

76 South Main St. Akron, Ohio 44308



#### 2008 FEB 27 AMII: 01

1-800-646-0400

PUCO

February 27, 2008

Ms. Rence J. Jenkins
Director, Administration Department
Secretary to the Commission
Docketing Division
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, OH 43215-3793

## Letter of Notification Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation <u>Case No. 08-180-EL-BLN</u>

Dear Ms. Jenkins:

In accordance with Rule 4906-11-01 American Transmission Systems, Incorporated ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corporation, transmits one (1) original and eleven (11) copies of the enclosed Letter of Notification for the above captioned project. In this project, ATSI and TE are proposing to install a single radial 138 kV transmission line tap from its existing Allen Junction-Westgate 138 kV transmission line to a new customer owned substation. The proposed tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in City of Sylvania, Lucas County, Ohio.

Please be advised of the following:

a) Name and address of the applicants:

American Transmission Systems, Incorporated

76 South Main Street Akron, Ohio 44308

The Toledo Edison Company

76 South Main Street Akron, Ohio 44308

b) Name of proposed facilities:

Allen Junction-Westgate 138 kV Transmission Line Tap To

The Flower Hospital Substation

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 And Date Processed 2/27/08

c) Location of proposed facilities:

The Project is located near the intersection of Monroe Street and Harroun Road in City of Sylvania, Lucas County, Ohio.

d) Description of proposed facilities:

The Project involves installing an approximately 0.63 mile long single circuit radial 138 kV transmission line tap, with two switches, from ATSI's existing Allen Junction-Westgate 138 kV transmission line to a new substation being installed at Flower Hospital, Sylvania, Ohio

e) Applicant's representative:

John T. Toth, Associate Transmission Engineer 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 Letter of Notification for our records to us in the enclosed envelope. We have provided a copy of this Letter of Notification by certified mail, with return receipt requested, to each official 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 Sylvania and Lucas 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,

John T. Toth, Associate Transmission Engineer

John 7. Took

Energy Delivery Technical Services

FirstEnergy Service Company

#### **EXHIBIT 1: OFFICIALS SERVED COPY OF LON**

### Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation

Case No. 08- -EL-BLN

#### **Lucas County**

Ms. Tina Skeldon Wozniak Commissioner, Lucas County One Government Center, Suite 800 Toledo, Ohio 43604-2259

Mr. Pete Gerken Commissioner, Lucas County One Government Center, Suite 800 Toledo, Ohio 43604-2259

Mr. Ben Konop Commissioner, Lucas County One Government Center, Suite 800 Toledo, Ohio 43604-2259

Ms. Jody Balogh Clerk, Board of Commissioners One Government Center, Suite 800 Toledo, Ohio 43604-2259 Mr. Stephen J. Herwat, Director Toledo-Lucas County Planning Commission One Government Center, Suite 1670 Toledo, Ohio 43604-2259

Mr. James B. Spengler, Director Metropolitan Park District of Toledo Area 5100 West Central Avenue Toledo, Ohio 43615-2100

Mr. Keith G. Earley, P.E., P.S. Lucas County Engineer One Government Center, Suite 870 Toledo, Ohio 43604-2259

#### City of Sylvania

Mr. Graig A. Stough Mayor, City of Sylvania 6730 Monroe Street Sylvania, Ohio 43560-1948

Ms. Margaret T. Lintner Clerk of Council, City of Sylvania 6730 Monroe Street Sylvania, Ohio 43560-1948 Ms. Barbara Sears President of Council, City of Sylvania 6730 Monroe Street Sylvania, Ohio 43560-1948

Mr. Robert Solt, III Chairman, Municipal Planning Commission 6730 Monroe Street Sylvania, Ohio 43560-1948



February 27, 2008<sup>1-800-646-0400</sup>

The Honorable Tina Skeldon Wozniak Lucas County Commissioner One Government Center, Suite 800 Toledo, OH. 43604-2259

#### Letter of Notification Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation Case No. 08--EL-BLN

Dear Commissioner Wozniak,

In the above captioned project, American Transmission Systems, Inc. ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, radial transmission line tap from ATSI's existing Allen Junction-Westgate transmission line to a new customer owned substation. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to the new Flower Hospital Substation which is being installed on the Flower Hospital property. The proposed transmission line tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

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 Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-4564.

Sincerely,

John Toth, Associate Transmission Engineer

Energy Delivery Technical Services

FirstEnergy Service Company



The Honorable Pete Gerken Lucas County Commissioner One Government Center, Suite 800 Toledo, OH. 43604-2259

### Letter of Notification Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation Case No. 08- \_\_\_-EL-BLN

Dear Commissioner Gerken,

In the above captioned project, American Transmission Systems, Inc. ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, radial transmission line tap from ATSI's existing Allen Junction-Westgate transmission line to a new customer owned substation. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to the new Flower Hospital Substation which is being installed on the Flower Hospital property. The proposed transmission line tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

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 Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-4564.

Sincerely,

John Toth, Associate Transmission Engineer Energy Delivery Technical Services

FirstEnergy Service Company

Tolum Took



February 27, 2008<sup>-800-646-0400</sup>

The Honorable Ben Konop Lucas County Commissioner One Government Center, Suite 800 Toledo, OH. 43604-2259

Letter of Notification
Allen Junction-Westgate 138 kV Transmission Line Tap To
The Flower Hospital Substation
Case No. 08- -EL-BLN

Dear Commissioner Konop,

In the above captioned project, American Transmission Systems, Inc. ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, radial transmission line tap from ATSI's existing Allen Junction-Westgate transmission line to a new customer owned substation. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to the new Flower Hospital Substation which is being installed on the Flower Hospital property. The proposed transmission line tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

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 Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-4564.

Sincerely,

John Toth, Associate Transmission Engineer Energy Delivery Technical Services

FirstEnergy Service Company

Tolu Tash



February 27, 2008<sup>1-800-646-0400</sup>

Ms. Jody Balogh Clerk, Board of Commissioners Lucas County Commissioner One Government Center, Suite 800 Toledo, OH. 43604-2259

### Letter of Notification Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation Case No. 08 -EL-BLN

Dear Ms. Balogh,

In the above captioned project, American Transmission Systems, Inc. ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, radial transmission line tap from ATSI's existing Allen Junction-Westgate transmission line to a new customer owned substation. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to the new Flower Hospital Substation which is being installed on the Flower Hospital property. The proposed transmission line tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

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 Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-4564.

Sincerely,

John Toth, Associate Transmission Engineer Energy Delivery Technical Services

olun Took

FirstEnergy Service Company



Mr. Stephen J. Herwat, Director Toledo-Lucas County Planning Commission Lucas County Commissioner One Government Center, Suite 1670 Toledo, OH. 43604-2259

Letter of Notification
Allen Junction-Westgate 138 kV Transmission Line Tap To
The Flower Hospital Substation
Case No. 08-EL-BLN

Dear Mr. Herwat,

In the above captioned project, American Transmission Systems, Inc. ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, radial transmission line tap from ATSI's existing Allen Junction-Westgate transmission line to a new customer owned substation. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to the new Flower Hospital Substation which is being installed on the Flower Hospital property. The proposed transmission line tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

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 Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-4564.

Sincerely,

John Toth, Associate Transmission Engineer Energy Delivery Technical Services

FirstEnergy Service Company



Mr. James B. Spengler, Director Metropolitan Park District of Toledo Area 5100 West Central Avenue Toledo, Ohio 43615-2259

### Letter of Notification Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation Case No. 08- -EL-BLN

Dear Mr. Spengler,

In the above captioned project, American Transmission Systems, Inc. ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, radial transmission line tap from ATSI's existing Allen Junction-Westgate transmission line to a new customer owned substation. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to the new Flower Hospital Substation which is being installed on the Flower Hospital property. The proposed transmission line tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

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 Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-4564

Sincerely,

John Toth, Associate Transmission Engineer Energy Delivery Technical Services

FirstEnergy Service Company



Mr. Keith G. Earley, P.E., P.S. Lucas County Engineer Lucas County Commissioner One Government Center, Suite 870 Toledo, OH. 43604-2259

Letter of Notification

Allen Junction-Westgate 138 kV Transmission Line Tap To

The Flower Hospital Substation

Case No. 08- -EL-BLN

Dear Mr. Earley,

In the above captioned project, American Transmission Systems, Inc. ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, radial transmission line tap from ATSI's existing Allen Junction-Westgate transmission line to a new customer owned substation. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to the new Flower Hospital Substation which is being installed on the Flower Hospital property. The proposed transmission line tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

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 Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-4564.

Sincerely,

John Toth, Associate Transmission Engineer Energy Delivery Technical Services

FirstEnergy Service Company

The Honorable Graig A. Stough Mayor, City of Sylvania 6730 Monroe Street Sylvania, Ohio 43560-1948

## Letter of Notification Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation Case No. 08- -EL-BLN

Dear Mayor Stough,

In the above captioned project, American Transmission Systems, Inc. ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, radial transmission line tap from ATSI's existing Allen Junction-Westgate transmission line to a new customer owned substation. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to the new Flower Hospital Substation which is being installed on the Flower Hospital property. The proposed transmission line tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

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 Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-4564.

Sincerely,

John Toth, Associate Transmission Engineer Energy Delivery Technical Services

John Tark

FirstEnergy Service Company



Ms. Barbara Sears President of Council, City of Sylvania 6730 Monroe Street Sylvania, Ohio 43560-1948

## Letter of Notification Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation Case No. 08- -EL-BLN

Dear Ms. Sears,

In the above captioned project, American Transmission Systems, Inc. ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, radial transmission line tap from ATSI's existing Allen Junction-Westgate transmission line to a new customer owned substation. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to the new Flower Hospital Substation which is being installed on the Flower Hospital property. The proposed transmission line tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

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 Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-4564.

Sincerely,

John Toth, Associate Transmission Engineer Energy Delivery Technical Services

John Took

FirstEnergy Service Company



January 28, 2008<sup>1-800-646-0400</sup>

Ms. Margaret T. Lintner Clerk of Council, City of Sylvania 6730 Monroe Street Sylvania, Ohio 43560-1948

## Letter of Notification Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation Case No. 08- -EL-BLN

Dear Ms. Lintner,

In the above captioned project, American Transmission Systems, Inc. ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, radial transmission line tap from ATSI's existing Allen Junction-Westgate transmission line to a new customer owned substation. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to the new Flower Hospital Substation which is being installed on the Flower Hospital property. The proposed transmission line tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

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 Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-4564.

Sincerely,

John Toth, Associate Transmission Engineer Energy Delivery Technical Services FirstEnergy Service Company

olin Taske



Mr. Robert Solt, III Chairman, Municipal Planning Commission 6730 Monroe Street Sylvania, Ohio 43560-1948

## Letter of Notification Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation Case No. 08 -EL-BLN

Dear Mr. Solt,

In the above captioned project, American Transmission Systems, Inc. ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, radial transmission line tap from ATSI's existing Allen Junction-Westgate transmission line to a new customer owned substation. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to the new Flower Hospital Substation which is being installed on the Flower Hospital property. The proposed transmission line tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

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 Letter of Notification ("LON"). Therefore, in compliance with OAC 4906-11-01 of the OPSB's Rules and Regulations, we have prepared and filed the attached LON with the OPSB for their review and approval. The LON contains a description of the project, and is provided for your information.

I will be happy to answer your questions concerning this matter. You can contact me at (330) 384-4564.

Sincerely,

John Toth, Associate Transmission Engineer Energy Delivery Technical Services FirstEnergy Service Company

John Took

# AMERICAN TRANSMISSION SYSTEMS, INCORPORATED AND THE TOLEDO EDISON COMPANY, SUBSIDIARIES OF FIRSTENERGY CORP.

#### LETTER OF NOTIFICATION

#### ALLEN JUNCTION-WESTGATE 138 kV TRANSMISSION LINE TAP TO THE FLOWER HOSPITAL SUBSTATION

February 27, 2008

American Transmission Systems, Incorporated
76 South Main Street
Akron, Ohio 44308
and
The Toledo Edison Company
76 South Main Street
Akron, Ohio 44308

### LETTER OF NOTIFICATION ALLEN JUNCTION-WESTGATE 138 kV TRANSMISSION LINE TAP TO THE FLOWER HOSPITAL SUBSTATION

The following information is being provided in accordance with the procedures delineated in Ohio Administrative Code Section 4906-11-01: <u>Letter of Notification Requirements</u> of the Rules and Regulations of the Ohio Power Siting Board.

#### 4906-11-01 (A) (1): a. Name and Reference Number

Name of Project: Allen Junction-Westgate 138 kV Transmission Line Tap to

the Flower Hospital Substation Project ("Project")

2007 LTFR Reference: This Project is not identified in FirstEnergy Corp.'s 2007

Electric Long-Term Forecast Report ("LTFR") submitted to

the Public Utility Commission of Ohio in Case Number

07-0504-EL-FOR.

#### 4906-11-01 (A) (1): b. Brief Description of Project

In the Allen Junction-Westgate 138 kV Transmission Line Tap to the Flower Hospital Substation Project, American Transmission Systems, Incorporated ("ATSI") and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corp., are proposing to install an approximately 3,325 feet (0.63 mile) long, single circuit radial transmission line tap. The transmission line tap will extend from the existing Allen Junction-Westgate 138 kV transmission line to a new substation being installed at the Flower Hospital's Sylvania Ohio site. The Project is located near the intersection of Monroe Street and Harroun Road in the City of Sylvania, Lucas County, Ohio.

The general location of the Project is shown in Exhibit 1, which is a partial compiled copy of the United States Geologic Survey, Lucas County, Ohio Quad Maps, ID number 41083-F6. Exhibit 2 shows the general layout of the proposed Project. The

existing Allen Junction-Westgate 138 kV transmission line trends west to east in the Project area and is located on the north side of Monroe Street on wood poles.

The proposed Allen Junction-Westgate 138 kV Transmission Line Tap to the Flower Hospital Substation begins at the Allen Junction-Westgate 138 kV transmission line at the intersection of Monroe Street and Harroun Road. From the tap point, the transmission line tap trends to the south for approximately 1,075 feet, along the west side of Harroun Road. The transmission line will then cross Harroun Road and extend to the east approximately 1,325 feet. It then extends south east for approximately 925 feet to the new customer owned Flower Hospital substation site. The design of the Project will include provisions for the installation of a distribution circuit on the transmission line poles along the west side of Harroun Road.

The tap structure, shown in exhibit 3, and the switch structures, shown in exhibit 4, will be located on the north side of Monroe Street, near the intersection of Harroun Road. Straight sections of the transmission line tap will be supported on single wood poles shown in Exhibit 5, with distribution underbuild as needed. The guyed wood poles, shown in Exhibits 6 and 7 will be installed at the angles in the line, with distribution underbuild as needed. Exhibit 8 depicts a guyed wood pole corner deadend structure that will be installed where the transmission line tap crosses Harroun Road to Flower Hospital property. Exhibit 5 also shows the tangent structure for making the connection to the new Flower Hospital Substation.

New right-of-way for the Project will be obtained for the first 275 feet on the west side of Harroun Road, south of Monroe Street. For the next 800 feet along Harroun Road, the project will be located in a transportation and utility corridor designated by the City of Sylvania that is part of the road right of way. Once the new tap crosses to the east of Harroun Road, the tap will be on Flower Hospital owned property. ATSI owns the existing Allen Junction-Westgate 138 kV transmission line and will own the new tap, switch structures and hardware at the tap location. Toledo Edison will own the transmission line tap extending to the Flower Hospital substation.

The new Flower Hospital substation will be owned by the Flower Hospital.

#### 4906-11-01 (A) (1): c. Need for the Project

The proposed Project is needed to supply electrical energy to the new Flower Hospital substation. The new substation is needed because Flower Hospital's load growth is beyond the capacity of Toledo Edison's local electric distribution system.

### 4906-11-01 (A) (1): d. Why the Project Meets the Requirements for a Letter of Notification

The Project meets the requirements for a Letter of Notification because the Project is within the types of project defined by Items (1)(c) and (4)(a) of the Application Requirement Matrix for Electric Power Transmission Lines in Appendix A of 4906-1-01 of the Ohio Administrative Code. These items state:

- (1) Rerouting or extension or new construction of single or multiple circuit electric power transmission line(s) as follows:
  - (c) Line(s) one hundred twenty-five kiloVolts and above but less than three hundred kilovolts, and not greater than two miles in length.
- (4) Replacing electric power transmission line structure(s) with a different type of structure(s) or adding structure(s) within an existing electric power transmission line and:
  - (a) Two miles or less of new right-of-way required.

The proposed Project is an approximately 0.63 mile long single-circuit 138 kV transmission line tap and will replace three structures along Monroe Street to accommodate the tap and switch structures.

#### 4906-11-01 (A) (2): Location Relative to Existing or Proposed Lines

The location of the Project relative to ATSI's existing transmission system is shown in Exhibit No. 11. Exhibit No.11 (which is not attached to the LON) is the FirstEnergy Geographic – West (CEI, OE, PP,TE) Map, included as the last map in Chapter 3 of the confidential portion of FirstEnergy's 2007 Electric Long-Term Forecast Report

submitted to the PUCO under rules 4901:5-5:04 (C) of the Ohio Administrative Code, and is incorporated by reference only. This map shows ATSI's 345 kV and 138 kV transmission lines and transmission substations, including the location of the Allen Junction-Westgate 138 kV transmission line. The Project area is located on Map 4 (8-1/2 by 11 inch printed version) approximately 10-15/16 inches from the right edge of the map box and 7-1/2 inches from the bottom edge of the map box. The general location of the Project is shown in Exhibit 1, which is a partial compiled copy of the United States Geologic Survey, Lucas County, Ohio Quad Maps, ID number 41083-F6. Exhibit 2 shows the general arrangement of the proposed Project. The details of the new transmission line structures are shown on exhibits 3 to 8.

#### 4906-11-01 (A) (3): Alternatives Considered

No other significant alternatives to the proposed Project have been identified. The proposed Project minimizes adverse environmental impacts as well as impacts to nearby residential and park areas to the extent possible, considering the state of available technology and the nature and economics of the various alternatives.

#### 4906-11-01 (A) (4): Construction Schedule

Construction on the Project is expected to begin on approximately June 1, 2008 and is expected to be completed and placed in-service by October 1, 2008.

#### 4906-11-01 (A) (5): Area Map

Exhibit No. 1 is a map depicting the general location of the project site. To locate and view the project site from the Columbus, Ohio area, travel onto US-23 towards I-70 / I-71. Exit Interstate 70 at exit 93 onto I-270 towards Cleveland. At exit 17B travel onto US-33 for 17 miles towards OH-31for approximately 30.3 miles. Turn onto SR-309, then immediately turn north onto US-68 for approximately 29.0 miles to I-75. At exit 192 turn onto I-475 towards US-23 Maumee for approximately 0.9 miles. Road name changes to US-223 for approximately 1.1 mile. Take ramp onto Monroe Street, North-West, for approximately 0.5 miles. Turn left onto Harroun Road. The Project

area is located on the right for the first approximately 775 feet. The project area then crosses Harroun Road, east, onto Flower Hospital's property.

#### 4906-11-01 (B): Technical Features of the Project

#### 4906-11-01 (B) (1): Operating Characteristics

The new transmission line tap, similar to the existing Allen Junction-Westgate 138 kV transmission line, will be designed and constructed for 138 kV operation. The transmission line tap has the following characteristics:

Voltage:

138 kV

Conductor:

336.4 kcmil 26/7 ACSR

Static wire:

3 #6 Alumoweld

Insulators:

Polymer Dead-end and Horizontal Post

Structure types:

Exhibit No. 3 – Tap Pole

Exhibit No. 4 – Switch Structures
Exhibit No. 5 – Tangent Poles
Exhibit No. 6 – Light Angle Poles
Exhibit No. 7 – Medium Angle Poles

Exhibit No. 8 – Corner Dead End Poles

#### 4906-11-01 (B) (2) (a): Calculated Electric and Magnetic Fields

The following table itemizes the line loading of the transmission line tap. The normal line loading is based on the normal load to be served from the Flower Hospital substation. The emergency loading is based on the emergency load rating of the Flower Hospital substation 138/12.47 kV transformer. The winter rating is based on the continuous maximum conductor ratings (MCR) of the circuits for an ambient temperature of zero degrees centigrade (32 deg. F), wind speed of 1.3 miles per hour, and a circuit design operating temperature of 100 degrees centigrade (212 deg. F).

Line Name	Normal Loading	Emergency	Winter Rating
	Amps	Loading Amps	Amps
Allen Junction-Westgate 138 kV Transmission Line Tap to Flower Hospital Substation	23	75	754

The following EMF calculations were performed using the EPRI EXPOCALC program software. This program software assumes the input transmission line

configuration is located on flat terrain. Also, a balanced, three-phase circuit loading is assumed for the transmission circuits. The conductor arrangement modeled for the transmission line tap is based on the conductor arrangement at the typical tangent poles, shown in Exhibit 5, with a minimum assumed ground clearance of 26 feet in a 60 foot wide right-of-way. Effects from the existing transmission lines and substation facilities are not included in the model. The potential on a future distribution circuit has been included in the model with an assumed 450 amp loading.

EMF	CALCULATIONS	Electric Field kV/meter	Magnetic Field mGauss
Normal Loading	Under Lowest Conductors	1.21	2.32
	At Right-of-Way Edges	0.25/0.29	0.65/0.55
Emergency Loading	Under Lowest Conductors	1.21	7.55
	At Right-of-Way Edges	0.25/0.29	2.06/1.79
Winter Rating	Under Lowest Conductors	1.21	75.94
	At Right-of-Way Edges	0.25/0.29	20.4/18.60

#### 4906-11-01 (B) (2) (b): EMF Discussion

#### Background Information

Electric and magnetic fields (EMFs) are naturally occurring in the environment and can be found in the Earth's interior and in the human body. EMFs are generated essentially anywhere there is a flow of electricity, including electrical appliances and power equipment. Electric fields are associated with the voltage of the source; magnetic fields are associated with the flow of current in a wire. The strength of these fields decreases rapidly with distance from the source. EMFs associated with electricity use are not disruptive to cells like x-rays or ultraviolet rays from the sun. These fields are thought to be too weak to break molecules or chemical bonds in cells. Extensive research has been conducted over the past three decades to determine whether EMFs are associated with adverse health effects. A number of independent scientific panels have reviewed the research and have stated that there is no basis to conclude that EMF's cause adverse health effects nor has it been shown that levels in everyday life are harmful.

#### Recent Developments

As a part of the National Energy Policy Act of 1992, the Electric and Magnetic Fields Research and Public Information Dissemination (EMF RAPID) program was initiated within the five-year effort under the National EMF Research Program. The culmination of this five-year effort resulted in a final RAPID Working Group report, which was released for public review in August 1998. The Director of the National Institutes of Environmental Health Sciences (NIEHS) then prepared a final report to Congress after receiving public comments.

The NIEHS' Director's final report, released to Congress on May 4, 1999, concluded that extremely low frequency electric and magnetic fields (ELF-EMF) exposure cannot be recognized at this time as entirely safe because of weak scientific evidence that exposure may pose a leukemia hazard. The Director further stated that the conclusion of this report is insufficient to warrant aggressive regulatory concern. The results of more recent studies continue to provide varied results and have not significantly advanced or eliminated EMF related health concerns.

#### Sources for Additional Information

The following websites sponsored by federal agencies or other organizations provide additional information on EMF:

- Centers for Disease Control/National Institute for Occupational Safety and Health: http://www.cdc.gov/niosh/topics/emf/
- National Institute of Environmental Health Sciences (NIEHS) EMF Rapid Program: <a href="http://www.niehs.nih.gov/emfrapid/home.htm">http://www.niehs.nih.gov/emfrapid/home.htm</a>

#### 4906-11-01 (B) (3): Estimated Costs

The estimated capital costs by FERC Accounts for the proposed Project are:

Account	Cost
350 Land Rights 355 Poles and Fixtures	\$ 80,000 \$150,000
356 Overhead Conductors & Devices	\$180,000
Total	\$410,000

#### 4906-11-01 C: Socioeconomic Data

#### 4906-11-01 (C) (1): Land Use

The existing land use at the area of the proposed transmission line project is primarily commercial. To the immediate north of the proposed tap location is a cemetery. The west side of Harroun Road has several commercial properties and a City of Sylvania park. The City of Sylvania has designated the road right-of-way in front of the park as a transportation and utility corridor. The east side of Harroun Road has a grocery store and the Flower Hospital property. Based on the U.S. Bureau of Census estimates, the 2000 population of the City of Sylvania was 18,670, and the 2000 population of Lucas County was 455,054.

#### 4906-11-01 (C) (2): Agricultural Land

The existing land use in the area of the Project is primarily commercial. There will not be any impact to the agricultural land use.

#### 4906-11-01 (C) (3): Archaeological or Cultural Resources

As part of ATSI's investigation of the project site, a search of the Ohio Historic Preservation Office (OHPO) National Register of Historic Places on-line database was conducted. This search did not identify the existence of any historic sites within the project area. Properties in the OHPO database include all Ohio listings on the National Register of Historic Places as well as districts, sites, buildings, structures, and objects

that are significant in American history, architecture, archeology, engineering, and culture.

#### 4906-11-01 (C) (4) (a): Documentation of Letter of Notification Transmittal

This Letter of Notification is being provided concurrently to the following officials of Marion Township, City of Marion, and Lucas County, Ohio.

#### Lucas County

The Honorable Tina Skeldon Wozniak Lucas County Commissioner One Government Center Suite 800 Toledo, Ohio 43604-2259

The Honorable Pete Gerken Lucas County Commissioner One Government Center Suite 800 Toledo, Ohio 43604-2259

Ms. Jody Balogh Clerk Board of Commissioners One Government Center Suite 800 Toledo, Ohio 43604-2259

Mr. Stephen J. Herwat, Director Toledo-Lucas County Planning Commission One Government Center Suite 1670 Toledo, Ohio 43604-2259 Mr. James B. Spengler, Director Metropolitan Park District of Toledo Area 5100 West Central Avenue Toledo, Ohio 43615-2100

The Honorable Ben Konop Lucas County Commissioner One Government Center Suite 800 Toledo, Ohio 43604-2259

Mr. Keith G. Earley, P.E., P.S. Lucas County Engineer One Government Center Suite 870 Toledo, Ohio 43604-2259

#### City of Sylvania (Lucas County)

The Honorable Craig A. Stough Mayor, City of Sylvania 6730 Monroe Street Sylvania, Ohio 43560-1948

Ms. Margaret T. Lintner Clerk of Council, City of Sylvania 6730 Monroe Street Sylvania, Ohio 43560-1948 Ms. Barbara Sears President of Council, City of Sylvania 6730 Monroe Street Sylvania, Ohio 43560-1948

Mr. Robert Solt, III Chairman, Municipal Planning Commission 6730 Monroe Street Sylvania, Ohio 43560-1948

Copies of the transmittal letters to these officials have been included with the transmittal letter submitting this Letter of Notification to the Ohio Power Siting Board.

#### 4906-11-01 (C) (4) (b): Public Information Program

FirstEnergy's Area Manager will advise local officials of features and the status of the proposed transmission line Project as necessary.

#### 4906-11-01 (C) (5): Current or Pending Litigation

There is no known current or pending litigation involving this Project.

#### 4906-11-01 (C) (6): Local, State, and Federal Requirements

There are no known local, state, or federal requirements that must be met prior to commencement of construction on the proposed transmission line Project.

#### 4906-11-01 (D): Environmental Data

#### 4906-11-01 (D) (1): Endangered, Threatened, and Rare Species Investigation

As part of our investigation, a written request was made with the Ohio Department of Natural Resources (ODNR) on January 31, 2008 to research the presence of any endangered, threatened, or rare species within the project area. The ODNR's response of February 1, 2008, attached as Exhibit No. 9, indicated that there are three areas that

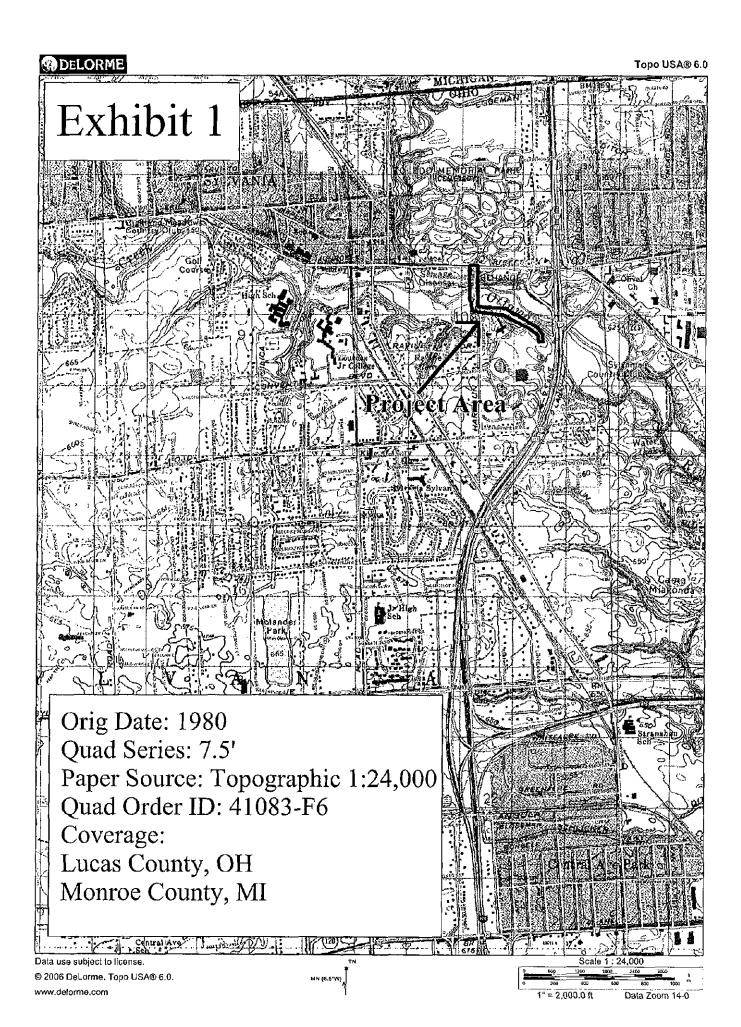
contain threatened or potentially threatened plants within ½ mile of the project area, none within the project foot print, shown in Exhibit No. 10.

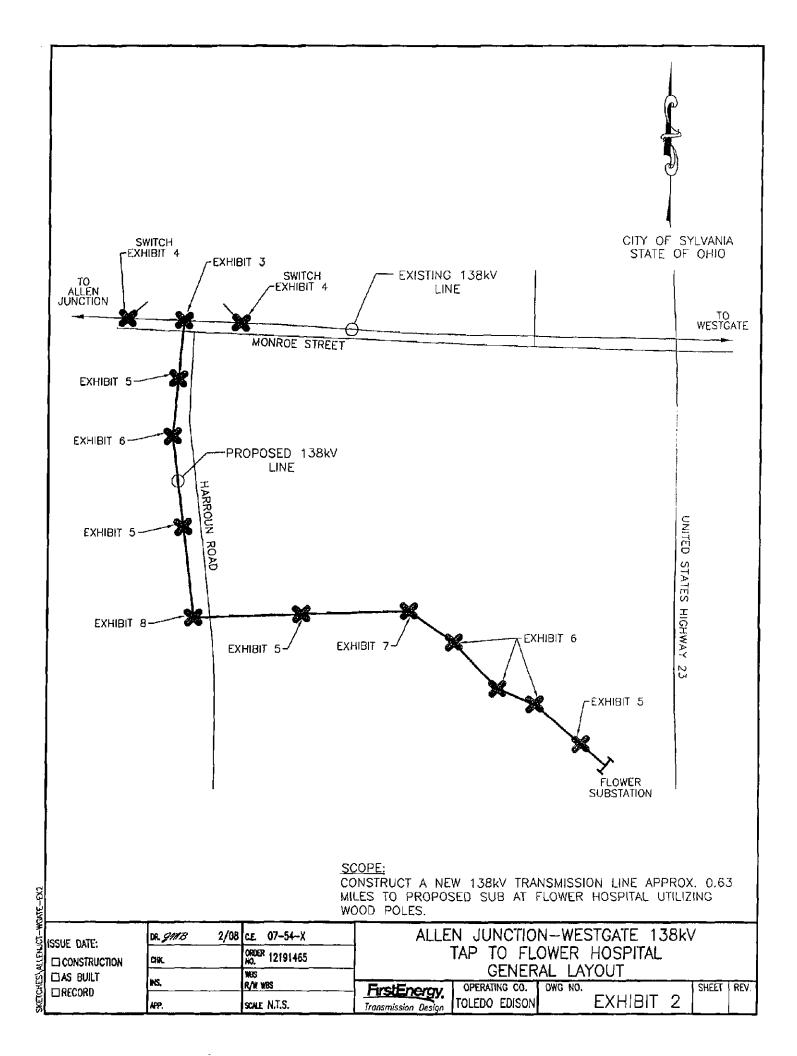
#### 4906-11-01 (D) (2): Areas of Ecological Concern

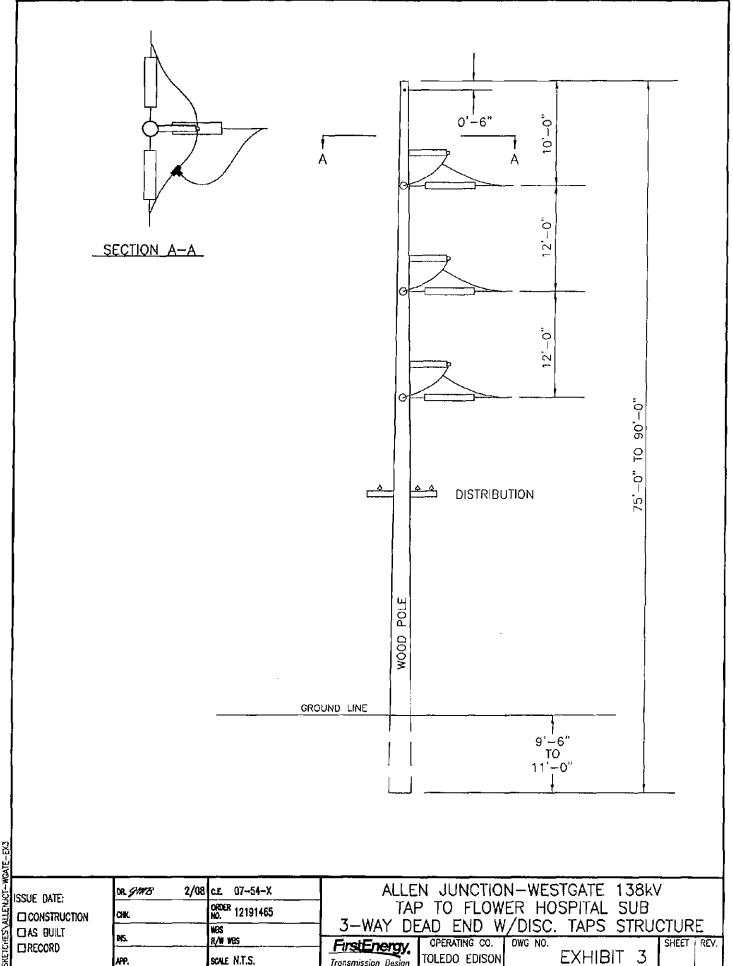
The Project includes a new transmission line crossing of the Ottawa River. Impacts to this area will be minimized to the extent possible by crossing the river at a location where it is currently crossed by existing facilities, and vegetation removal will be minimized to the extent practical. The crossing will be located adjacent to the west side of Harroun Road that crosses the Ottawa River via an Existing road bridge, and will also follow the route of an existing distribution circuit that crosses the Ottawa River at this location. The transmission line tap will be designed for skip-span construction at the Ottawa River crossing. The distribution poles closest to either side of the river bank will remain in place and the next poles in both directions are located well outside the riparian corridor, and will be designed and installed to support both the distribution and the new transmission line. Vegetation along the river bank that is not compatible with the transmission line will be removed above the ground surface with non-mechanized techniques, and the stumps and root structures will not be removed.

#### 4906-11-01 (D) (3): Additional Information

Construction and operation of the proposed Project will be in accordance with the requirements specified in the latest revision of the NESC as adopted by the PUCO and will meet all applicable safety standards established by OSHA.



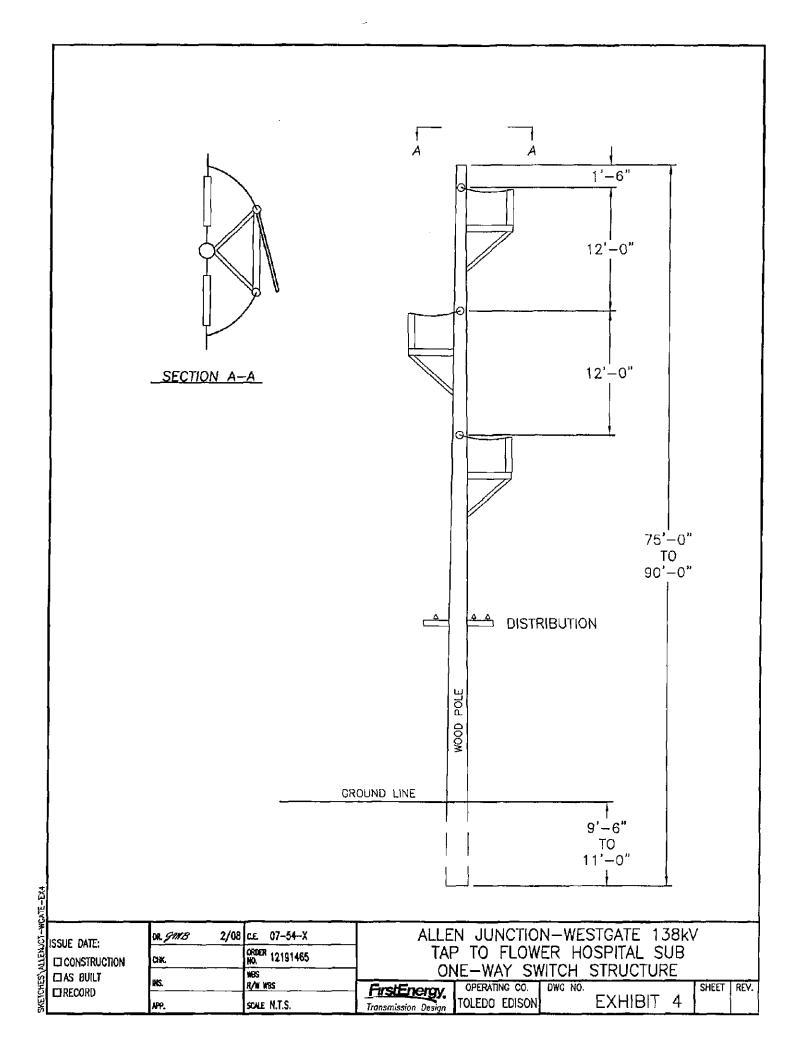


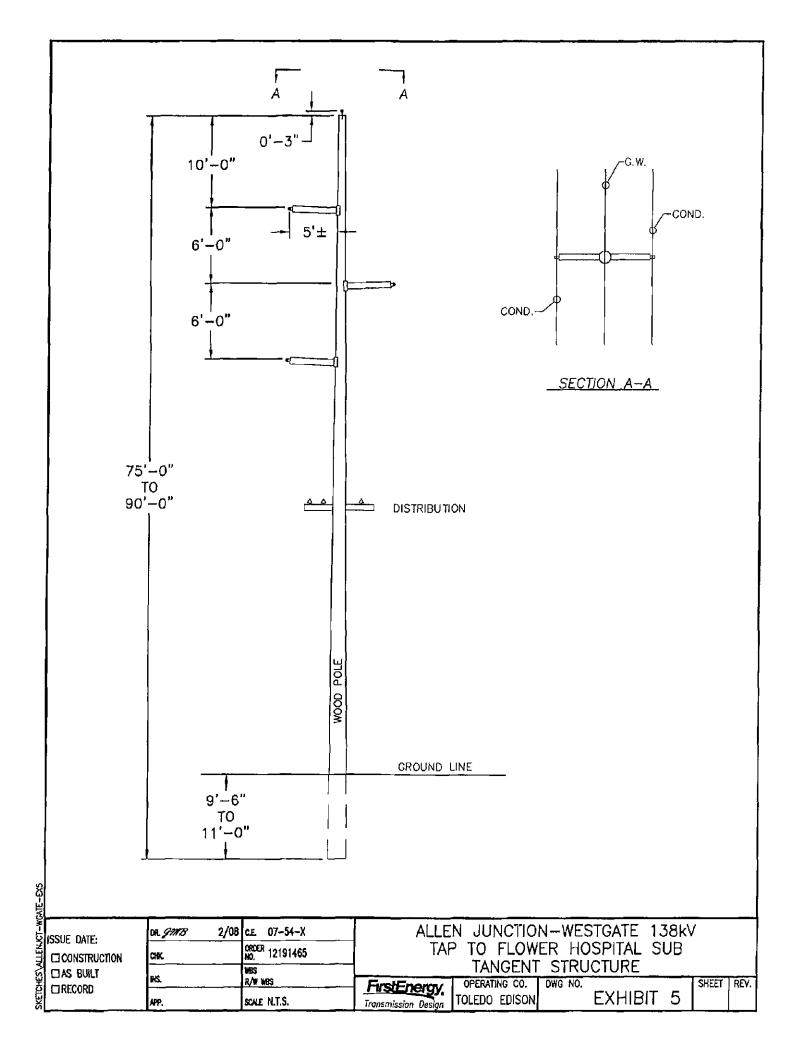


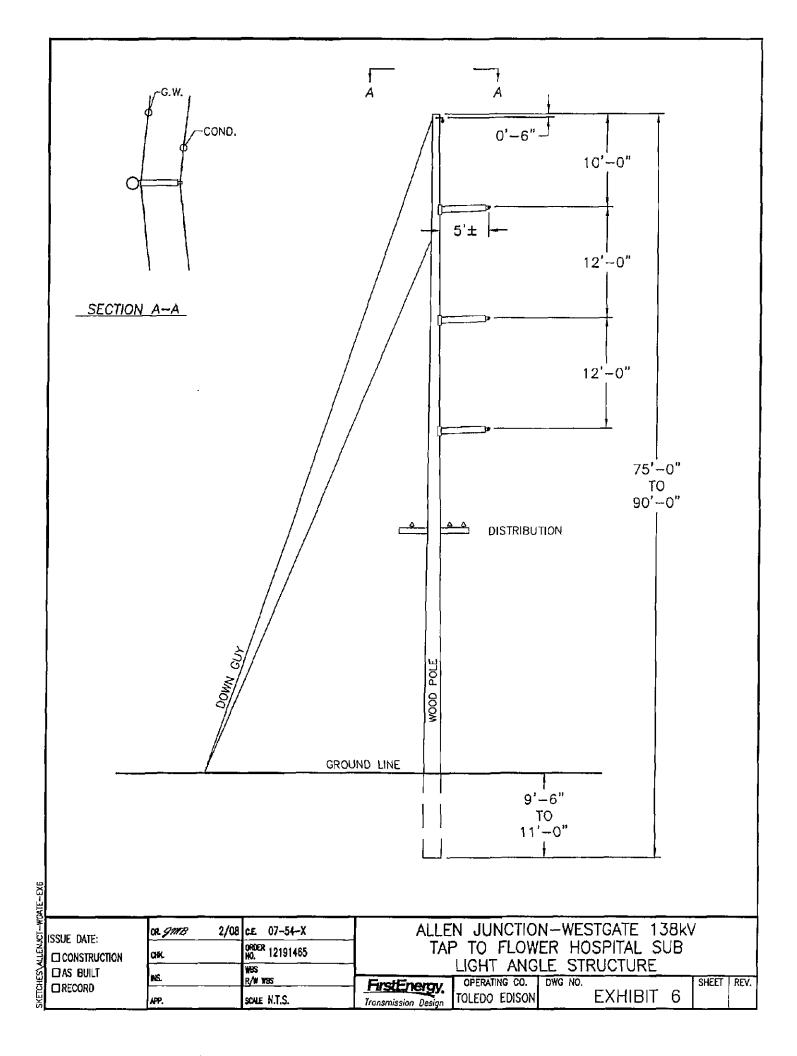
Transmission Design

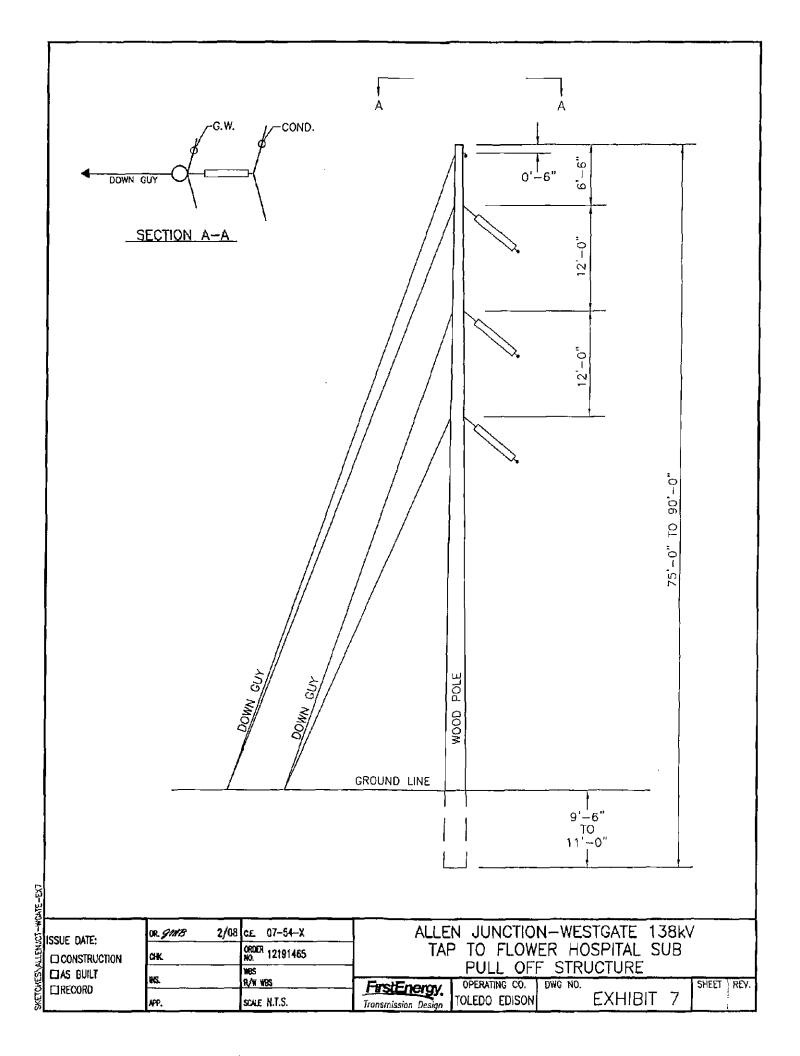
SCALE N.T.S.

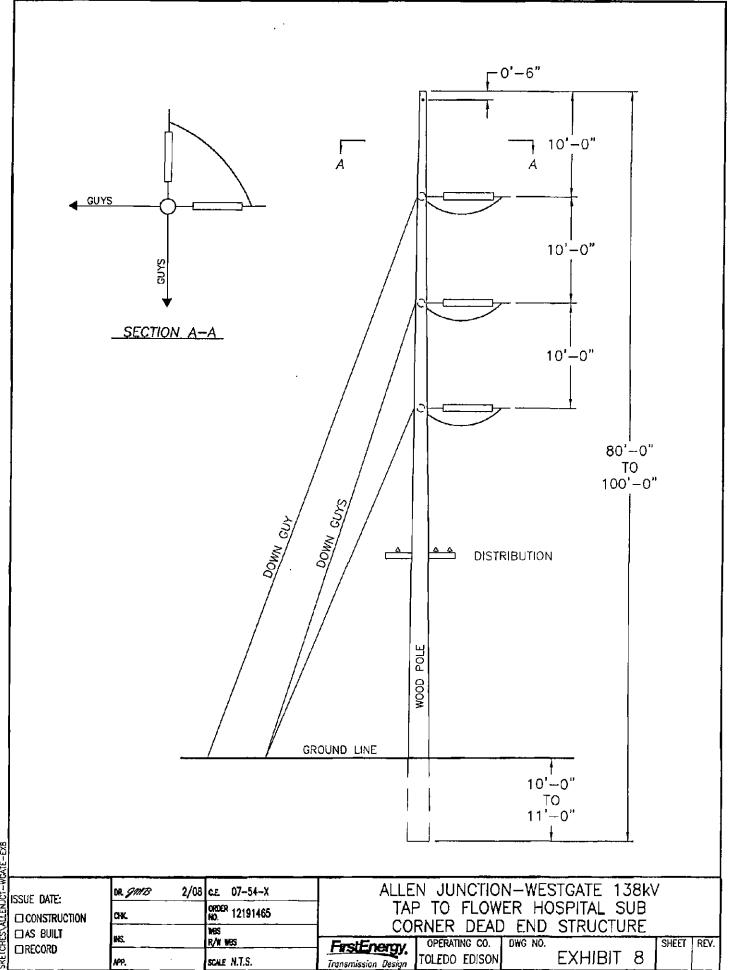
APP.











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### EXHIBIT 9 Ohio Department of Natural Resources

TED STRICKLAND, GOVERNOR

SEAN D. LOGAN, DIRECTOR

Division of Natural Areas and Preserves

Steven D. Maurer, Chief 2045 Morse Rd., Bldg. F-1 Columbus, OH 43229-6693

Phone: (614) 265-6453; Fax: (614) 267-3096

February 1, 2008

John Toth
FirstEnergy Service Co.
76 S. Main St.
Akron. OH 44308

Dear Mr. Toth:

I have reviewed our Natural Heritage maps and files for the Allen Junction-Westgate 138 kV Transmission Line Tap to the Flower Hospital Substation project area, including a half mile radius, in Sylvania, Lucas County, and on the Sylvania Quad. The numbers on the list below correspond to the areas marked on the accompanying map. Common name, scientific name and status are given for each species. Status codes are defined as: T=threatened and P=potentially threatened.

#### Sylvania Quad

- 1. Lupinus perennis Wild Lupine, P
- 2. Lupinus perennis Wild Lupine, P
- Hedeoma hispida Rough Pennyroyal, P
   Arabis hirsuta var. adpressipilis Southern Hairy Rock Cress, P
   Anemone cylindrica Prairie Thimbleweed, T

There are no state nature preserves or scenic rivers at the project site. We are also unaware of any unique ecological sites, geologic features, animal assemblages, state parks, state forests or state wildlife areas within a mile radius of the project area.

Our inventory program has not completely surveyed Ohio and relies on information supplied by many individuals and organizations. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. Please note that although we inventory all types of plant communities, we only maintain records on the highest quality areas.

Please contact me at 614-265-6818 if I can be of further assistance.

Sincerely,

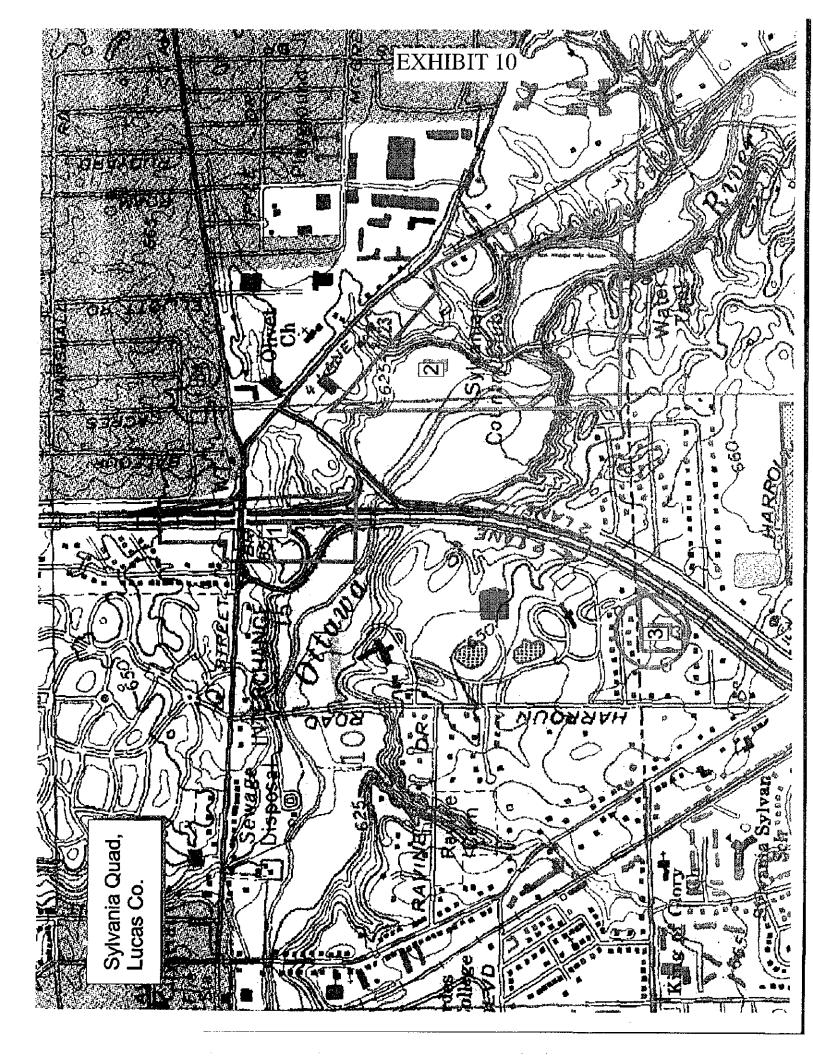
Debbie Woischke, Ecological Analyst

John Wischer

Natural Heritage Program

ohiodnr.com







1-800-646-0400

February 27, 2008

Ms. Renee J. Jenkins
Director, Administration Department
Secretary to the Commission
Docketing Division
The Public Utilities Commission of Ohio
180 East Broad Street
Columbus, OH 43215-3793

## Letter of Notification Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation <u>Case No. 08-</u> -EL-BLN

Dear Ms. Jenkins:

In accordance with Rule 4906-11-01 American Transmission Systems, Incorporated ("ATSI"), and The Toledo Edison Company ("TE"), subsidiaries of FirstEnergy Corporation, transmits one (1) original and eleven (11) copies of the enclosed Letter of Notification for the above captioned project. In this project, ATSI and TE are proposing to install a single radial 138 kV transmission line tap from its existing Allen Junction-Westgate 138 kV transmission line to a new customer owned substation. The proposed tap is approximately 0.63 miles long. The Project is located near the intersection of Monroe Street and Harroun Road in City of Sylvania, Lucas County, Ohio.

Please be advised of the following:

a) Name and address of the applicants:

American Transmission Systems, Incorporated

76 South Main Street Akron, Ohio 44308

The Toledo Edison Company

76 South Main Street Akron, Ohio 44308

b) Name of proposed facilities:

Allen Junction-Westgate 138 kV Transmission Line Tap To

The Flower Hospital Substation

Docketing February 27, 2007

c) Location of proposed facilities:

The Project is located near the intersection of Monroe Street and Harroun Road in City of Sylvania, Lucas County, Ohio.

d) Description of proposed facilities:

The Project involves installing an approximately 0.63 mile long single circuit radial 138 kV transmission line tap, with two switches, from ATSI's existing Allen Junction-Westgate 138 kV transmission line to a new substation being installed at

Flower Hospital, Sylvania, Ohio

e) Applicant's representative: John T. Toth, Associate Transmission Engineer

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 Letter of Notification for our records to us in the enclosed envelope. We have provided a copy of this Letter of Notification by certified mail, with return receipt requested, to each official 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 Sylvania and Lucas 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, Jelin 7. Total

John T. Toth, Associate Transmission Engineer

**Energy Delivery Technical Services** 

FirstEnergy Service Company

#### **EXHIBIT 1: OFFICIALS SERVED COPY OF LON**

#### Allen Junction-Westgate 138 kV Transmission Line Tap To The Flower Hospital Substation Case No. 08- -EL-BLN

#### **Lucas County**

Ms. Tina Skeldon Wozniak Commissioner, Lucas County One Government Center, Suite 800 Toledo, Ohio 43604-2259

Mr. Pete Gerken Commissioner, Lucas County One Government Center, Suite 800 Toledo, Ohio 43604-2259

Mr. Ben Konop Commissioner, Lucas County One Government Center, Suite 800 Toledo, Ohio 43604-2259

Ms. Jody Balogh Clerk, Board of Commissioners One Government Center, Suite 800 Toledo, Ohio 43604-2259 Mr. Stephen J. Herwat, Director Toledo-Lucas County Planning Commission One Government Center, Suite 1670 Toledo, Ohio 43604-2259

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