

**BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI**

In the Matter of the Application of Union Electric)
Company d/b/a Ameren Missouri for Permission and)
Approval and a Certificate of Public Convenience and)
Necessity Authorizing it to Construct, Install, Own,) File No. EA-2013-0089
Operate, Maintain and Otherwise Control and Manage)
A 345,000-volt electric transmission line in Cape)
Girardeau County, Missouri.)

APPLICATION

COMES NOW Union Electric Company, d/b/a Ameren Missouri, (“Ameren Missouri” or “Applicant”), by and through its counsel, and, as its Application pursuant to §393.170 RSMo (2000), 4 CSR 240-2.060 and 4 CSR 240-3.105, for a certificate of convenience and necessity for an electric transmission line, respectfully states as follows:

1. Ameren Missouri is a corporation in good standing, duly organized and existing under and by virtue of the laws of the State of Missouri, with its principal office and place of business at One Ameren Plaza, 1901 Chouteau Avenue, St. Louis, Missouri 63103. A certified copy of Applicant's Certificate of Corporate Good Standing was recently submitted to the Missouri Public Service Commission ("Commission") in File No. EA-2013-0316 and it is incorporated herein and made a part hereof for all purposes. Applicant's Fictitious Name Registration was previously filed with the Commission in Case No. EN-2011-0069, and is also incorporated herein and made a part hereof for all purposes.

2. Applicant is engaged in providing electric and gas utility services in portions of Missouri as a public utility under the jurisdiction of this Commission. Ameren Missouri has no pending actions or final unsatisfied judgments or decisions against it from any state or federal court or agency within the past three (3) years which involve customer service or rates, other than cases currently pending before the Commission and an appeal of a fuel adjustment clause

disallowance pending in the Missouri Western District Court of Appeals (Docket No. WD75403). The Applicant has no annual reports or assessment fees that are overdue.

3. All correspondence, communications, notices, orders and decisions of the Commission with respect to this matter should be sent to the undersigned counsel.

PROJECT DESCRIPTION AND NEED

4. Ameren Missouri proposes to construct, install, own, operate, control, manage and maintain a 345,000-volt overhead electric transmission line located in Cape Girardeau County, Missouri which has a total length of approximately 12 miles. The line will be supported primarily by wooden H-frame structures 75-100 feet in height, with typical spans of 600-900 feet. These wooden structures will be erected within a 150-foot right-of-way. A drawing of the H-frame structure which is contemplated is attached as **Appendix A**.

5. The transmission line is part of a larger project that includes the construction of a new substation, the Heritage Substation, located west of the city of Cape Girardeau, and upgrades to the existing Lutesville, Wedekind, and Cape Girardeau substations. In addition, the project includes construction of approximately 2 miles of a 161,000-volt line. All of the substations involved and the 161,000-volt line are located within Ameren Missouri's existing certificated service territory or are covered by an existing line certificate. In addition, approximately 6 miles of the 12-mile 345,000-volt line are within the Company's existing certificated service territory. Ameren Missouri is seeking a line certificate for the portion of the 345,000-volt line (also approximately 6 miles in length) that will be located outside the Company's existing certificated service territory.

6. This project is required to meet the Company's transmission needs and ensure reliability to the region, and is part of a regional transmission plan approved by the Midwest

Independent Transmission System Operator, Inc. (“MISO”). Specifically, this project will prevent voltage collapse that could result in an outage to over 320 megawatts (“MW”) of load in the Cape Girardeau area, in the event of certain transmission outages occurring at the time of peak demand. Under the applicable criteria for North American Electric Reliability Corporation (“NERC”) Category C contingency events, Ameren Missouri is required to take corrective action to address this problem.

TRANSMISSION LINE ROUTE

7. A depiction of the route of construction of the line is found on the map attached as **Appendix B**. Ameren Missouri’s existing certificated service territory is depicted by the shaded area on that map. The route of the proposed line runs from Ameren Missouri’s existing Lutesville Substation to the site of the new Heritage Substation, to be located west of the City of Cape Girardeau. The legal description of the route will be added to Ameren Missouri’s tariff once the line is constructed and the legal description can be determined with specificity.

8. A list of electric and telephone lines of regulated and nonregulated utilities, railroad tracks and other underground facilities, as defined in section 319.015, RSMo., which the proposed construction will cross is attached to this Application as **Appendix C**.

PROJECT COSTS AND RISKS

9. The estimated cost for this transmission line, including the portions inside and outside of Ameren Missouri’s currently certificated service territory is \$55-\$75 million. A breakdown of the estimated costs by category is contained on **Appendix D**. Staff has requested that the Company provide the top five risks for this project as part of its Application. The top 5 risks of the project, and the steps Ameren Missouri is taking to mitigate those risks, are contained in **Appendix E**.

10. Ameren Missouri intends to finance this project through existing funds and indebtedness.

11. Ameren Missouri will not require any additional franchises or permits from municipalities or counties in connection with the proposed construction addressed by this filing. Ameren Missouri is not sure if it will require approvals from any other government agencies. A list of agencies that Ameren Missouri has contacted with regard to this project is contained in **Appendix F**. If any such approvals are required, Ameren Missouri will file certified copies of the approvals when they are received.

12. The foregoing facts demonstrate that this certificate request is required by the public convenience and necessity,

13. Ameren Missouri requests that the Commission approve this application at its earliest convenience, but in no event later than May 1, 2013 so that the Company may begin construction promptly, once the necessary easements have been obtained. This timeline will allow the Company to complete construction and place the new transmission line in service by December, 2015.

14. Ameren Missouri filed a 60 day notice of this application as required by 4 CSR 240-4.020(2) on August 24, 2012.

WHEREFORE, Ameren Missouri requests an order from the Commission granting it a certificate of convenience and necessity to construct, install, own, operate, control, manage, and maintain that part of the project described herein located outside its existing certificated service territory, as described above and depicted on Appendix B, in Cape Girardeau County, Missouri.

Respectfully submitted,

Thomas M. Byrne

Thomas M. Byrne, # 33340
Managing Associate General
Counsel
Union Electric Company, d/b/a
Ameren Missouri
1901 Chouteau Avenue, MC-1310
P.O. Box 66149, MC-1310
St. Louis, Missouri 63166-6149
(314) 554-3484 (Telephone)
(314) 554-4014 (Facsimile)
AmerenMOService@ameren.com

James B. Lowery, # 40503
Smith Lewis, LLP
111 S. Ninth Street, Suite 200
P.O. Box 918
Columbia, MO 65205
Telephone: (573) 443-3141
Fax: (573) 442-6686
Email: lowery@smithlewis.com

**Attorneys for Union Electric
Company d/b/a Ameren Missouri**

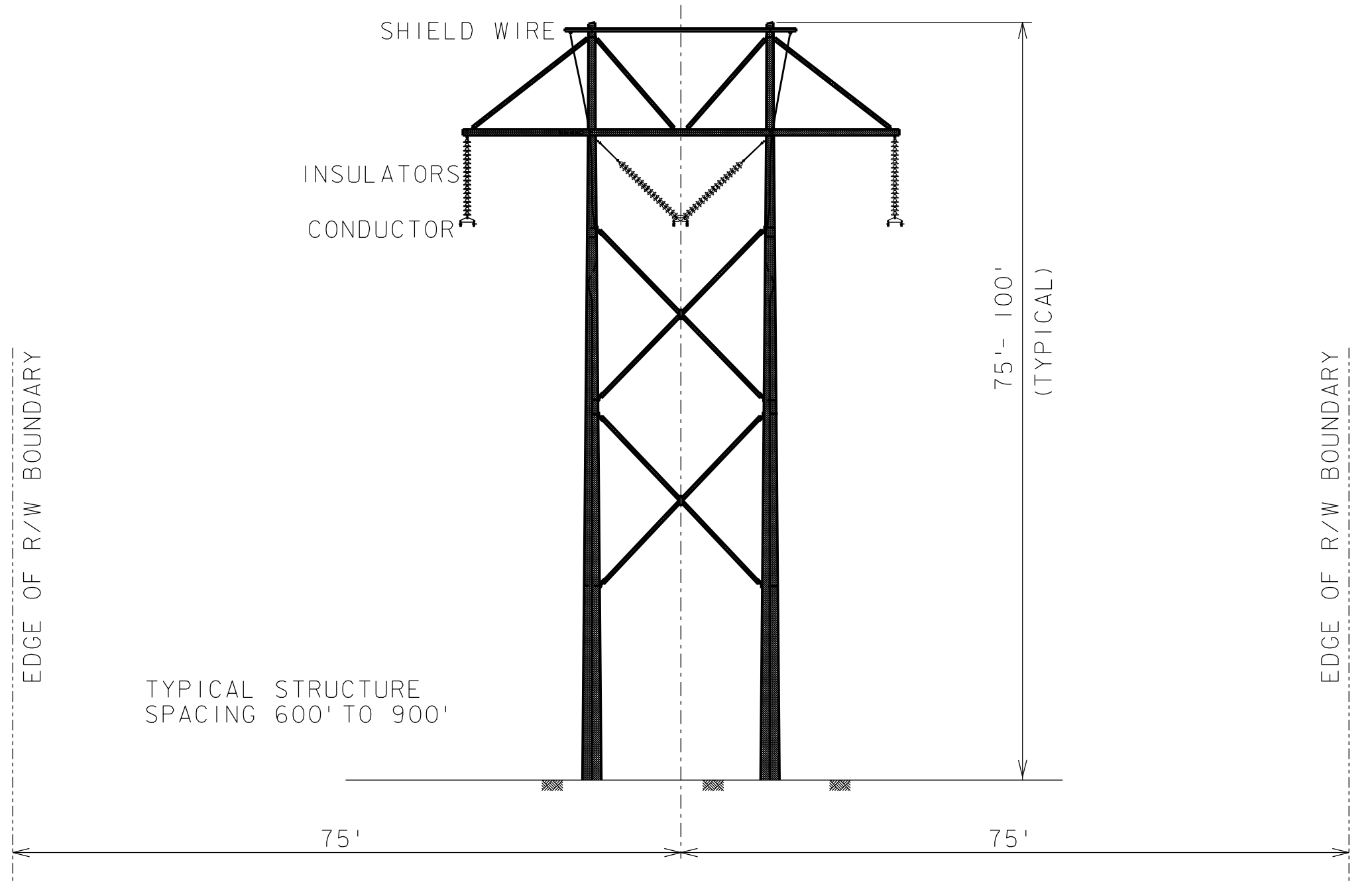
CERTIFICATE OF SERVICE

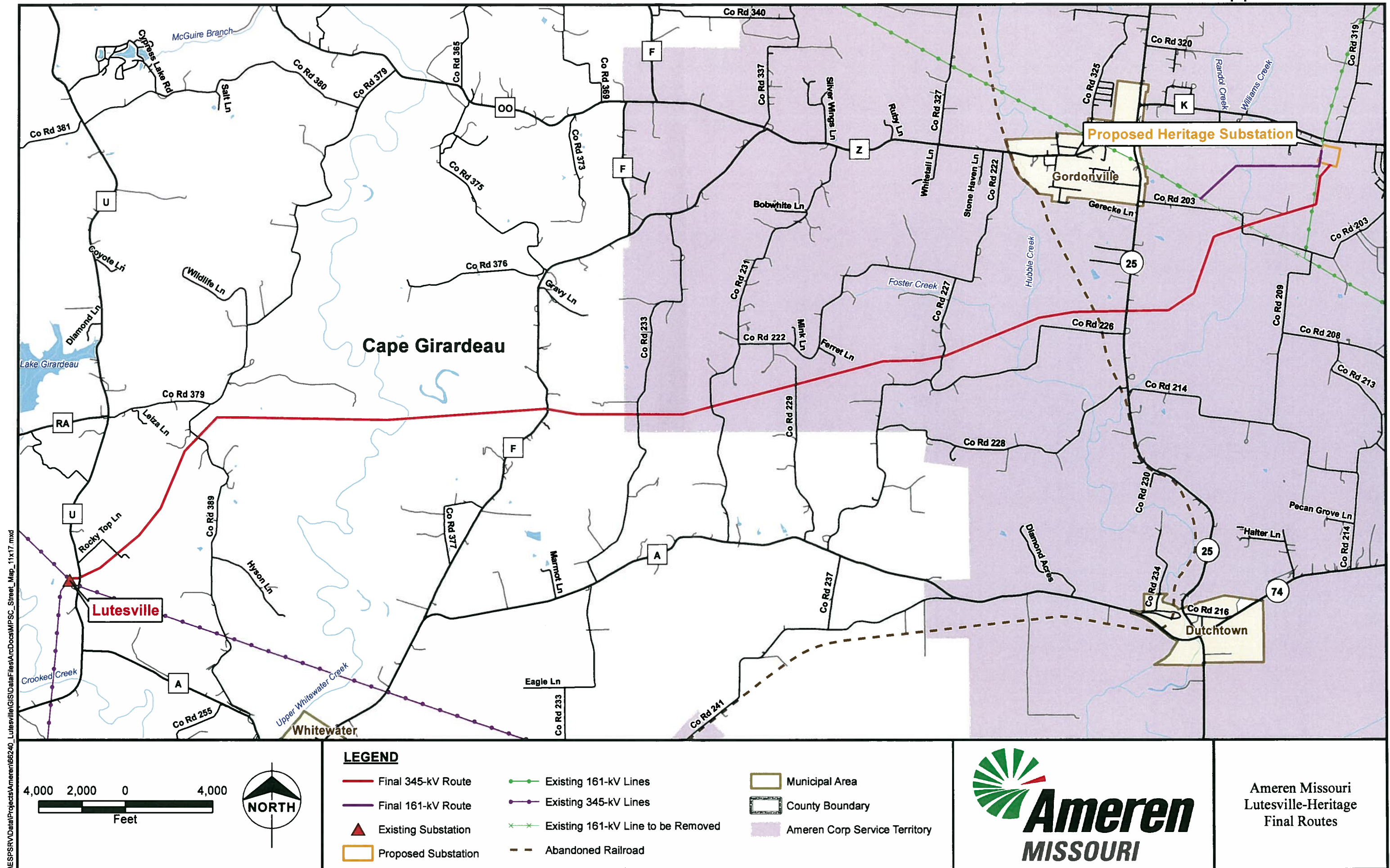
The undersigned certifies that a true and correct copy of the foregoing document was sent by electronic mail to the following counsel this 6th day of December, 2012:

Staff General Counsel
gencounsel@psc.mo.gov

OPC
opcservice@ded.mo.gov

Thomas M. Byrne
Thomas M. Byrne





AREA 1 CROSSING INFORMATION

(Area from Lutesville Substation to Ameren Missouri Service Territory)

Black River Electric

Crossing location: (Segment 3) intersection of proposed 345kV and existing overhead distribution between the West side of Hwy U and Lutesville Substation

Latitude: 37°15'30.956" Longitude: -89°50'03.433"

AT & T

Crossing location: (Segment 3) intersection of proposed 345kV and the East side of Hwy U

Latitude: 37°15'31.229" Longitude: -89°50'02.699"

Black River Electric

Crossing location (Segment 3) intersection of proposed 345kV and existing overhead distribution approximately 110 feet Southwest of Rocky Top Lane on property owned by Ira and Wilma Avery (property address: 670 Rocky Top Lane, Whitewater MO 63785)

Latitude: 37°15'41.194" Longitude: -89°49'42.787"

AT & T

Crossing location: (Segment 3) intersection of proposed 345kV and Northeast side of Rocky Top Lane (note: this location was not marked by AT&T, however there is a telephone pedestal 950 feet Northwest at the 90 degree turn in Rocky Top Lane)

Latitude: 37°15'41.983" Longitude: -89°49'41.600" (crossing location)

Latitude: 37°15'48.590" Longitude: -89°49'49.919" (phone pedestal location)

Black River Electric

Crossing location (Segment 3) intersection of proposed 345kV and existing overhead distribution approximately 285 feet Southwest of County Road 389 on property owned by James and Patsy Lunsford (property address: 394 County Road 389, Whitewater MO 63785)

Latitude: 37°16'32.736" Longitude: -89°48'57.979"

AT & T

Crossing location: (Segment 3) intersection of proposed 345kV and the Northeast side of County Road 389

Latitude: 37°16'34.928" Longitude: - 89°48'55.329"

SEMO Electric

Crossing location: (Segment 6) intersection of proposed 345kV and existing overhead distribution on the West side of Highway F

Latitude: 37°16'46.534" Longitude: -89°45'36.874"

AT & T

Crossing location: (Segment 6) intersection of proposed 345kV and the East side of Highway F

Latitude: 37°16'46.429" Longitude: -89°45'36.165"

AREA 2 CROSSING INFORMATION

(West edge of Ameren Missouri Service Territory to Proposed Heritage Sub)

Ameren Missouri

Crossing location: (Segment 6) intersection of proposed 345kV and existing overhead distribution on the West side of County Road 233

Latitude: 37°16'43.686" Longitude: -89°44'45.513"

AT & T (underground telephone)

Crossing location: (Segment 12) intersection of proposed 345kV and County Road 231

Latitude: 37°16'46.950" Longitude: -89°44'02.857"

Ameren Missouri

Crossing location: (Segment 12) intersection of proposed 345kV and existing overhead distribution on property owned by Marvin and Verna Best (property address: 3010 County Road 231, Gordonville)

Latitude: 37°16'48.922" Longitude: -89°43'53.251"

Ameren Missouri

Crossing location: (Segment 12) intersection of proposed 345kV and existing overhead distribution on property owned by Vernon and Marilyn Eggimann (property address: 605 County Road 227, Gordonville)

Latitude: 37°17'08.332" Longitude: -89°41'55.601"

Jackson Gordonville and Delta Railroad Company (possibly abandoned)

Crossing location: (Segment 16)

Latitude: 37°17'28.782" Longitude: -89°40'24.059"

AT & T

Crossing location: (Segment 16) intersection of proposed 345kV and West side of Hwy 25

Latitude: 37°17'28.902" Longitude: -89°40'06.536"

Ameren Missouri

Crossing location: (Segment 16) intersection of proposed 345kV and existing distribution on the West side of Hwy 25

Latitude: 37°17'28.902" Longitude: -89°40'06.498"

Ameren Missouri

Crossing location: (Segment 19/Segment 26) intersection of proposed 345kV and existing 161kV line

Latitude: 37°18'07.500" Longitude: -89°38'56.552"

Ameren Missouri

Crossing location: (Segment 26) intersection of proposed 345kV and existing overhead distribution on property owned by Westrich Farms LLC (property address: 8716 County Road 203, Gordonville)

Latitude: 37°18'13.807" Longitude: -89°38'29.719"

Ameren Missouri

Crossing location: (Segment 28) intersection of proposed 345kV and existing 161kV line

Latitude: 37°18'16.330" Longitude: -89°38'18.541"

AREA 3 CROSSING INFORMATION
(Proposed Heritage Sub to existing 161kV)

No crossings.

Lutesville – Heritage Transmission Line Project Cost Information
Associated with the Missouri Certificate filing

COST ESTIMATE

Overall estimate of cost for this project is \$55-75 million. This is broken up into various work scopes and estimates as follows:

1. New Heritage substation Real Estate costs: \$2,580,000*
2. New Heritage Substation: \$13,900,000
3. Reworked 161kV lines into Heritage Substation: \$2,800,000
4. New 345kV line from Lutesville – Heritage: \$32,000,000 (~\$15,000,000 will be for line outside of existing service area or associated with this certificate)
5. Modifications to Lutesville Substation: \$2,600,000
6. Modification to Cape Girardeau Substation: \$350,000
7. Modification to Wedekind Substation: \$1,770,000
8. Total estimate is \$56,000,000

Contingency is \$19,000,000**

*Money already spent

**Contingency funds are being revised as risks are mitigated and avoided. This is under review currently and being reduced.

Lutesville – Heritage Transmission Line Project Risk Information
Associated with the Missouri Certificate filing

RISK

The top five project risks for the Lutesville to Heritage Transmission Line project are as follows:

1. Karst Geology is in the region which translates to a construction risk. This is being mitigated by soil borings and a geology report of known sinkholes and suspected sinkholes in the region.
2. Permitting by the US Army Corps of Engineers (USACE) for wetlands impact invokes a schedule risk. This is being mitigated by following USACE guidelines and selecting a route which avoids as many wetlands as possible.
3. Permitting by the US Fish and Wildlife (USFW) which includes clearing restrictions due to endangered species requirements translates to schedule and cost risks. This involves selecting a route which avoids endangered species habitats as much as possible.
4. Resources being available for both labor (design and construction) and materials results in cost and schedule risks. Placing contracts earlier will assure more price certainty and resource (labor and material) availability.
5. Natural occurring events such as bad weather during construction, storm responses elsewhere in the country, or other natural disasters all are cost and schedule risks. Sufficient schedule contingency (time) and budget contingency (dollars) will be utilize to address these risks.

**Ameren Missouri
Lutesville - Heritage 345-kV Transmission Line
Project (66240)
Agencies Contacted**

Natural Resources Conservation Service
U.S. Army Corps of Engineers
U.S. Army Corps of Engineers
U.S. Fish and Wildlife Service
U.S. Environmental Protection Agency, Region 7
Federal Aviation Administration, Central Region
Missouri Department of Agriculture
Missouri Department of Conservation
Missouri Department of Conservation, Policy
Coordination
Missouri Department of Natural Resources
Missouri Department of Transportation
Missouri State Historic Preservation Office
Cape Girardeau County Floodplain Department
Cape Girardeau County Highway Department
Cape Girardeau County Parks Department
Cape Girardeau County Archive Center
Cape Girardeau County Public Works Department

AFFIDAVIT

State of Missouri)
) ss
City of St. Louis)

I, David N. Wakeman, having been duly sworn upon my oath, state that I am the Vice President of Energy Delivery of Union Electric Company d/b/a Ameren Missouri, that I am duly authorized to make this affidavit on behalf of the Company, and that the matters and things stated in the foregoing Application and appendices thereto are true and correct to the best of my information, knowledge and belief.

David N. Wakeman
David N. Wakeman

Subscribed and sworn before me this 16th day of December, 2012.

Julie Donohue
Notary Public

