Vegetation Management Plan Review
- Utility Comments

Electric Distribution Utility Annual Reliability Report

SECTION 1: CONTACT INFORMATION

UTILITY NAME	1.1	Inter-County Energy
REPORT PREPARED BY	1.2	Marvin Graham
E-MAIL ADDRESS OF PREPARER	1.3	Marvin@intercountyenergy.net
PHONE NUMBER OF PREPARER	1.4	859-236-4561 ext. 7815

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	2010

SECTION 3: MAJOR EVENT DAYS

T_{MED}	3.1	18.34412443
FIRST DATE USED TO DETERMINE T_{MED}	3.2	Jan. 1, 2005
LAST DATE USED TO DETERMINE T_{MED}	3.3	Dec. 31, 2009
NUMBER OF MED IN REPORT YEAR	3.4	0

NOTE: Per IEEE 1366 T_{MED} should be calculated using the daily SAIDI values for the five prior years.

SECTION 4: SYSTEM RELIABILITY RESULTS
Excluding MED

SAIDI	4.1	92.03318881
SAIFI	4.2	1.067720523
CAIDI	4.3	86.19595372

Including MED (Optional)

SAIDI	4.4	
SAIFI	4.5	
CAIDI	4.6	

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 T_{MED}

Electric Distribution Utility Annual Reliability Report

SECTION 5: OUTAGE CAUSE CATEGORIES
Excluding MED

CAUSE CODE DESCRIPTION		SAIDI VALUE	CAUSE CODE DESCRIPTION		SAIFI VALUE
lightning	5.1.1	19.79	lightning	5.2.1	0.2520
equipment failure	5.1.2	17.44	rain, ice, snow, or free:	5.2.2	0.1289
rain, ice, snow, or free:	5.1.3	10.73	equipment failure	5.2.3	0.1168
trees cut into distrubtio	5.1.4	8.05	trees cut into distributi	5.2.4	0.0947
cars and trucks	5.1.5	7.24	cars and trucks	5.2.5	0.0562
high wind	5.1.6	5.58	high wind	5.2.6	0.0434
animals	5.1.7	2.80	deteriated installation	5.2.7	0.0346
trees	5.1.8	1.83	animals	5.2.8	0.0301
deteriated installation	5.1.9	1.40	caused by others	5.2.9	0.0222
caused by others	5.1.10	0.93	trees	5.2.10	0.0196

SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER		SAIDI VALUE	MAJOR OUTAGE CATEGORY
Ottenhiem - Highland	6.1.1	514.74	Lightning
Howardstown - Sulpher Creek	6.1.2	511.68	High Wind
Hustonville - Peyton Store	6.1.3	320.34	Equipment failure
Crab Orchard - Gooch	6.1.4	189.30	Trees Cut Into Distribution
Spencer Hamilton - Loretto	6.1.5	163.50	Equipment failure
Waynesburg - Highland	6.1.6	163.32	Lightning
Dixville - H.T. Adams	6.1.7	161.64	Rain, Ice and Snow, and Freezing
Raywick - Sulpher Creek	6.1.8	153.00	Rain, Ice and Snow, and Freezing
WDKY - Toddville	6.1.9	143.58	Lightning
Ky Hwy 208 - Marion Industrial	6.1.10	136.68	Cars and Trucks

CIRCUIT IDENTIFIER		SAIFI VALUE	MAJOR OUTAGE CATEGORY
Ottenhiem - Highland	6.2.1	6.052	Lightning
Bourne - Toddville	6.2.2	3.313	Cars and Trucks
Howardstown - Sulpher Creek	6.2.3	2.834	High Wind
Crab Orchard - Gooch	6.2.4	2.589	Trees Cut Into Distrubution
Harrodsburg - H.T. Adams	6.2.5	2.041	Deteriorated Installation
Waynesburg - Gooch	6.2.6	1.907	Lightning
Raywick - Sulpher Creek	6.2.7	1.715	Rain, Ice and Snow, and Freezing
WDKY - Toodville	6.2.8	1.715	Lightning
Spencer Hamilton - Loretto	6.2.9	1.448	Equipment failure
Hustonville - Peyton Store	6.2.10	1.357	Equipment failure

SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

Inter-County Energy completed the third year of its 5 year vegetation management plan. Inter-County Energy is on schedule to complete its 5 year vegetation management plan within the 5 year plan period.

SECTION 8: UTILITY COMMENTS