

Ameren Transmission Company of Illinois's
Response to MPSC Data Request

In the Matter of the Application of Ameren Transmission Company of Illinois for Other Relief or, in the Alternative, a Certificate of Public Convenience and Necessity Authorizing it to Construct, Install, Own, Operate, Maintain and Otherwise Control and Manage a 345,000-volt Electric Transmission Line from Palmyra, Missouri, to the Iowa Border and an Associated Substation Near Kirksville, Missouri.
Data Request

Data Request No.: MPSC 0057 - Shawn Lange

Please identify and explain all issues/problems that would result from running the Mark Twain Line parallel to and/or in the same right of way as existing 161 kV line(s) in Northeastern Missouri. What additional equipment/shielding would be required if the Mark Twain Line ran parallel to existing 161kV transmission line(s)? DR requested by Shawn Lange (shawn.lange@psc.mo.gov)

RESPONSE

Prepared By: Jeffrey V. Hackman
Title: Senior Director – Transmission
Date: December 4, 2015

An extensive discussion of the issues with paralleling are included in my surrebuttal testimony. In addition, the right-of-way width for the existing line is not wide enough to accommodate the construction of the new line without alteration, adjustment, or removal/replacement. As such, a significant extended outage could be required which would have to be studied to assure reliability could be maintained. A detailed engineering analysis would be required to identify additional equipment or shielding that would be required if the lines are parallel.

NU Exhibit No. 76
Date 1-26-16 Reporter YK
File No. EA-2015-0146