

Exhibit No.:	_____
Issue:	Transmission
Witness:	John E. Grotzinger
Sponsoring Party:	Missouri Joint Municipal Electric Utility Commission
Case No.:	Case No. EA-2005-0180

MISSOURI JOINT MUNICIPAL ELECTRIC UTILITY COMMISSION

Case No. EA-2005-0180

SURREBUTTAL TESTIMONY

OF

JOHN E. GROTZINGER

Columbia, Missouri
February, 2005

BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

Application of Union Electric Company)
for a Certificate of Public Convenience and)
Necessity authorizing it to construct, install,)
own, operate, control, manage and maintain)
electric plant, as defined in § 386.020(14), RSMo.)
to provide electric service in a portion of New)
Madrid County, Missouri, as an extension of)
its existing certificated area)

Case No. EA-2005-0180

AFFIDAVIT OF JOHN E. GROTZINGER

STATE OF MISSOURI)
) ss.
COUNTY OF BOONE)

I, John E. Grotzinger, of lawful age, and being duly sworn, do hereby depose and state:

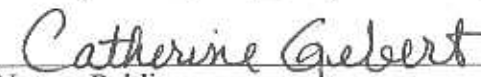
1. My name is John E. Grotzinger. I am presently Executive Director for Engineering & Operations of the Missouri Joint Municipal Electric Utility Commission, intervener in the referenced matter.

2. Attached hereto and made a part hereof for all purposes is my surrebuttal testimony.

3. I hereby swear and affirm that my answers contained in the attached testimony to the questions therein propounded are true and correct to the best of my personal knowledge, information and belief.


John E. Grotzinger

Subscribed and sworn to before me, a Notary Public, this 14th day of February, 2005.


Notary Public



CATHERINE GEBERT
Boone County
My Commission Expires
January 29, 2008

**Surrebuttal Testimony
Of
John E. Grotzinger
Case No. EA-2005-0180**

Q. Please State your name, employer, and business address.

A. My name is John E Grotzinger. I work in Columbia, Missouri and I am employed by the Missouri Joint Municipal Electric Utility Commission (MJMEUC) as Executive Director for Engineering & Operations.

My business address is 2407 W Ash, Columbia, MO.

Q. Are you the same John E. Grotzinger who filed rebuttal testimony in this case?

A. Yes I am.

Q. What is the purpose of your surrebuttal testimony?

A. The purpose of my testimony is to address several items in Dr. Proctor's testimony. They included addressing the changes to transmission congestion.

1 **Q. Does MJMEUC oppose the Ameren/Noranda transaction?**

2 A. No, I want to repeat this point. MJMEUC does not oppose this transaction; AmerenUE can
3 alleviate the transaction's detrimental effects on transmissions and should simply make
4 commitments to do so or be required to do so by the MoPSC.
5

6 **Q. Do you have comments regarding the response offered in Dr Proctor's rebuttal**
7 **testimony in answer to the question? "Will the transmission system experience any changes**
8 **in congestion from AmerenUE serving the Noranda load versus Noranda being served**
9 **from another supplier?"**

10 A. Yes, there *will* be changes in flow patterns and transmission congestion. However,
11 in Dr. Proctor's rebuttal page 25 beginning line 16 he only addresses the load side. The physics
12 are such that Noranda's load will be supplied locally from the New Madrid generators whatever
13 the contract sources and could theoretically be supplied from the New Madrid units even if
14 islanded from the rest of grid with no connection to Ameren at all. Ameren or whoever serves as
15 being the contracted source does not change the local flows to Noranda. However, this does not
16 recognize how the contracted power supply sources change the broader regional flows and the
17 transmission modeling that will determine availability of transmission to other utilities and
18 customers. In Mr. Pfeiffer's testimony Attachment 2 page 3 he documents changes to flows on
19 transmission branches by over 50 MW. This is based upon changing the modeled generation
20 sources to reflect how the contracted generation sources will change. MISO modeling is
21 expected to model generators that are contracted or otherwise obligated to provide for Noranda.
22 In Dr. Proctor's testimony page 27 line 21 he acknowledges that east to west flows will be
23 increased as part of the Noranda modeled transaction. My concern is that not only does it change
24 the transmission congestion, which all generation shifts change, but by increasing the east to
25

Surrebuttal Testimony

John E. Grotzinger

1 west flow it negatively impacts utilities (including municipalities') ability to obtain firm
2 transmission service in that direction.

3
4 **Q Will other Missouri utilities find it more difficult to obtain long term firm transmission**
5 **service if AmerenUE serves the Noranda Load?**

6 A. In Dr Proctor's testimony page 28 line 2 he indicates that utilities located west of Ameren
7 would find it more difficult to obtain transmission from the east. I agree that until transmission
8 constraints are relieved transmission services from sources in Ameren or farther east will be
9 more difficult to take west to AECL, Aquila(MPS), KCPL, etc. I noted in my testimony that
10 MJMEUC was recently denied 5 MW from Ameren to MPS in my Attachment 1 indicating that
11 there are already limitations in this direction. In my testimony I provided a plan to mitigate the
12 impacts. The improvements I identified would offset any additional congestion impacts of the
13 Ameren/Noranda transaction.

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15 **Q Does that conclude your testimony?**

16 A. Yes it does.
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