

January 7, 2013

Mr. Rick Pietruszka  
Illinois Department of Natural Resources  
One Natural Resources Way  
Springfield, IL 62702-1271

Subject: Ameren Illinois Company - Fargo - Mapleridge Transmission Line Project  
Peoria County, Illinois

Mr. Pietruszka:

Ameren Illinois Company (Ameren Illinois) is proposing a new 345 kilovolt (kV) electrical transmission line, a new 345 kV switching station and to modify the existing Fargo Substation. The new 345 kV transmission line will connect the existing Duck Creek-Tazewell 345 kV transmission line and the existing Fargo Substation in the Peoria service area. The proposed new switching station, Mapleridge Substation, is to be located generally north of Mapleton, Illinois and will separate the Duck Creek-Tazewell 345 kV transmission line. The proposed transmission line will be routed from the Mapleridge Substation and extend northward to the Fargo Substation located just off of U.S. Route 150. The modifications to be made at the Fargo Substation will allow for interconnection of the proposed 345 kV line and the installation of a new 345/138 kV transformer.

The Project involves approximately 16 miles of new line (the alternate route would be approximately 22 miles) within a 150-foot right-of-way (ROW). The proposed structures will primarily include single-shaft galvanized steel pole structures, typically 700 to 1,000 feet apart and up to 140 feet in height. Construction of the new 345 kV transmission line is anticipated to begin in first quarter 2015.

The Project is subject to a Certificate of Public Convenience and Necessity (CPCN) from the Illinois Commerce Commission (ILCS 5/8-406.1). Section 8-406.1 requires the identification of a primary route and at least one alternate route. The proposed routes will be included in the petition for a CPCN, which Ameren Illinois anticipates submitting in February 2013. The expected Project in-service date is fourth quarter 2016.

Maps illustrating the proposed routes are enclosed with this letter. The primary route (shown in blue on the maps) is the most feasible direct route between the existing Fargo Substation and the proposed Mapleridge substation, thereby minimizing distance and ground disturbance. The proposed routes almost entirely parallel pre-disturbed existing road and transmission line

rights-of-way or section lines and property lines within active agricultural areas. The following sections are crossed by the proposed routes.

Route	Township	Range	Sections
Primary Route	7N	6E	1, 12, 13
	8N	6E	12, 13, 24, 25, 36
		7E	5, 6, 7
9N	7E	9, 16, 21, 28, 29, 32, 33	
Alternate Route	7N	6E	1, 12, 13
	8N	6E	3, 10, 11, 13, 14, 15, 23, 24, 25, 26, 36
	9N	6E	12, 13, 14, 23, 24, 25, 26, 34, 35, 36
		7E	7, 8, 9
Segment Option 1	8N	6E	13, 23, 24
Segment Option 2	8N	6E	12
	8N	7E	7
Segment Option 3	9N	6E	13, 14, 23, 24

Based upon review of potential species occurrence data obtained from the Illinois Department of Natural Resources Natural Heritage Inventory database through a license agreement, no known occurrences of state-listed species are located within 75-feet of the proposed routes.

Based on the information provided above and as depicted on the enclosed maps, no adverse effects to state-listed species are anticipated. Ameren Illinois respectfully requests your concurrence with this conclusion.

Thank you in advance for your time and consideration. If you have any questions or require additional information about the Project, please don't hesitate to contact me at 314-630-6565, or via email at [klynn@ameren.com](mailto:klynn@ameren.com).

Sincerely,

Kenneth W. Lynn  
Consulting Environmental Scientist  
Ameren Services

Enclosures: Topographic and Aerial Maps of the Proposed Routes

cc: Luke Wollin, Ameren  
Brian Holderness, Ameren  
Heather Heater, ERM

January 7, 2013

Mr. Rick Nelson  
U.S. Fish and Wildlife Service  
Rock Island District  
1511 47th Avenue  
Moline, IL 61265

Subject: Ameren Illinois Company - Fargo – Mapleridge Transmission Line Project  
Peoria County, Illinois

Mr. Nelson:

Ameren Illinois Company (Ameren Illinois) is proposing a new 345 kilovolt (kV) electrical transmission line, a new 345 kV switching station and to modify the existing Fargo Substation. The new 345 kV transmission line will connect the existing Duck Creek-Tazewell 345 kV transmission line and the existing Fargo Substation in the Peoria service area. The proposed new switching station, Mapleridge Substation, is to be located generally north of Mapleton, Illinois and will separate the Duck Creek-Tazewell 345 kV transmission line. The proposed transmission line will be routed from the Mapleridge Substation and extend northward to the Fargo Substation located just off of U.S. Route 150. The modifications to be made at the Fargo Substation will allow for interconnection of the proposed 345 kV line and the installation of a new 345/138 kV transformer.

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The Project is subject to a Certificate of Public Convenience and Necessity (CPCN) from the Illinois Commerce Commission (ILCS 5/8-406.1). Section 8-406.1 requires the identification of a primary route and at least one alternate route. The proposed routes will be included in the petition for a CPCN, which Ameren Illinois anticipates submitting in February 2013. The expected Project in-service date is fourth quarter 2016.

Maps illustrating the proposed routes are enclosed with this letter. The primary route (shown in blue on the maps) is the most feasible direct route between the existing Fargo Substation and the proposed Mapleridge substation, thereby minimizing distance and ground disturbance. The proposed routes almost entirely parallel pre-disturbed existing road and transmission line

rights-of-way or section lines and property lines within active agricultural areas. The following sections are crossed by the proposed routes.

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	8N	6E	3, 10, 11, 13, 14, 15, 23, 24, 25, 26, 36
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		7E	7, 8, 9
Segment Option 1	8N	6E	13, 23, 24
Segment Option 2	8N	6E	12
	8N	7E	7
Segment Option 3	9N	6E	13, 14, 23, 24

Three federally listed species are known to have the potential to occur within the Project area. These species include the threatened Eastern prairie fringed orchid (*Platanthera leucophaea*), the threatened Decurrent false aster (*Boltonia decurrens*) and the endangered Indiana bat (*Myotis sodalis*).

However, based on a review of high-resolution aerial imagery, National Wetland Inventory data, and field reconnaissance of the Project area, limited wetlands are located along the proposed routes. No prairie remnants have been identified along the proposed routes that would provide potential habitat for the Eastern prairie fringed orchid. Furthermore, the existing wetlands predominantly include isolated wetlands occurring on agricultural lands and riparian wetlands associated with drainage features; especially within the vicinity of Kickapoo Creek. It is unlikely that these areas would provide summer roosting habitat for the Indiana bat. Additionally, no Indiana bat hibernacula are known to occur in Peoria County.

The Decurrent false aster prefers moist, sandy floodplains and wetlands within the Illinois River valley of Peoria County. The proposed routes are located at a minimum of six miles from the Illinois River. No designated critical habitat has been identified by the U.S. Fish and Wildlife Service in Peoria County where the Decurrent false aster has the potential to occur.

The Decurrent false aster is also a threatened state-listed species while the Eastern prairie fringed orchid and Indiana bat are also endangered state-listed species in Illinois. No recorded observations of these species have been recorded along the proposed routes by the Illinois Department of Natural Resources Natural Heritage Inventory database.

Based on the information provided above and as depicted on the enclosed maps, no adverse effects to the Eastern prairie fringed orchid, the Decurrent false aster and the Indiana bat are anticipated. Ameren Illinois respectfully requests your concurrence with this conclusion.

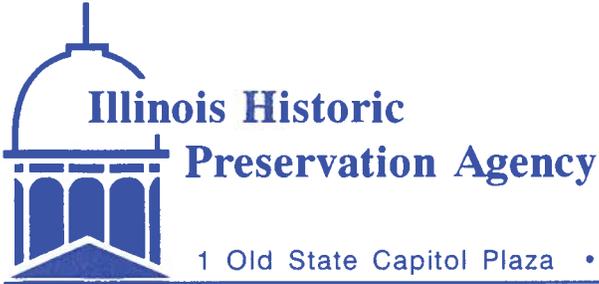
Thank you in advance for your time and consideration. If you have any questions or require additional information about the Project, please don't hesitate to contact me at 314-630-6565, or via email at [klynn@ameren.com](mailto:klynn@ameren.com).

Sincerely,

Kenneth W. Lynn  
Consulting Environmental Scientist  
Ameren Services

Enclosures: Topographic and Aerial Maps of the Proposed Routes

cc: Luke Wollin, Ameren  
Brian Holderness, Ameren  
Heather Heater, ERM



1 Old State Capitol Plaza • Springfield, Illinois 62701-1512 • [www.illinois-history.gov](http://www.illinois-history.gov)

Various County PLEASE REFER TO: IHPA LOG #023121712  
Peoria area  
Peoria & Tazewell Counties, along US Route 150  
FERC  
New construction, 345 kV Electrical transmission line & switching station, Fargo-Mapleridge  
Transmission Line Project

December 20, 2012

Leigh Morris  
Ameren Illinois  
200 West Washington Street  
Springfield, IL 62701

Dear Ms. Morris:

Thank you for requesting comments from our office concerning the possible effects of the project referenced above on cultural resources. Our comments are required by Section 106 of the National Historic Preservation Act of 1966 (16 USC 470), as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties".

Our staff has reviewed the specifications of the referenced project as submitted by your office. We cannot adequately review this proposed project until the following additional documentation has been submitted to our Agency:

Map showing geographical location of project area.

USGS topographic maps plotting the transmission line.

If you have further questions, please contact Joe Phillippe at 217/785-1279.

Sincerely,



Anne E. Haaker  
Deputy State Historic  
Preservation Officer

January 8, 2013

Ms. Anne Haaker  
Deputy State Historic Preservation Officer  
Preservation Services Division  
Illinois Historic Preservation Agency  
1 Old State Capitol Plaza  
Springfield, Illinois 62701-150

Subject: Ameren Illinois Company - Fargo - Mapleridge Transmission Line Project  
Peoria County, Illinois

Dear Ms. Haaker:

Ameren Illinois Company (Ameren Illinois) is proposing a new 345 kilovolt (kV) electrical transmission line, a new 345 kV switching station and to modify the existing Fargo Substation. The new 345 kV transmission line will connect the existing Duck Creek-Tazewell 345 kV transmission line and the existing Fargo Substation in the Peoria service area. The proposed new switching station, Mapleridge Substation, is to be located generally north of Mapleton, Illinois and will separate the Duck Creek-Tazewell 345 kV transmission line. The proposed transmission line will be routed from the Mapleridge Substation and extend northward to the Fargo Substation located just off of U.S. Route 150. The modifications to be made at the Fargo Substation will allow for interconnection of the proposed 345 kV line and the installation of a new 345/138 kV transformer.

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Maps illustrating the proposed routes are enclosed with this letter. The primary route (shown in blue on the maps) is the most feasible direct route between the existing Fargo Substation and the proposed Mapleridge substation, thereby minimizing distance and ground disturbance. The proposed routes almost entirely parallel pre-disturbed existing road and transmission line rights-of-way or section lines and property lines within active agricultural areas. The following sections are crossed by the proposed routes.

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Segment Option 2	8N	6E	12
	8N	7E	7
Segment Option 3	9N	6E	13, 14, 23, 24

The Illinois Inventory of Archaeological Sites (IAS) and the Historic Architectural and Archaeology Resources Geographic Information System (HAARGIS) were reviewed in August 2012 for the Project area. This database review was supplemented by an IAS digital data request to the Illinois State Museum in August 2012. Results from the databases indicate, based on available information, that no archeological sites have been previously identified within 75-feet of the Primary Route. Five archeological sites have been previously identified within 75-feet of the Alternate Route. No archeological sites have been previously identified within 75-feet of the Segment Options. The available information found within these databases indicates that no National Register of Historic Places listed or eligible for listing historic districts or properties fall within 75-feet of or adjacent to the proposed routes. A review of IAS also provided information on the state's high probability areas near the proposed routes. These include the Kickapoo Creek, Largent Creek, Johnson Run, Little Lamarsh Creek, Warsaw Run, and a couple of unnamed perennial and intermittent streams.

Currently, Ameren Illinois does not anticipate impacts to previously identified resources as a result of the Project. Ameren Illinois plans to avoid impacts to known resources, to the extent feasible, by adjusting pole spacing to span resources. Impacts to most, if not all, of these sites can be avoided by designation of sensitive areas, minor adjustments to Project design, and designation of no-traffic areas during construction and operation. Furthermore, areas of archaeological potential will be spanned when possible. No buildings are anticipated to be razed for construction of the Project.

Ameren Illinois requests your written concurrence that the Fargo – Mapleridge Transmission Line Project will have no effect on historic properties and that no cultural resources surveys will be required for the proposed routes.

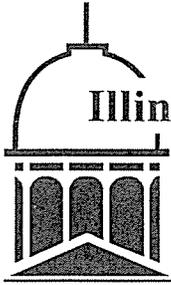
Thank you in advance for your time and consideration. If you have any questions or require additional information about this Project, please don't hesitate to contact me at 314-554-3574 or via email at [bholderness@ameren.com](mailto:bholderness@ameren.com).

Sincerely,

Brian Holderness  
Environmental Services

Enclosures: Topographic and Aerial Maps of the Proposed Routes

cc: Kenneth Lynn, Ameren  
Luke Wollin, Ameren  
Andrew Bielakowski, ERM  
Heather Heater, ERM



Illinois Historic  
Preservation Agency

1 Old State Capitol Plaza • Springfield, Illinois 62701-1512 • [www.illinois-history.gov](http://www.illinois-history.gov)

Various County  
Peoria area  
Peoria & Tazewell Counties, along US Route 150  
FERC  
New construction, Fargo-Mapleridge Transmission Line & switching station-Ameren

PLEASE REFER TO: IHPA LOG #023121712

January 17, 2013

Leigh Morris  
Ameren Illinois  
200 West Washington Street  
Springfield, IL 62701

Dear Ms. Morris:

Thank you for requesting comments from our office concerning the possible effects of the project referenced above on cultural resources. Our comments are required by Section 106 of the National Historic Preservation Act of 1966 (16 USC 470), as amended, and its implementing regulations, 36 CFR 800: "Protection of Historic Properties".

The project area has not been surveyed and may contain prehistoric/historic archaeological resources. Accordingly, a Phase I archaeological reconnaissance survey to locate, identify, and record all archaeological resources within the project area will be required. This decision is based upon our understanding that there has not been any large scale disturbance of the ground surface (excluding agricultural activities) such as major construction activity within the project area which would have destroyed existing cultural resources prior to your project. If the area has been heavily disturbed prior to your project, please contact our office with the appropriate written and/or photographic evidence.

The area(s) that need(s) to be surveyed include(s) all area(s) that will be developed as a result of the issuance of the federal agency permit(s) or the granting of the federal grants, funds, or loan guarantees that have prompted this review.

Please note that an architectural survey of resources located with  $\frac{1}{4}$  mile of the selected corridor is required in addition to the archaeological survey.

Enclosed you will find an attachment briefly describing Phase I surveys and a list of archaeological contracting services. THE IHPA LOG NUMBER OR A COPY OF THIS LETTER SHOULD BE PROVIDED TO THE SELECTED PROFESSIONAL ARCHAEOLOGICAL CONTRACTOR TO ENSURE THAT THE SURVEY RESULTS ARE CONNECTED TO YOUR PROJECT PAPERWORK.

For questions concerning the archaeological survey, please contact Joseph Phillippe at 217-785-1279, and for questions concerning the architectural survey please contact David Halpin at 217-785-4998.

Sincerely,

Anne E. Haaker  
Deputy State Historic  
Preservation Officer

AEH/DH

Enclosure

c: Brian Holderness, Ameren

## Heather Heater

---

**From:** Lynn, Kenneth W <KLynn@ameren.com>  
**Sent:** Monday, January 28, 2013 8:24 AM  
**To:** Wollin, Luke N  
**Cc:** Molitor, Adam J; Doni Murphy; Heather Heater  
**Subject:** FW: Proposed overhead electric transmission line --Peoria County, IL (UNCLASSIFIED)

FYI...

-----Original Message-----

From: Walsh, Eugene W MVR [<mailto:Eugene.W.Walsh@usace.army.mil>]  
Sent: Monday, January 28, 2013 7:27 AM  
To: Lynn, Kenneth W  
Subject: RE: Proposed overhead electric transmission line --Peoria County, IL (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: NONE

Kenny,

Ultimately, we will need to know your permanent and temporary impacts to waters of the U.S. (including wetlands) and whether your chosen route is the primary or alternate route. You will need to provide us a wetland delineation, cultural resources review, and habitat assessment for threatened and endangered species if a preconstruction notification is required for the project.

Gene Walsh  
Project Manager  
Enforcement Section

-----Original Message-----

From: Lynn, Kenneth W [<mailto:KLynn@ameren.com>]  
Sent: Friday, January 25, 2013 2:55 PM  
To: Walsh, Eugene W MVR  
Subject: Proposed overhead electric transmission line --Peoria County, IL  
Importance: High

Gene:

Ameren is considering construction of a 345kV overhead electric transmission line, known as the Fargo-Mapleridge line, in Peoria County, IL (see attached map).

The route corridor will be 150 feet in width; the length of the primary/preferred route is approximately 16 miles. In addition, a new substation/switching station will be built at the south end of the corridor. Portions of the preferred route include paralleling existing roads and existing overhead electric lines. The structures to be utilized will be single

shaft steel, placed at intervals of approximately 700 to 1000 feet, and will be approximately 140 feet high. Construction is not expected to begin until early 2015.

The route selection process eliminated significant impacts to possible wetland and streams; however, the exact location of jurisdictional waters has not been field delineated as yet.

Note the attached map indicates both a preferred or "primary" route (teal) and an alternative (orange), with some potential other route options shown as purple. Ultimately, the Illinois Commerce Commission (ICC) will render a decision on which route will be approved for construction.

Please let me know if you have any comments to this proposed project as they relate to 404 permitting that may be required through your office.

If you have any questions, let me know.

.....

KENNY LYNN  
Consulting Environmental Scientist  
Environmental Services Department  
T 314-554-2978  
C 314-630-6565  
F 314-554-4182  
E [klynn@ameren.com](mailto:klynn@ameren.com) <<mailto:klynn@ameren.com>> .....

Ameren Services  
1901 Chouteau Avenue  
Mail Code 602  
St. Louis, MO 63103

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Classification: UNCLASSIFIED

Caveats: NONE

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