

ATTACHMENT No. 1

Attachment to Form No. 14

**PUBLIC SERVICE COMMISSION
OF WEST VIRGINIA
CHARLESTON**

CASE NO. 23-0834-E-CN

AEP West Virginia Transmission Company, Inc. and
Appalachian Power Company

Application for a Certificate of Convenience and Necessity to Construct a
Transmission Project

NOTICE OF FILING

On October 23, 2023, the Applicants filed an Application, duly verified, for a Certificate to construct certain additions to their existing transmission system in Mason County, West Virginia, near Apple Grove, with the Public Service Commission of West Virginia (“Commission”).

The Applicants propose to construct a new 345kV transmission station (“Mercers Bottom Station”) and two new 345kV transmission lines approximately one mile each to connect Appalachian Power Company’s existing 345kV transmission line to the new Mercers Bottom Station and to the customer delivery point in order provide service to Nucor Steel West Virginia, LLC and to service its \$3.1 billion steel mill (currently under construction) requiring an estimated 450 MW load in Apple Grove, West Virginia (“the Project”).

As shown on the attached map, the proposed 345kV transmission lines are approximately one mile long and on separate rights-of-way, approximately 150 feet wide. In total, the two transmission lines consist of approximately eleven (11) single-circuit transmission line structures. The proposed transmission lines will generally be north and south of each other and will connect Appalachian Power Company’s existing Sporn – Tri-State 345kV Transmission Line, the proposed Mercers Bottom Station, and the Customer’s substation.

The southern transmission line begins near Keister Road and existing Structure No. 110 on Appalachian Power’s Sporn – Tri-State 345kV Transmission Line. The proposed southern route starts northward for 1,500 feet crossing General Dynamics Way to a point near existing Structure No. 109. The southern transmission line turns northwest and continues for 1,500 feet to a point west of

County Route 80 where it begins paralleling the second (northern) proposed 345kV transmission line.

The northern transmission line route begins approximately 5,000 feet north of the southern transmission line, near Jerry's Run Road (County Route 37) and the existing Structure No. 107 on Appalachian Power's Sporn – Tri-State 345kV Transmission Line. The northern transmission line continues in a southerly direction for 1,100 feet crossing Jerry's Run Road (County Route 37) and continues south for approximately 900 additional feet. The northern transmission line turns southwest and continues 1,700 feet to a point west of County Route 80 where it begins paralleling the southern transmission line route.

Both routes continue generally west paralleling each other for approximately 2,000 feet spanning over Sixteenmile Creek. Approximately 600 feet east of Huntington Road (State Route 2), the lines turn northward for approximately 400 feet and connect to the proposed Mercers Bottom Station. The proposed Mercers Bottom Station is located southeast of the intersection of Huntington Road (State Route 2) and Jerrys Run Road (County Route 37).

The lines exit the northern face of the proposed Mercers Bottom Station parallel to each other. The transmission lines continue westward for approximately 500 feet, span over Huntington Road (State Route 2), and end at the Customer's substation located at the southwest corner of the Huntington Road (State Route 2) and Jerrys Run Road (County Route 37) intersection.

Also, as shown on the attached map, the Applicants propose to construct a 3-way Phase-Over-Phase (POP) switch, with a short span of transmission line to it, at the northern end of the Customer's property.

The Application is on file with and available for public inspection at the Public Service Commission, 201 Brooks Street, in Charleston, West Virginia.

The Applicants estimate that construction will cost approximately \$70.8 million. The Applicants intend to finance construction of the Project using the AEP Money Pool as approved by the Commission in Case No. 10-0577-E-PC, and any additional financing vehicles for which the Applicants may seek Commission approval, as required.

Anyone desiring to protest or intervene should file a written protest or request to intervene within fifteen (15) days following the date of this publication unless otherwise modified by Commission order. Failure to timely protest or request to intervene can affect your right to protest aspects of this certificate case, including any associated rate increases, or to participate in future proceedings. All

protests or requests to intervene should briefly state the reason for the protest or request to intervene. Requests to intervene must comply with the rules on intervention set forth in the Commission's Rules of Practice and Procedure. All protests and requests to intervene should be addressed to Karen Buckley, Executive Secretary, P. O. Box 812, Charleston, West Virginia 25323.

In the absence of a written request for a hearing on the application from a person or persons alleging that the proposed transmission line or its location is against the public interest within fifteen (15) days of this publication, the Commission may waive formal hearing and grant the application based on the Commission's review of the evidence submitted with the application.

