

Summary of Siting Analysis Criteria

ROUTING STUDY PROCESS



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

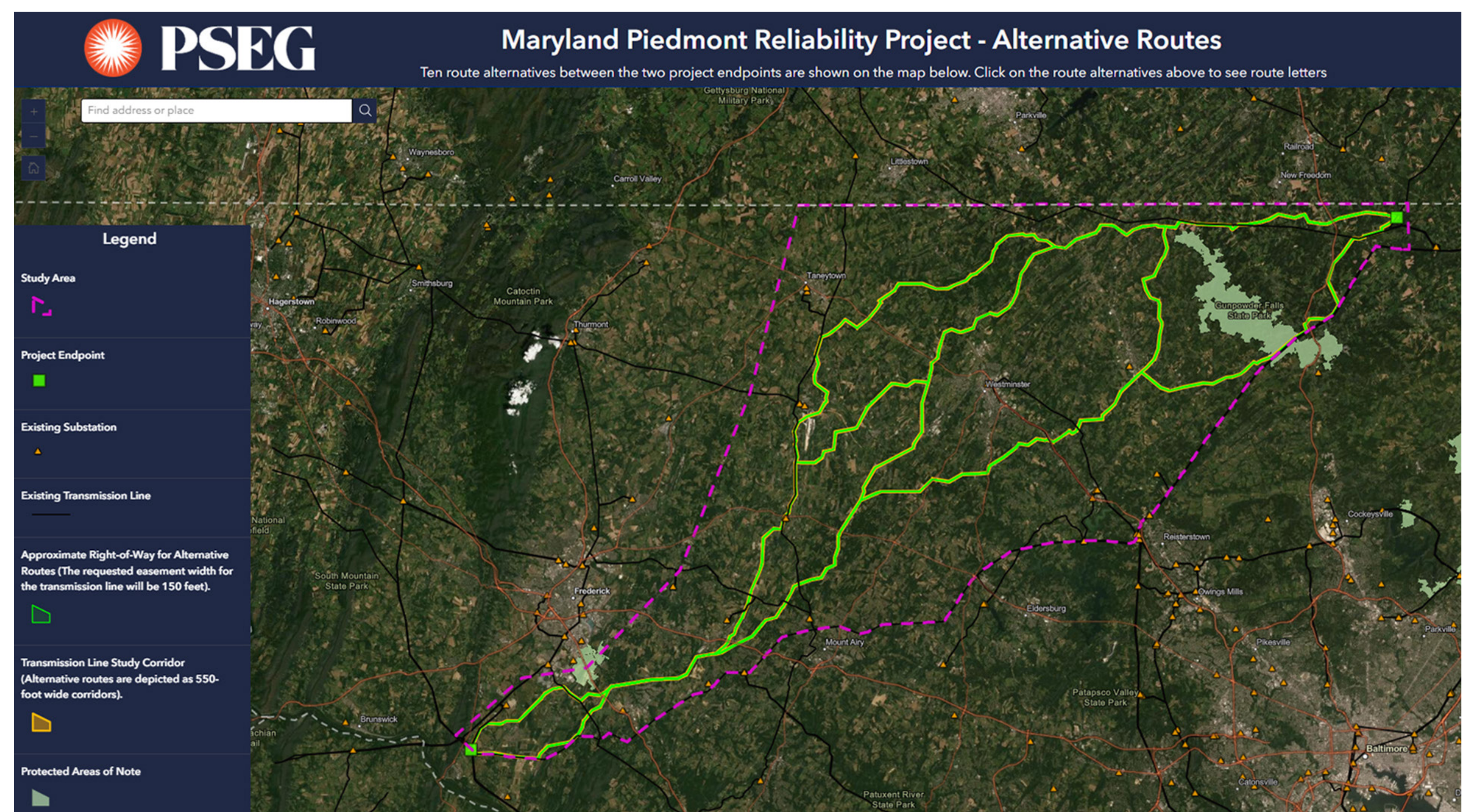
- + Length of route paralleling highways, roads, pipelines, and railroad right-of way
- + Length of route paralleling transmission lines
- + Conservation lands crossed by or within 500 feet of transmission right-of-way
- + Federal, state, local, and tribal lands crossed by or within 500 feet of transmission 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



Routing Criteria uses publicly available datasets and will incorporate feedback from stakeholders and public comment. Detailed design will follow property rights entry negotiation with landowners to allow for field investigations and delineations along the preferred route.