

Summary of Siting Analysis Criteria

ENVIRONMENTAL CRITERIA

- + Wetlands and forested land within transmission right-of-way
- + Water features (streams and waterbodies) crossed by transmission centerline
- + Impaired waters crossed by transmission centerline
- + Floodplain crossed by transmission right-of-way
- + Protected species critical habitat crossed by transmission right-of-way
- + Potential contaminated lands within transmission right-of-way

LAND USE CRITERIA

- + Length of route paralleling highways, roads, pipelines, and railroad right-of-way
- + Length of route paralleling transmission lines
- + Conservation lands crossed by or within 500 feet of transmission right-of-way
- + Federal, state, local, and tribal lands crossed by or within 500 feet of transmission right-of-way
- + Center pivot irrigation systems within transmission right-of-way
- + Cultivated cropland and developed land within transmission right-of-way
- + Business/commercial/industrial buildings within 500 feet of transmission centerline
- + Recreational areas within 1,000 feet of transmission right-of-way
- + Communication towers within 1,000 feet of transmission right-of-way
- + Oil/gas above ground facilities within or within 1,000 feet of transmission right-of-way
- + Renewable energy facilities and meteorological towers within 0.5 miles of transmission right-of-way

SOCIAL CRITERIA

- + Residential buildings within, within 200 feet of, or within 500 feet of the transmission right-of-way
- + Non-residential buildings within transmission right-of-way
- + Property owners and parcels crossed by transmission right-of-way
- + Community facilities within 1,000 feet of transmission right-of-way
- + National Register of Historic Places listed cultural resources within 1,000 feet of transmission centerline
- + State listed known cultural resources within 1,000 feet of transmission centerline
- + Historic districts within 1,000 feet of transmission centerline
- + Known archaeological sites/battlefields within transmission right-of-way
- + Scenic byways within 1 mile of transmission right-of-way
- + State scenic rivers or historic trails crossed by transmission centerline
- + Walking/biking trails crossed by transmission centerline
- + Cemeteries within or adjacent to transmission right-of-way
- + MDE Mapper environmental justice assessment percentile

ENGINEERING CRITERIA

- + Gas pipeline, highway or railroad crossings
- + 138 kV or greater and 500 kV transmission line crossings
- + Slope greater than 20% crossed by transmission centerline
- + Depth to bedrock less than 60 inches crossed by transmission centerline
- + Geological (karst) features within transmission right-of-way
- + Mines crossed by transmission right-of-way
- + Turn angles >15 degrees
- + Span length in excess of 1,000 feet
- + Airports and heliports within 20,000 feet of transmission right-of-way
- + Total route length