

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

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In the Matter of:

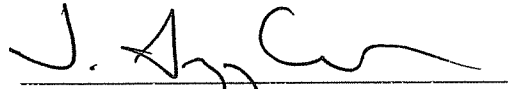
APPLICATION OF )  
KENTUCKY UTILITIES COMPANY FOR )  
A CERTIFICATE OF PUBLIC CONVENIENCE ) CASE NO.  
AND NECESSITY FOR THE CONSTRUCTION ) 2005-00154  
OF TRANSMISSION FACILITIES IN )  
FRANKLIN, WOODFORD AND )  
ANDERSON COUNTIES, KENTUCKY )

**KENTUCKY UTILITIES COMPANY'S  
SUPPLEMENTAL DATA RESPONSE**

Applicant, Kentucky Utilities Company ("KU"), respectfully submits a supplemental response to Data Request No. 8 from the Concerned Citizens Against Power Line Extension in this proceeding. The supplemental response is attached hereto.

Dated: July 21, 2005

Respectfully submitted,



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**CERTIFICATE OF SERVICE**

This is to certify that the foregoing Response has been served by mailing a copy of same, postage prepaid to the following persons on this 21<sup>st</sup> day of July 2005:

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\_\_\_\_\_  
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**KENTUCKY UTILITIES COMPANY**

**CASE NO. 2005-00154**

**Supplemental Response to Concerned Citizens' Data Requests  
and Requests for Production of Documents**

**Dated: June 30, 2005**

**Revised: July 21, 2005**

**Question No. 8**

**Responding Witness: J. Nate Mullins / Michael G. Toll**

Q-8. Identify, explain in detail and provide all facts and documents that record, describe, support, refer, or relate to KU's best estimate of the annual cost it would incur to operate this line and describe any operating problems it would incur if this proposed transmission line is not operational.

A-8. Please refer to paragraph 11 of the Application herein. Annual cost to operate this line was estimated using historical data to operate similar facilities in the system. After the first six years of operation, it is estimated that the operations and maintenance cost for the line will be approximately \$3,600 to \$3,800 per mile. Thus, the total cost is estimated to be \$45,000 to \$47,000 per year.

As outlined in the studies and reports of the Companies, MISO and Liberty Consulting, which are a part of this record in this proceeding, the proposed transmission line is needed to integrate TC2 into the Companies' system and allow for the delivery of power from TC2. The transmission facilities to integrate TC2 are required to provide adequate transmission facilities, once TC2 is put into service, considering thermal, voltage, and stability limits with circuit and generator interruptions. The line is proposed to alleviate an overload of the West Frankfort to East Frankfort 138 kV line and the East Frankfort to Tyrone 138 kV line during an outage of the Ghent-West Lexington-Brown 345 kV line.