

June 17, 2014

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

Construction Notice
Avon-Fowles 138 kV Transmission Lines
Dual Tap to Bentley Substation Project
Case No. 14-1085-EL-BNR

RECEIVED-DOCKETING DIV
2014 JUN 18 PM 3:04
PUCO

Dear Ms. McNeal:

In accordance with Administrative Code Rule 4906-01-11, American Transmission Systems, Inc. ("ATSI"), a FirstEnergy company, transmits one (1) original and eleven (11) copies of the enclosed Construction Notice for the above captioned Project. In this project, ATSI is proposing to extend the existing Avon-Fowles Q1 and Q3 138 kV Transmission Lines as a dual tap approximately 44 feet (0.008 mile) to the Bentley Substation. As part of the Project, one (1) new 3-pole steel structure will be installed. The Project area is located in the City of Avon, Lorain 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:

Avon-Fowles Q1 and Q3 138 kV Transmission Lines Dual Tap to Bentley Substation Project.

c) Location of proposed facilities:

The Project area is located in the City of Avon, Lorain County, Ohio.

d) Description of proposed facilities:

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The project involves extending the existing Avon-Fowles Q1 and Q3 138 kV Transmission Lines as a dual tap approximately 44 feet (0.008 mile) to the Bentley Substation. The Project area is located in the City of Avon, Lorain County, Ohio.

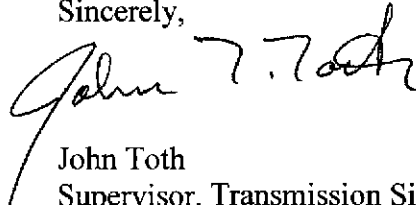
e) Applicant's representative:

John Toth
Supervisor, Transmission Siting
Energy Delivery Transmission and Substation Design
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 the City of Avon and Lorain 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) 384-4564.

Sincerely,

A handwritten signature in black ink that reads "John Toth". The signature is written in a cursive style with a large, stylized "J" and "T".

John Toth
Supervisor, Transmission Siting
Energy Delivery Transmission &
Substation Design
FirstEnergy Service Company

Attachments

FILE

**AMERICAN TRANSMISSION SYSTEMS, INCORPORATED
A FIRSTENERGY COMPANY**

CONSTRUCTION NOTICE

**AVON-FOWLES Q1 and Q3 138 kV
TRANSMISSION LINES DUAL TAP TO BENTLEY
SUBSTATION PROJECT**

OPSB CASE NO.: 14-1085-EL-BNR

June 17, 2014

RECEIVED-BOOKETING DIV

2014 JUN 18 PM 3:06

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

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**CONSTRUCTION NOTICE
AVON-FOWLES Q1 AND Q3 138 kV TRANSMISSION LINES
DUAL TAP TO BENTLEY SUBSTATION PROJECT**

The following information is being provided in accordance with the procedures in Ohio Administrative Code Rule 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: Avon-Fowles Q1 and Q3 138 kV Transmission Lines Dual Tap to Bentley Substation Project ("Project").

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

In this Project, American Transmission Systems, Incorporated ("ATSI"), a FirstEnergy company, is proposing to extend the existing Avon-Fowles Q1 and Q3 138 kV Transmission Lines as a dual tap approximately 44 feet (0.008 mile) to the site of the new Bentley Substation.

The new transmission line construction will extend from ATSI's existing Avon-Fowles Q1 and Q3 138 kV Transmission Lines as a dual tap to the Bentley Substation. As part of the Project, one (1) new 3-pole steel structure will be installed. The general location of the Project is shown in Exhibit 1. The general layout is shown in Exhibit 2. The proposed typical pole structure is shown in Exhibit 3. The new transmission line tap and associated structure will be owned and operated by ATSI. The Project is located in the City of Avon, Lorain County, Ohio.

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

The Project meets the requirements for a Construction Notice because the Project is within the types of projects defined by Item (1)(c) of the Interim Application Requirement Matrix for Electric Power Transmission Lines in the Finding and Order

issued on September 4, 2012 in Case No. 12-1981-GE-BRO, which modified Appendix A of Rule 4906-1-01 of the Ohio Administrative Code. This item states:

(1) Rerouting or extension or new construction of single or multiple circuit electric power transmission(s) as follows:

(c) Line(s) one hundred twenty-five kV and above, and less than three hundred kV, and not greater than 0.2 miles in length.

The proposed Project extends the existing Avon-Fowles 138 kV Transmission Line approximately 44 feet (0.008 mile) to the Bentley 138/13.2 kV Substation.

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

The Avon-Fowles Q1 and Q3 138 kV Transmission Lines Dual Tap to Bentley Substation Project is needed to provide the energy supply to the new distribution substation that will be known as the Bentley Substation. The new Bentley Substation will have 138 kV to 13 kV transformation and is primarily needed to provide load relief to existing distribution substations and to provide capacity for the planned and future load growth in the area and associated with the new I-90 Lear-Nagle freeway exit. The existing distribution substations that supply the Cities of Avon and Avon Lake will reach their operational capacity in 2015 which greatly increases the risk of transformer failure and prolonged outages. This, along with continued local development and load growth, requires the installation of the new distribution substation. This Project is needed to supply this new distribution substation.

The new distribution substation needs to be installed to provide load relief to the existing distribution substations and maintain reliable electric service to these cities.

The new substation needs to be supplied from the transmission system which requires the site to be located close to the existing transmission lines. The site chosen for the new distribution substation minimizes the need for new transmission lines and association facilities to the 44 feet requested in this Construction Notice.

The site of the new distribution substation, the Bentley Substation, also is located in an area that is already heavily developed which will further minimize any impacts from the construction of the new distribution substation and this Project. Alternative sites for the distribution substation that are within suitable proximity to the existing Transmission Line corridor are not readily available, and do not support the required in-service date. The location of the site is optimal to provide the necessary load relief and to supply existing and new distribution circuits, as well as allowing for future load growth.

The new distribution substation supplied by the Project will support the reliable delivery of electricity to over 5,000 residential, commercial and light industrial customers in these communities. It will also provide capacity for continued and future load growth that is planned for the area that includes the new I-90 Lear-Nagle freeway exit.

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

Construction of the project is expected to begin as early as October 1, 2014 and be completed by April 30, 2015.

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

The following is the estimated capital cost for the Project:

Estimated Cost	\$386,000
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4906-11-02 (B) (6): Operating Characteristics

The transmission line construction will have the following characteristics:

Voltage:	138 kV
Conductors:	954 ACSR
Static wire:	7#8 Alumoweld Shield Wire
Insulators:	Polymer
Structure Types:	Exhibit 3: 3-Pole Tap Structure

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

Exhibit 1 depicts the general location of the Project. This exhibit provides a partial copy of the United States Geologic Survey, North Olmsted, Ohio Quad, Map ID 41081-D8. To locate and view the project site from the Columbus, Ohio area, travel east on I-71 North for approximately 95 miles. Take exit 204 for OH-83 toward Lodi/Wooster. Turn left onto OH-83 N/Avon Lake Road and travel for approximately 3 miles. Turn right onto Bank Street then take the immediate left onto Elyria Street, and travel for approximately half a mile. Continue on OH-83 N/Avon Lake Road, and at the traffic circle stay straight to continue on OH-83 N/Avon Lake Road for approximately 17.5 miles. Turn right onto Mills Road, and take the second left (approximately in a half a mile) onto Jaycox Road and travel for approximately 1.5 miles. Turn left to stay on Jaycox Road, and the site of the Bentley Substation will be on the left after approximately 2.5 miles.

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

This Project is located on existing right-of-way. No new easements or right-of-way for the transmission structures will need to be acquired.

Property Address	Property Owner	Easement Status
Jaycox Road, Avon, OH 44011	Cleveland Electric Illuminating Co.	Owned in Fee

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

This Construction Notice is being provided concurrently with filing to the following officials of the City of Avon, and Lorain County, Ohio:

Lorain County

Mr. Ted Kalo, President
Lorain County Commissioners
226 Middle Avenue, Fourth Floor
Elyria, OH 44035

Ms. Lori Kokoski, Vice President
Lorain County Commissioners
226 Middle Avenue, Fourth Floor
Elyria, OH 44035

Mr. Tom Williams
Lorain County Commissioners
226 Middle Avenue, Fourth Floor
Elyria, OH 44035

Mr. Ken Carney, P.E., P.S.
Lorain County Engineer
247 Hadaway Street
Elyria, OH 44035

City of Avon

Honorable Bryan Jensen
Mayor, City of Avon
36080 Chester Road
Avon, OH 44011

Jim Piazza
Planning Coordinator
36080 Chester Road
Avon, OH 44011

Craig Witherspoon, President
Avon City Council
36080 Chester Road
Avon, OH 44011

Robert Knopf
City of Avon Engineer
36080 Chester Road
Avon, OH 4401

Copies of the transmittal letters to these officials are included with this Construction Notice.