

Docket No. 12-0598 (Rehearing)
Response to ATXI's
Third Set of Data Requests to ICC Staff
November 25, 2013

ICC Person Responsible: Greg Rockrohr
Title: Senior Electrical Engineer, Safety & Reliability Division
Business Address: Illinois Commerce Commission
527 East Capitol Avenue
Springfield, IL 62701
Telephone: 217/524-0695

REQUEST ATXI-ICC 3.15:

At lines 135-36 of ICC Staff Exhibit 2.0 (Rehearing), Mr. Rockrohr states that he viewed the route he selected "as best [he] could" from an automobile. Does Mr. Rockrohr agree that it is not possible to thoroughly view a potential route from an automobile if the route does not follow a road? If the response is anything other than an unqualified "yes," please explain the basis for the response and provide any Documents reviewed or relied upon to formulate the response.

RESPONSE:

Yes.

Docket No. 12-0598 (Rehearing)
Response to ATXI's
Fourth Set of Data Requests to ICC Staff
December 11, 2013

ICC Person Responsible: Greg Rockrohr
Title: Senior Electrical Engineer, Safety & Reliability Division
Business Address: Illinois Commerce Commission
527 East Capitol Avenue
Springfield, IL 62701
Telephone: 217/524-0695

REQUEST ATXI-ICC 4.02:

Referring to ICC Staff Ex. 3.0 (RH), lines 110-113, has Mr. Rockrohr contacted any representative of MISO or PJM to determine if they would “embrace the study” of a Kincaid connection? If yes, identify the person contacted and the date of the contact, summarize the nature and content of the contact, and provide all Documents referring or relating to the contact.

RESPONSE:

No.

Docket No. 12-0598 (Rehearing)
Response to ATXI's
Fourth Set of Data Requests to ICC Staff
December 11, 2013

ICC Person Responsible: Greg Rockrohr
Title: Senior Electrical Engineer, Safety & Reliability Division
Business Address: Illinois Commerce Commission
527 East Capitol Avenue
Springfield, IL 62701
Telephone: 217/524-0695

REQUEST ATXI-ICC 4.04:

Referring to ICC Staff Ex. 3.0 (RH), lines 110-113, has Mr. Rockrohr contacted any representative of MISO or PJM to determine if "Modifications at Kincaid could lead to the elimination of these Special Protection Systems"? If yes, identify the person contacted and the date of the contact, summarize the nature of the contact, and provide all Documents referring or relating to the contact.

RESPONSE:

No

Docket No. 12-0598 (Rehearing)
Response to ATXI's
Fifth Set of Data Requests to ICC Staff
December 16, 2013

ICC Person Responsible: Greg Rockrohr
Title: Senior Electrical Engineer, Safety & Reliability Division
Business Address: Illinois Commerce Commission
527 East Capitol Avenue
Springfield, IL 62701
Telephone: 217/524-0695

REQUEST ATXI-ICC 5.03:

Does Mr. Rockrohr agree that, assuming that a Kincaid connection to Mt. Zion could not be in service prior to 2018, there would be at most one 345 kV connection to a new Mt. Zion substation from 2016-2018? If yes, does he further agree that such connection would either be from Pana or from Kansas? Explain your response.

RESPONSE:

Yes, Mr. Rockrohr believes there likely would be one 345 kV connection to Mt. Zion until the Kincaid connection is completed.

Yes, Mr. Rockrohr believes, given the premise in this data request, the one 345 kV connection to Mt. Zion would likely be from either Pana or Kansas.

Mr. Rockrohr's response is based upon his understanding that, if the Commission orders ATXI to use a Kincaid to Mt. Zion connection and a Kincaid connection to Mt. Zion could not be in service prior to 2018, then ATXI would likely construct only one 345 kV connection to Mt. Zion prior to the time the Kincaid connection is placed in service, and that one 345 kV connection would likely be from either Pana or Kansas.

Docket No. 12-0598 (Rehearing)
Response to ATXI's
Sixth Set of Data Requests to ICC Staff
December 16, 2013

ICC Person Responsible: Greg Rockrohr
Title: Senior Electrical Engineer, Safety & Reliability Division
Business Address: Illinois Commerce Commission
527 East Capitol Avenue
Springfield, IL 62701
Telephone: 217/524-0695

REQUEST ATXI-ICC 6.02:

Does Mr. Rockrohr agree that, all other things being equal, that shorter lines results in less voltage drop than longer lines when transmitting power? If the answer is no, then please explain.

RESPONSE:

Staff objects to this data request as it is a vague and incomplete hypothetical. Without waiving said objection, assuming "all other things being equal" includes the operating voltage, load, and conductor size and type, Mr. Rockrohr agrees.

Docket No. 12-0598 (Rehearing)
Response to ATXI's
Sixth Set of Data Requests to ICC Staff
December 16, 2013

ICC Person Responsible: Greg Rockrohr
Title: Senior Electrical Engineer, Safety & Reliability Division
Business Address: Illinois Commerce Commission
527 East Capitol Avenue
Springfield, IL 62701
Telephone: 217/524-0695

REQUEST ATXI-ICC 6.03:

Does Mr. Rockrohr agree that transmitting a set amount power using a 345 kV line will result in less voltage drop than transmitting the same amount of power over a 138 kV line having the same length as the 345 kV line? If the answer is no, then please explain.

RESPONSE:

Staff objects to this data request as it constitutes a vague and incomplete hypothetical. Without waiving said objection and assuming the same conductor size and type for both the 345 kV and 138 kV lines, Mr. Rockrohr agrees.

Docket No. 12-0598 – (Rehearing)
Response to Channon Trust's
First Set of Data Requests to ICC Staff
Response Date: November 7, 2013

ICC Person Responsible: Greg Rockrohr
Title: Senior Electrical Engineer, Safety & Reliability Division
Business Address: Illinois Commerce Commission
527 East Capitol Avenue
Springfield, IL 62701
Telephone: 217/524-0695

REQUEST Channon-ICC 1.03:

Please identify the reasons and criteria used to select the Option 1 and Option 2 proposed substation sites on Staff's alternative route from Pawnee to Mt. Zion through the Kincaid substation.

RESPONSE:

Mr. Rockrohr identified the Option 1 and Option 2 substation sites because this area was previously identified by the Village of Mt. Zion as a potential substation site, and because of his own belief that these sites are close enough to the Decatur area to provide adequate voltage supply, even under contingency conditions. In addition, use of either site would provide the ability to use the Mt. Zion to Kansas segment route alternatives that have already been submitted in this docket.

Docket No. 12-0598 – (Rehearing)
Response to Channon Trust's
First Set of Data Requests to ICC Staff
Response Date: November 7, 2013

ICC Person Responsible: Greg Rockrohr
Title: Senior Electrical Engineer, Safety & Reliability Division
Business Address: Illinois Commerce Commission
527 East Capitol Avenue
Springfield, IL 62701
Telephone: 217/524-0695

REQUEST Channon-ICC 1.05:

Please explain how Staff weighted farmland versus residences as factors in developing its alternative route from Pawnee to Mt. Zion through the Kincaid substation.

RESPONSE:

Staff generally favors routes that pass close to fewer residences, even if that means impacts to farmland. Mr. Rockrohr does not believe it possible to fully avoid impacts on farmland and residences when developing lengthy transmission line routes, but generally attempted to consider impacts on farmland and residences as well as construction and maintenance costs.