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PUCO

July 8, 2014

Ms. Barcy F. McNeal
Docketing Division
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, OH 43215-3793

Construction Notice
Lemoyne Substation Expansion
Case No. 14-1177-EL-BNR

Dear Ms. McNeal:

In accordance with Rule 4906-01-11 American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, transmits one (1) original and eleven (11) copies of the enclosed Construction Notice. In this project, ATSI is proposing to expand a portion of the Lemoyne Substation to accommodate the installation of a new 345 kV breaker, buswork and two disconnect switches. The proposed Project is located approximately 0.2 miles north of the intersection of Pemberville Road and Garling Road in Troy Township, Wood County, Ohio.

Please be advised of the following:

a) Name and address of the applicant:

American Transmission Systems, Incorporated
76 South Main Street
Akron, Ohio 44308

b) Name of proposed facilities:

Lemoyne Substation Expansion

c) Location of proposed facilities:

The proposed Project is located approximately 0.2 miles north of the intersection of Pemberville Road and Garling Road in Troy Township, Wood County, Ohio.

This is to certify that the images appearing are an accurate and complete reproduction of a case file document delivered in the regular course of business.
Technician DMO Date Processed JUL 09 2014

d) Description of proposed facilities:

ATSI is proposing to expand a portion of the Lemoyne Substation fence to accommodate a new 345 kV breaker, buswork and two disconnect switches.

e) Applicant's representative:

Scott Humphrys, Transmission Specialist
Energy Delivery Technical Services
FirstEnergy Service Company
76 South Main Street
Akron, OH 44308-1890

After docketing this filing, please return one time-stamped copy of the Construction Notice for our records to us in the enclosed envelope. We have provided a copy of this Construction Notice by certified mail, with return receipt requested, to officials of the political subdivisions immediately affected by the proposed project as listed in the attached Exhibit 1. Copies of the transmittal letters addressed to the local government representatives of Troy Township, Wood County are enclosed for your file.

Should the Ohio Power Siting Board desire further information or discussion of this submittal, please contact me at (330) 384-2526.

Sincerely,



Scott Humphrys
Transmission Specialist
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachments

July 8, 2014

Mr. Steve Levorchick
Troy Township Trustee
PO Box 128
311 Krotzer Avenue
Luckey, OH 43443

Construction Notice
Lemoyne Substation Expansion
Case No. 14-1177-EL-BNR

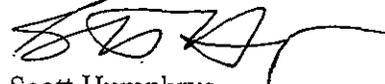
Dear Mr. Levorchick,

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In accordance with the provisions of Ohio Administrative Code ("OAC") Rule 4906-1-01, this project falls within the Ohio Power Siting Board's requirements for a Construction Notice ("Notice"). Therefore, in compliance with OAC 4906-11-02 of the OPSB's Rules and Regulations, we have prepared and filed the attached Notice with the OPSB for their review and approval. The Notice contains a description of the Project and is provided for your information.

I'll be glad to answer any question concerning this matter. You can contact me at (330) 384-2526.

Sincerely,



Scott Humphrys
Transmission Specialist
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

July 8, 2014

Mr. Matt Brinker
Troy Township Trustee
PO Box 128
311 Krotzer Avenue
Luckey, OH 43443

Construction Notice
Lemoyne Substation Expansion
Case No. 14-1177-EL-BNR

Dear Mr. Brinker,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing to expand a portion of the Lemoyne Substation to accommodate the installation of a new 345 kV breaker, buswork and two disconnect switches. The proposed Project is located approximately 0.2 miles north of the intersection of Pemberville Road and Garling Road in Troy Township, Wood County, Ohio.

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Sincerely,



Scott Humphrys
Transmission Specialist
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

July 8, 2014

Mr. Ken Recker
Troy Township Trustee
PO Box 128
311 Krotzer Avenue
Luckey, OH 43443

Construction Notice
Lemoyne Substation Expansion
Case No. 14-1177-EL-BNR

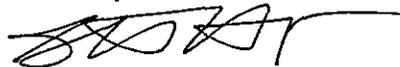
Dear Mr. Recker,

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Sincerely,



Scott Humphrys
Transmission Specialist
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

July 8, 2014

Ms. Linda Biniker
Troy Township Fiscal Officer
PO Box 128
311 Krotzer Avenue
Luckey, OH 43443

Construction Notice
Lemoyne Substation Expansion
Case No. 14-1177-EL-BNR

Dear Ms. Biniker,

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Sincerely,



Scott Humphrys
Transmission Specialist
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

July 8, 2014

The Honorable James F. Carter
Wood County Commissioner
Fifth Floor, County Office Building
One Courthouse Square
Bowling Green, OH 43402

Construction Notice
Lemoyne Substation Expansion
Case No. 14-1177-EL-BNR

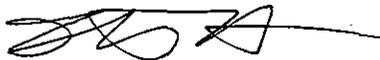
Dear Mr. Carter,

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Sincerely,



Scott Humphrys
Transmission Specialist
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

July 8, 2014

The Honorable Doris I. Herringshaw
Wood County Commissioner
Fifth Floor, County Office Building
One Courthouse Square
Bowling Green, OH 43402

Construction Notice
Lemoyne Substation Expansion
Case No. 14-1177-EL-BNR

Dear Ms. Herringshaw,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing to expand a portion of the Lemoyne Substation to accommodate the installation of a new 345 kV breaker, buswork and two disconnect switches. The proposed Project is located approximately 0.2 miles north of the intersection of Pemberville Road and Garling Road in Troy Township, Wood County, Ohio.

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Scott Humphrys
Transmission Specialist
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

July 8, 2014

The Honorable Joel M. Kuhlman
Wood County Commissioner
Fifth Floor, County Office Building
One Courthouse Square
Bowling Green, OH 43402

Construction Notice
Lemoyne Substation Expansion
Case No. 14-1177-EL-BNR

Dear Mr. Kuhlman,

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Sincerely,



Scott Humphrys
Transmission Specialist
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

July 8, 2014

Mr. Ray Huber, P.E., P.S.
Wood County Engineer
One Courthouse Square
Bowling Green, OH 43402

Construction Notice
Lemoyne Substation Expansion
Case No. 14-1177-EL-BNR

Dear Mr. Huber,

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Scott Humphrys
Transmission Specialist
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

July 8, 2014

Mr. Rob Black, Chair
Wood County Planning Commission
Fifth Floor, County Office Building
One Courthouse Square
Bowling Green, OH 43402

Construction Notice
Lemoyne Substation Expansion
Case No. 14-1177-EL-BNR

Dear Mr. Black,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing to expand a portion of the Lemoyne Substation to accommodate the installation of a new 345 kV breaker, buswork and two disconnect switches. The proposed Project is located approximately 0.2 miles north of the intersection of Pemberville Road and Garling Road in Troy Township, Wood County, Ohio.

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Sincerely,



Scott Humphrys
Transmission Specialist
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

July 8, 2014

Mr. Dave Steiner, Director
Wood County Planning Commission
Fifth Floor, County Office Building
One Courthouse Square
Bowling Green, OH 43402

Construction Notice
Lemoyne Substation Expansion
Case No. 14-1177-EL-BNR

Dear Mr. Steiner,

In the above captioned project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing to expand a portion of the Lemoyne Substation to accommodate the installation of a new 345 kV breaker, buswork and two disconnect switches. The proposed Project is located approximately 0.2 miles north of the intersection of Pemberville Road and Garling Road in Troy Township, Wood County, Ohio.

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Transmission Specialist
Energy Delivery Transmission and
Substation Design
FirstEnergy Service Company

Attachment

RECEIVED-DOCKETING DIV
2014 JUL -9 AM 9:46

PUCO

AMERICAN TRANSMISSION SYSTEMS, INCORPORATED

CONSTRUCTION NOTICE

LEMOYNE SUBSTATION EXPANSION PROJECT

OPSB CASE NO. 14-1177-EL-BNR

July 8, 2014

**American Transmission Systems, Incorporated
76 South Main Street
Akron, Ohio 44308**

**CONSTRUCTION NOTICE
LEMOYNE SUBSTATION EXPANSION PROJECT**

The following information is being provided in accordance with the procedures delineated in Ohio Administrative Code Section 4906-11-02: Construction Notice Requirements of the Rules and Regulations of the Ohio Power Siting Board.

4906-11-02 (B): Information Requirements

4906-11-02 (B) (1): Name of the Project

Name of Project: Lemoyne Substation Expansion Project

4906-11-02 (B) (2) (a): Brief Description of Project

In the Lemoyne Substation Expansion Project ("Project"), American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing to expand a portion of the existing Lemoyne Substation fence to incorporate a new 345 kV breaker, associated buswork and two disconnect switches ("substation equipment"). The addition of this substation equipment is to accommodate the new 345 kV line entering the substation associated with the approved Allen Junction-Lemoyne #2 345 kV Transmission Line Project (OPSB Case No. 13-1800-EL-BLN). The proposed Project is located approximately 0.2 miles north of the intersection of Pemberville Road and Garling Road in Troy Township, Wood County, Ohio.

The general location of the proposed Project is shown in Exhibit 1, which is a partial copy of the United States Geologic Survey, Wood, Sandusky and Ottawa Counties, Ohio Quad, Map ID 41083-D4. The general layout of the proposed Project is shown in Exhibit 2. The existing Lemoyne Substation encompasses an approximately 690,419 square foot area. A portion along the south end of the substation will be expanded, approximately 3,200 square feet to accommodate additional substation equipment.

4906-11-02 (B) (2) (b): Construction Notice Requirements

The proposed Project meets the requirements for a Construction Notice because the project is within the types of project defined by Item (8) and of the Application Requirement Matrix for Electric Power Transmission Lines in Appendix A of 4906-1-01 of the Ohio Administrative Code, which requires the filing of a Construction Notice.

This items states:

- (8) Constructing additions to existing electric power transmission substation where:
(a) There is a twenty percent or less expansion of the fenced area*

The proposed Project includes an expansion of the substation by moving an approximately 140 foot long portion of the southern fence line approximately 20 feet to the south. This will expand the footprint of the substation by a maximum of approximately 3,200 square feet. This represents an approximate 0.004 percent expansion of the substation.

4906-11-02 (B) (3): Need for the Project

The proposed Project is needed to accommodate the approved Allen Junction-Lemoyne #2 345kv Transmission Line Project (OPSB Case No. 13-1800-EL-BLN). The Allen Junction-Lemoyne #2 345kv Transmission Line Project is needed to reinforce ATSI's Bulk Electric System in the greater Toledo area and Northwest Ohio, which currently faces significant operating limitations including capacity shortage, the existence of thermal ratings constraints and low voltages on the electric transmission system. These conditions were exacerbated by the retirement of coal-fired generation around Lake Erie.

4906-11-02 (B) (4): Construction Schedule

Construction on the proposed Project is proposed to begin as early as September 15, 2014. Construction on the proposed Project is expected to be completed by December 31, 2014.

4906-11-02 (B) (5): Estimated Costs

The following is the estimated capital cost for the Project and the associated substation work:

Estimated Cost	\$ 2,112,100
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4906-11-02 (B) (6): Operating Characteristics

The new substation equipment will operate at 345,000 volts (345 kV).

4906-11-02 (B) (7): Area Map

Exhibit No. 1 depicts the general location of the project site. This exhibit provides a partial copy of the United States Geologic Survey, Wood, Sandusky and Ottawa Counties, Ohio Quad, Map ID 41083-D4. To locate and view the project site from Columbus, Ohio, take I-670 W toward Dayton then merge onto OH-315 N and proceed approximately 15 miles. Continue on OH-315 N for approximately 6 miles and turn left onto US-23 N and go approximately 71.3 miles. Turn right at E Lytle Street. Take the 3rd right onto Midblock Upas then turn left onto W South Street. Turn right onto US-23 N/S County Line Street and go approximately 20.3 miles. Turn left onto OH-582 W and go approximately 2 miles then turn right onto OH-582 W/Pemberville Road. Lemoyne Substation will be on the right.

4906-11-02 (B) (8): Properties List

The Lemoyne Substation is located on Toledo Edison property and is owned by ATSI. The proposed expansion of Lemoyne Substation will be owned by ATSI. Toledo Edison and ATSI are both FirstEnergy companies and no additional easements will need to be obtained for construction of the project.

4906-11-02 (C): Documentation of Construction Notice Transmittal

This Construction Notice is being provided concurrently to the following officials of the Troy Township and Wood County, Ohio. Copies of the transmittal letters to these officials have been included with the transmittal letter submitting this Construction Notice to the Ohio Power Siting Board.

Troy Township

Mr. Steve Levorchick
Troy Township Trustee
PO Box 128
311 Krotzer Avenue
Luckey, OH 43443

Mr. Ken Recker
Troy Township Trustee
PO Box 128
311 Krotzer Avenue
Luckey, OH 43443

Mr. Matt Brinker
Troy Township Trustee
PO Box 128
311 Krotzer Avenue
Luckey, OH 43443

Ms. Linda Biniker
Troy Township Fiscal Officer
PO Box 128
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Luckey, OH 43443

Wood County

The Honorable James F. Carter
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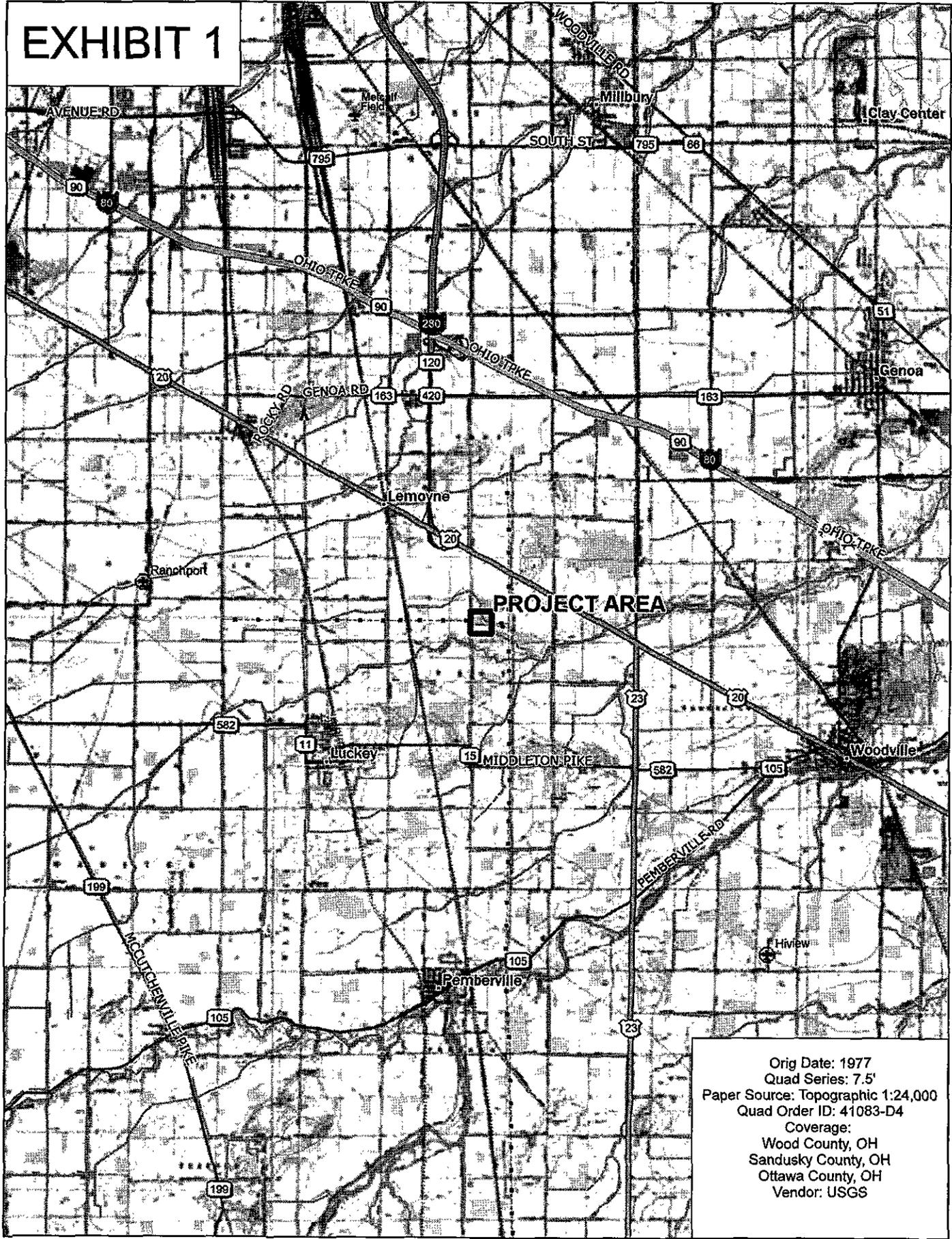
The Honorable Doris I. Herringshaw
Wood County Commissioner
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One Courthouse Square
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Mr. Rob Black, Chair
Wood County Planning Commission
Fifth Floor, County Office Building
One Courthouse Square
Bowling Green, OH 43402

The Honorable Joel M. Kuhlman
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Fifth Floor, County Office Building
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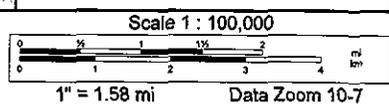
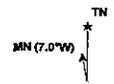
EXHIBIT 1

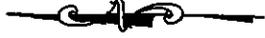


Orig Date: 1977
 Quad Series: 7.5'
 Paper Source: Topographic 1:24,000
 Quad Order ID: 41083-D4
 Coverage:
 Wood County, OH
 Sandusky County, OH
 Ottawa County, OH
 Vendor: USGS

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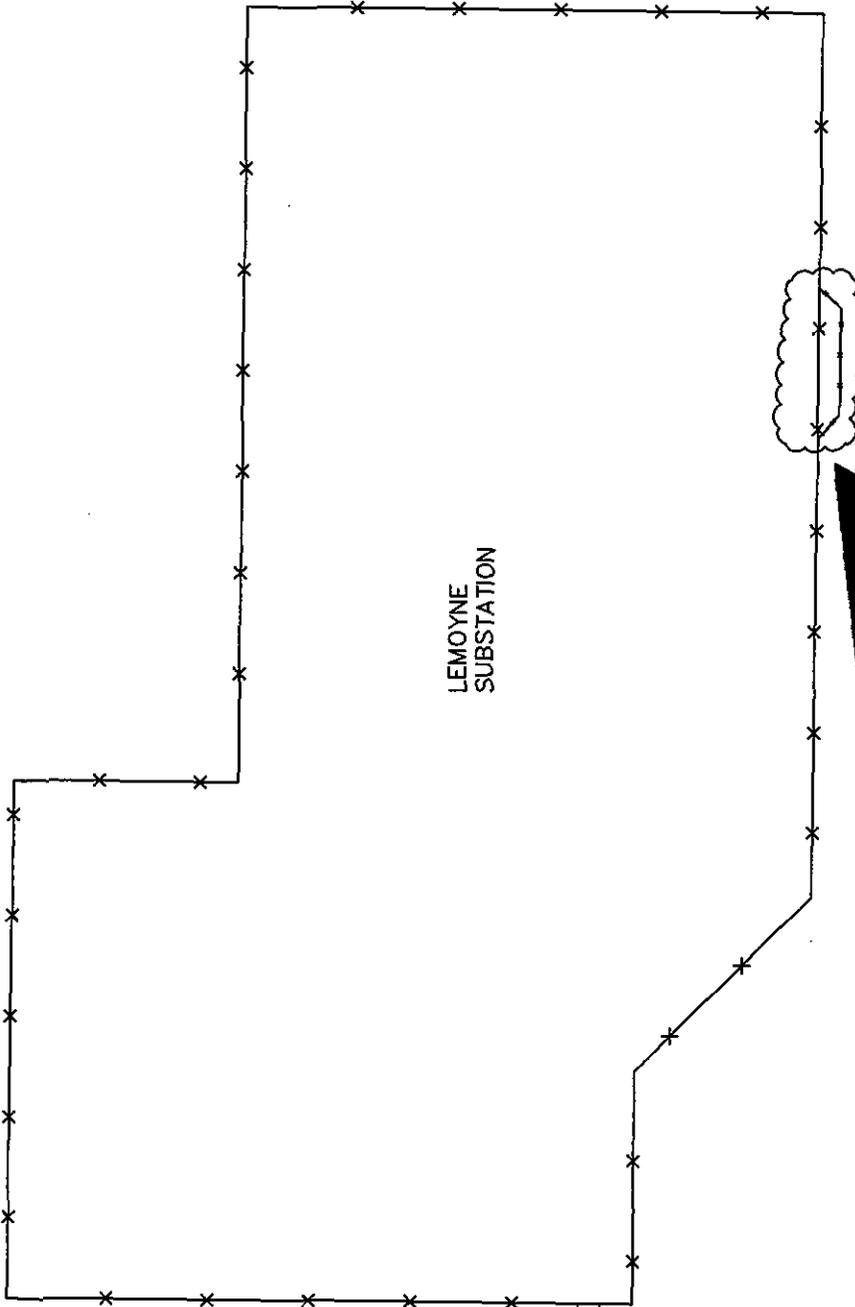
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 www.delorme.com





TROY TOWNSHIP
WOOD COUNTY
OHIO

LEMOYNE
SUBSTATION



PEMBERVILLE ROAD

ATSI

American Transmission Systems, Inc.
a subsidiary of FirstEnergy Corp.

LEMOYNE SUBSTATION
EXPANSION PROJECT

GENERAL LAYOUT

EXHIBIT 2

