

**PUBLIC SERVICE COMMISSION  
OF WEST VIRGINIA  
CHARLESTON**

**CASE NO. 07-\_\_\_\_-E-\_\_\_\_**

**TRANS-ALLEGHENY INTERSTATE  
LINE COMPANY**

**Application of Trans-Allegheny Interstate Line  
Company for a certificate of public convenience  
and necessity under W. Va. Code § 24-2-11a  
authorizing the construction and operation of the  
West Virginia segments of a 500 kV electric  
transmission line and related facilities in Monongalia,  
Preston, Tucker, Grant, Hardy, and Hampshire  
Counties, and for related relief.**

**West Virginia Segments  
of the  
Trans-Allegheny Interstate Line**

**Proposed By  
Trans-Allegheny Interstate Line Company**

**Map Required by  
Section 150-3-9.2.1.a. of the  
Public Service Commission of West Virginia's  
Rules and Regulations for the Government of Electric Utilities**

**USER'S GUIDE TO MAP REQUIRED BY  
SECTION 150-3-9.2.1.a. OF THE  
PUBLIC SERVICE COMMISSION OF WEST VIRGINIA'S  
RULES AND REGULATIONS FOR THE  
GOVERNMENT OF ELECTRIC UTILITIES.**

These maps are provided by Trans-Allegheny Interstate Line Company ("TrAILCo") to satisfy the requirements of Section 150-3-9.2.1.a. of the Public Service Commission of West Virginia's Rules and Regulations for the Government of Electric Utilities (the "Rule 9 Map"). The Rule 9 Map consists of 12 separate map sheets depicting consecutive portions of the entire Proposed Route of TrAIL in West Virginia. The sheets can be viewed singly, or two or more sheets depicting adjoining areas can be placed together, aligned along common boundaries, and viewed in conjunction.

The Rule 9 Map was developed by The Louis Berger Group, Inc. ("Berger Group") in conjunction with Commonwealth Associates, Inc. ("CAI"), consultants to TrAILCo. The Rule 9 Map depicts detailed information, and employs many common map conventions, such as using the color light blue to depict most rivers, lakes, streams, reservoirs, and other bodies of water, and the color green to depict forested areas.

The Berger Group and CAI assembled information from a variety of sources to produce the Rule 9 Map. United States Geological Survey ("USGS") topographic quadrangle maps (1:24,000 scale) serve as the base of the Rule 9 Map, presenting a wealth of detailed information in a standard, commonly used, and well accepted format. The use of a digital format of the topographic quadrangle maps, referred to as USGS Digital Raster Graphics, allowed for the presentation of the topographic maps as a seamless mosaic of consecutive quadrangles. This digital format also allowed for modifying the coloring scheme of the quadrangle maps to allow for better readability and improved clarity with respect to viewing the additional data sources that were overlaid on the USGS base information. One additional color modification, removing the green coloration on the topographic maps depicting forested areas and replacing it with forest cover information from the National Land Cover Database of 2001 (NLCD, 2001), was made to take advantage of more current forest cover information.

Those features listed in the legend in the bottom left of each of the 12 sheets were not a part of the original base USGS quadrant map information, but have been added to provide additional information pertinent to the area. Sources for the data layers presented are provided in Table 2-2 of the Route Evaluation Report and Environmental Report, attached to the Application as Appendix D. Symbols presented in the USGS topographic base of the Rule 9 Map (e.g., the standard USGS symbols for railroads, individual buildings, contour lines, etc.) are considered standard mapping convention and are not displayed in the legend. Additional structures digitized from aerial photography included in Appendix D are shown with the same small black square symbols standard in USGS topographic quadrangle maps and are therefore not referenced in the legend.

## **APPENDIX B**

The Rule 9 Map uses a transparent overlay of gray to mask portions of the map area that lie beyond five (5) miles from the centerline of the proposed transmission line corridor, thereby accentuating the areas that are within five (5) miles of the centerline.

As an aid to users of the Rule 9 Map, the Berger Group developed a graphic index that displays the location of each of the 12 map sheets with a number assigned to each, relative to the location of each other sheet. This index also displays some basic map information, including state and county boundaries, certain prominent cities and roads, and major designated lands, such as national forests, state parks, etc. This index is designed to assist the users of the Rule 9 Map in selecting map sheet(s) that they may wish to review. The index is not a part of the Rule 9 Map, but merely an aid to its use.