



Legal Department

American Electric Power
1 Riverside Plaza
Columbus, OH 43215-2373
AEP.com

Chairman Todd Snitchler
The Public Utilities Commission of Ohio
Ohio Power Siting Board
180 East Broad Street
Columbus, Ohio 43215

April 3, 2014

Yazen Alami, Esq.
Regulatory Services
(614) 716-2920 (P)
(614) 716-2950 (F)
yalami@aep.com

**RE: Construction Notice for the Sporn – Muskingum River Transmission Line:
Muskingum – Waterford 345kV Circuit and Waterford 345kV Extension
Case No. 14-0529-EL-BNR**

Dear Chairman Snitchler:

In accordance with rules 4906-5-02(B) and 4906-11-02, Ohio Administrative Code ("OAC"), AEP Ohio Transmission Company ("AEP Ohio Transco") submits this Construction Notice. Construction of the project is scheduled to begin in July 2014 and is projected to be completed in December 2014.

As required by rule 4906-11-02(C), OAC, AEP Ohio Transco has submitted a copy of the enclosed Construction Notice to the chief executive officer of each municipal corporation and county and the head of each public agency charged with protecting the environment or of planning land use in the area in which the proposed project will be located. Attached to the Construction Notice are copies of the letters that have been submitted.

Should you have any questions, please do not hesitate to contact me.

Respectfully submitted,

/s/ Yazen Alami
Yazen Alami

Attachments

CONSTRUCTION NOTICE

FOR THE

**SPORN – MUSKINGUM RIVER TRANSMISSION LINE:
MUSKINGUM – WATERFORD 345KV CIRCUIT
& WATERFORD 345KV EXTENSION**

PUCO Case No. 14-0529-EL-BNR

Submitted pursuant to OAC 4906-5-02(B) and 4906-11-02

**AEP Ohio Transmission Company
(AEP Ohio Transco)**

April 2014

CONSTRUCTION NOTICE

Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit & Waterford 345kV Extension

In accordance with Ohio Administrative Code Section 4906-11-02 Construction Notice Requirements, American Electric Power Ohio Transmission Company (AEP OH Transco) submits the following information:

4906-11-02(B)

(1) Name of the Project

The name of the project is the Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit and Waterford 345kV Extension Project.

(2) Description of this Project

The proposed project consists of un-wiring the existing six-wired Muskingum - Waterford 345kV circuit on the Sporn – Muskingum River line and re-conductoring to two three-wired circuits, as well as re-conductoring the north circuit of the Waterford Extension line. One lattice steel structure, structure 229, will be replaced with a steel two-pole structure (229 Left & 229 Right). Two additional steel mono-poles will be installed, 224A and 225A, in close proximity to the existing 224 and 225 structures. An additional structure, 1A, will be installed on the West Millersport-Muskingum River line to maintain clearance and allow for entry of the Muskingum –Waterford 345kV circuit into the Muskingum River station. All of the new structures will be installed on American Electric Power property owned in fee. The project extends for approximately 5.2 miles.

The project meets the requirements for a Construction Notice under item 3 of the Interim Application Requirements which involves replacing conductors on existing structures with larger or bundled conductors.

(3) Need for this Project

PJM has identified multiple overloads on various AEP circuits due to generation retirements. The re-wiring and re-conductoring is required to reinforce the

transmission system in the area in response to the proposed retirement of the Sporn coal fired generation facility and the increased growing electrical demand in the area. The replacement of structure 229 and additional structures 224A, 225A and 1A are necessary for conductor separation and for entry of the circuit into the Muskingum River station.

Construction Schedule

Construction of the project is scheduled to begin July of 2014 with installation of construction access. Construction is scheduled to run through the end of December 2014.

(4) Estimated Cost

FERC Accounts	Estimated Capital Cost
355 poles and fixtures	\$6,252,400
356 Overhead Conductors and Devices	\$4,527,600
Total Cost	\$10,780,000

(5) Technical Features

Structure 229 will be a self-supporting galvanized steel two-pole designed to double circuit standards on concrete footings. Structures 224A and 225A will be direct imbedded galvanized steel single pole with davit arms designed to single circuit standards. Structure 1A will be a self-supporting galvanized steel mono-pole with designed to single circuit standards on concrete footings.

(6) Maps

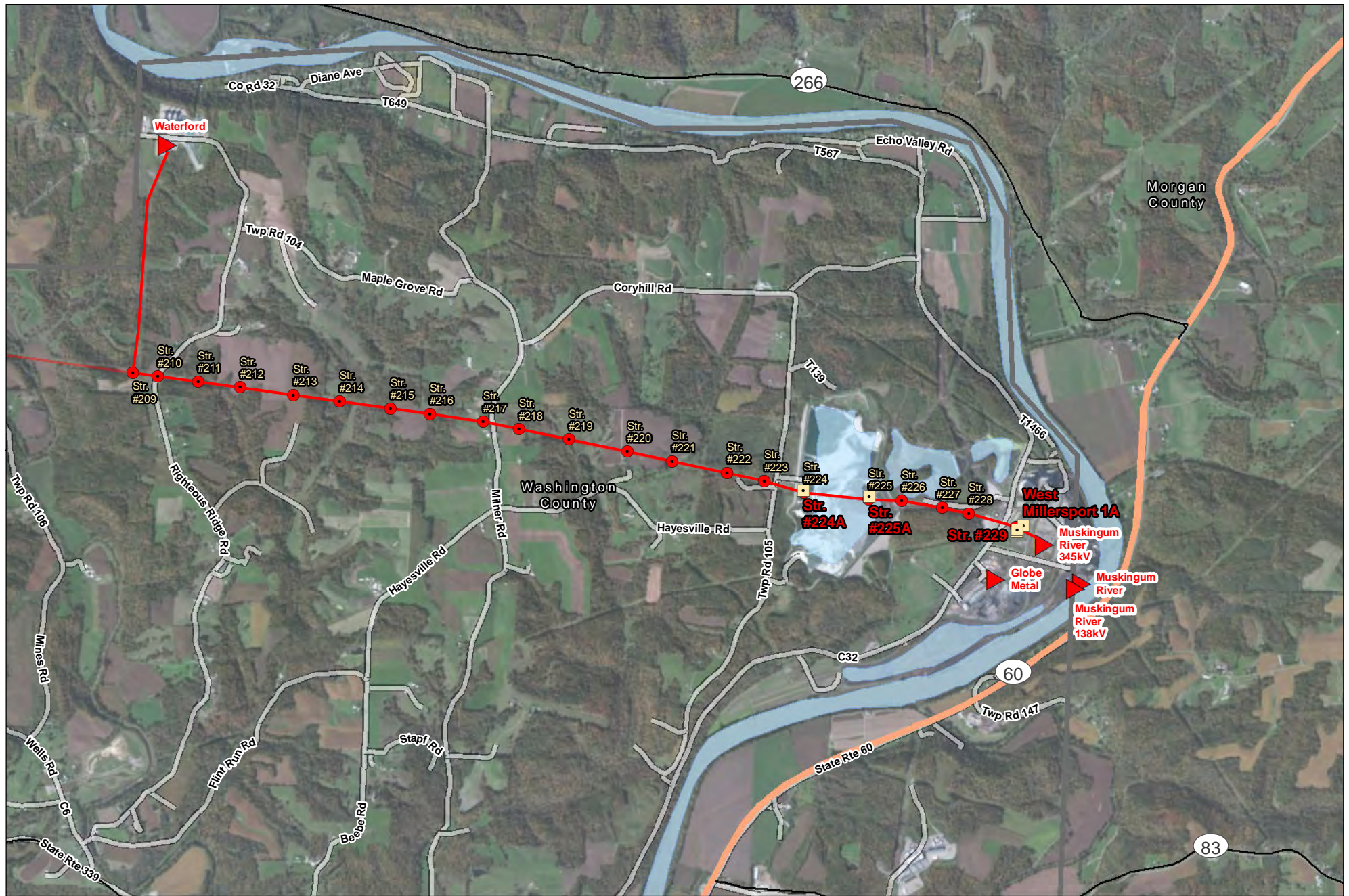
The line is located in Southeastern Ohio in western Waterford Township, Washington County. The Waterford station is approximately 4 miles southwest of the Village of Waterford and the Muskingum River station is approximately 4 miles northwest of the village. Please reference the attached map for location, line route and structure locations.

(7) Properties

The project will be located entirely on existing American Electric Power easements for the Sporn-Muskingum River and the Waterford Extension Lines or property owned by American Electric Power at the Waterford and Muskingum River power plants.

4906-11-02(C) Notification

Copies of this Construction Notice have been sent to the Waterford Township Board of Trustees and Washington County Commissioners.



SYM Existing Substation & Transmission Line Existing Structure Existing 345 kV Substation Proposed Structure	SYM Base Map Features Interstate Highway Railroad Major/Local Road River/Stream/Lake/Pond 100yr Floodplain City/Township County		<p>AEP Ohio Transmission Company Sporn - Muskingum River 345 kV Line: Waterford - Muskingum River & Waterford Extension Washington County, Ohio</p> <p>Projected Coordinate System: Ohio State Plane Datum: North American Datum of 1983 Projection: Lambert Conformal Conic Zone: South Linear Unit: Feet</p>		<p>Map 1: Project Location</p> <p>Date: 2/18/2014</p> <p>Scale: 1" = 3,000' (1:36,000)</p> <p>0 1,500 3,000 Feet</p> <p>Commonwealth AEP AMERICAN ELECTRIC POWER</p>
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SYM Existing Substation & Transmission Line ● Existing Structure — Existing 345 kV ▲ Substation ■ Proposed Structure		SYM Base Map Features — Interstate — Highway — Railroad — Major/Local Road — River/Stream/Lake/Pond — 100yr Floodplain — City/Township — County				AEP Ohio Transmission Company Sporn - Muskingum River 345 kV Line: Waterford - Muskingum River & Waterford Extension Washington County, Ohio Projected Coordinate System: Ohio State Plane Datum: North American Datum of 1983 Projection: Lambert Conformal Conic Zone: South Linear Unit: Feet				Map 2: New Structures Scale: 1" = 1,000' (1:12,000) 0 500 1,000 Feet 		Date: 2/18/2014	
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American Electric Power
700 Morrison Road
Gahanna, OH 43230

April 1, 2014

Mr. Douglas McCutcheon
Waterford Township Trustee
1187 Coryhill Road
Waterford, OH 45786

RE: Construction Notice
Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit &
Waterford 345kV Extension Project
Case Number: 14-0529-EL-BNR

Dear Trustee McCutcheon:

In accordance with Rules 4906 of the Ohio Administrative Code (OAC), AEP Ohio Transmission Company (AEP Transco) is required to submit a Construction Notice to the State of Ohio Power Siting Board (OPSB) whenever certain changes are made to our transmission facilities.

The proposed Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit & Waterford 345kV Extension Project consists of un-wiring the existing six-wired Muskingum - Waterford 345kV circuit on the Sporn – Muskingum River line and re-conductoring to two three-wired circuits and re-conductoring the north circuit of the Waterford Extension line. One structure will be replaced and three structures added. The project extends for approximately 5.2 miles. The project is located in Waterford Township, Washington County, Ohio.

AEP Ohio has prepared and filed the attached Construction Notice. This Notice contains details on the line location, project description and construction schedule, and is submitted for your information.

Please feel free to contact me at (614) 552-1929 and I would be happy to answer any questions concerning this project.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brett E. Schmied", is written over a light blue horizontal line.

Brett E. Schmied, J.D.
Project Outreach Specialist
American Electric Power

cc: Edward Gilabert, Project Manager



American Electric Power
700 Morrison Road
Gahanna, OH 43230

April 1, 2014

Mr. James Harper
Waterford Township Trustee
507 Stony Run Road
Beverly, OH 45715

RE: Construction Notice
Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit &
Waterford 345kV Extension Project
Case Number: 14-0529-EL-BNR

Dear Trustee Harper:

In accordance with Rules 4906 of the Ohio Administrative Code (OAC), AEP Ohio Transmission Company (AEP Transco) is required to submit a Construction Notice to the State of Ohio Power Siting Board (OPSB) whenever certain changes are made to our transmission facilities.

The proposed Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit & Waterford 345kV Extension Project consists of un-wiring the existing six-wired Muskingum - Waterford 345kV circuit on the Sporn – Muskingum River line and re-conductoring to two three-wired circuits and re-conductoring the north circuit of the Waterford Extension line. One structure will be replaced and three structures added. The project extends for approximately 5.2 miles. The project is located in Waterford Township, Washington County, Ohio.

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Sincerely,

A handwritten signature in blue ink, appearing to read 'Brett E. Schmied', with a stylized flourish at the end.

Brett E. Schmied, J.D.
Project Outreach Specialist
American Electric Power

cc: Edward Gilabert, Project Manager



American Electric Power
700 Morrison Road
Gahanna, OH 43230

April 1, 2014

Mr. Timothy C. Rossiter
Waterford Township Trustee
908 Park Street
P.O. Box 524
Beverly, OH 45715

RE: Construction Notice
Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit &
Waterford 345kV Extension Project
Case Number: 14-0529-EL-BNR

Dear Trustee Rossiter:

In accordance with Rules 4906 of the Ohio Administrative Code (OAC), AEP Ohio Transmission Company (AEP Transco) is required to submit a Construction Notice to the State of Ohio Power Siting Board (OPSB) whenever certain changes are made to our transmission facilities.

The proposed Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit & Waterford 345kV Extension Project consists of un-wiring the existing six-wired Muskingum - Waterford 345kV circuit on the Sporn – Muskingum River line and re-conductoring to two three-wired circuits and re-conductoring the north circuit of the Waterford Extension line. One structure will be replaced and three structures added. The project extends for approximately 5.2 miles. The project is located in Waterford Township, Washington County, Ohio.

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Please feel free to contact me at (614) 552-1929 and I would be happy to answer any questions concerning this project.

Sincerely,

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Brett E. Schmied, J.D.
Project Outreach Specialist
American Electric Power

cc: Edward Gilabert, Project Manager



American Electric Power
700 Morrison Road
Gahanna, OH 43230

April 1, 2014

Mr. Ronald Feathers, President
Mr. David A. White
Mr. Timothy C. Irvine
Washington County Board of Commissioners
223 Putnam Street
Marietta, OH 45750

RE: Construction Notice
Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit &
Waterford 345kV Extension Project
Case Number: 14-0529-EL-BNR

Dear Washington County Commissioners:

In accordance with Rules 4906 of the Ohio Administrative Code (OAC), AEP Ohio Transmission Company (AEP Transco) is required to submit a Construction Notice to the State of Ohio Power Siting Board (OPSB) whenever certain changes are made to our transmission facilities.

The proposed Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit & Waterford 345kV Extension Project consists of un-wiring the existing six-wired Muskingum - Waterford 345kV circuit on the Sporn – Muskingum River line and re-conductoring to two three-wired circuits and re-conductoring the north circuit of the Waterford Extension line. One structure will be replaced and three structures added. The project extends for approximately 5.2 miles. The project is located in Waterford Township, Washington County, Ohio.

AEP Ohio has prepared and filed the attached Construction Notice. This Notice contains details on the line location, project description and construction schedule, and is submitted for your information.

Please feel free to contact me at (614) 552-2004 and I would be happy to answer any questions concerning this project.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Brett E. Schmied', with a large, stylized loop at the end.

Brett E. Schmied, J.D.
Project Outreach Specialist
American Electric Power

cc: Edward Gilabert, Project Manager



American Electric Power
700 Morrison Road
Gahanna, OH 43230

April 1, 2014

Ms. Lori Ann Schilling
Waterford Township Trustee
350 Ray Harr Road
P.O. Box 194
Beverly, OH 45715

RE: Construction Notice
Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit &
Waterford 345kV Extension Project
Case Number: 14-0529-EL-BNR

Dear Ms. Schilling:

In accordance with Rules 4906 of the Ohio Administrative Code (OAC), AEP Ohio Transmission Company (AEP Transco) is required to submit a Construction Notice to the State of Ohio Power Siting Board (OPSB) whenever certain changes are made to our transmission facilities.

The proposed Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit & Waterford 345kV Extension Project consists of un-wiring the existing six-wired Muskingum - Waterford 345kV circuit on the Sporn – Muskingum River line and re-conductoring to two three-wired circuits and re-conductoring the north circuit of the Waterford Extension line. One structure will be replaced and three structures added. The project extends for approximately 5.2 miles. The project is located in Waterford Township, Washington County, Ohio.

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Brett E. Schmied, J.D.
Project Outreach Specialist
American Electric Power

cc: Edward Gilabert, Project Manager

This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

4/3/2014 11:33:46 AM

in

Case No(s). 14-0529-EL-BNR

Summary: Application In the matter of the Construction Notice for the Sporn – Muskingum River Transmission Line: Muskingum – Waterford 345kV Circuit and Waterford 345kV Extension Project electronically filed by Mr. Yazen Alami on behalf of AEP Ohio Transmission Company