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February 2, 2007

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PUBLIC SERVICE
COMMISSION

HAND DELIVERED

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Ms. Beth O'Donnell
Executive Director
Public Service Commission of Kentucky
211 Sower Boulevard
P.O. Box 615
Frankfort, Kentucky 40602-0615

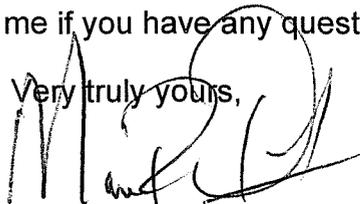
RE: P.S.C. Case No. 2006-00494

Dear Ms. O'Donnell:

Please find enclosed and accept for filing the original and seven copies of Kentucky Power Company's Supplemental Responses to the Staff Data Request Nos. 1 and 15 in this proceeding. A copy is being served by First Class Mail today on those persons identified on the attached list.

Please do not hesitate to contact me if you have any questions.

Very truly yours,



Mark R. Overstreet

cc: Persons on Attached List

KE057:00KE4:15144:2:FRANKFORT

CERTIFICATE OF SERVICE

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COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

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PUBLIC SERVICE
COMMISSION

In the Matter of:

An Investigation of the Reliability)
Measures of Kentucky's Jurisdictional) P.S.C. Case No. 2006-0494
Electric Distribution Utilities and)
Reliability Maintenance Practices)

**Supplemental Responses of Kentucky Power Company
To Data Request Nos. 1 and 15 of the Commission's
First Set of Data Requests**

Kentucky Power Company hereby supplements its Responses to Data Request numbers 1 and 15 of the Commission's first set of data requests. The updated requests are attached to this filing.

Respectfully submitted,



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COUNSEL FOR KENTUCKY POWER
COMPANY

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PUBLIC SERVICE
COMMISSION

Kentucky Power Company

REQUEST

Does utility management measure, monitor, or track distribution reliability?

- a. If so, describe the measures used and how they are calculated.
- b. If reliability is monitored, provide the results for the past 5 years for system wide reliability.

RESPONSE

Yes, the Company measures, monitors and tracks distribution reliability, as described below:

- a. SAIFI is the System Average Interruption Frequency Index, which represents the number of interruptions an average Kentucky Power customer experiences during the period evaluated (usually one year). It is calculated by dividing the "total customers interrupted" by "total customers served".

CAIDI is the Customer Average Interruption Duration Index, which represents the average length of time (in hours) an interrupted customer is without power during the period. It is calculated by dividing the "total customer-hours of interruption" by "total customers interrupted".

SAIDI is the System Average Interruption Duration Index, which represents the total length of time (in hours) an average customer is without power in the period. It is calculated by dividing the "total customer-hours of interruption" by "total customers served".

Year	Includes all Sustained Interruptions*			Excludes Data on Major Event Days (MED)**		
	SAIFI	CAIDI	SAIDI	SAIFI	CAIDI	SAIDI
2002	2.690	4.10	11.03	2.088	3.13	6.54
2003	2.880	7.10	20.45	1.946	2.88	5.60
2004	3.270	6.52	21.32	2.419	3.28	7.94
2005	2.580	2.66	6.86	2.576	2.66	6.84
2006	2.899	3.405	9.87	2.756	3.667	8.368

* Sustained interruption is an outage that exceeds five minutes in length.

** Kentucky Power is utilizing the major event day methodology that is outlined in IEEE Std. 1366TM - 2003, IEEE Guide for Electric Power Distribution Reliability Indices as its "major outage" definition for this response.

WITNESS: Everett G Phillips

Kentucky Power Company

REQUEST

How much has the utility spent on distribution easement clearing for each of the last 5 years?
Include the cost per mile expended.

RESPONSE

Please see the table below.

Kentucky Power Company					
Distribution Right-of-Way Maintenance					
Year	O&M*	Capital *	Col 2 + Col 3	Miles Completed	O&M Cost Per Mile
(1)	(2)	(3)	(4)	(5)	(6)
2002	\$3,181,191	\$11,738	\$3,192,930	1,550.0	\$2,052
2003	\$4,444,878	\$4,932	\$4,449,810	1,558.3	\$2,852
2004	\$6,157,815	\$1,108,973	\$7,266,788	2,007.0	\$3,068
2005	\$6,872,934	\$1,876,427	\$8,749,361	1,711.2	\$4,016
2006	\$7,373,180	\$2,560,917	\$9,934,097	1,896.8	\$3,887

* The above O&M and Capital values include company labor, fringes, outside services, materials, transportation.

WITNESS: Errol K Wagner and Everett Phillips