



Reliability Analysis Update

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Sub Regional RTEP Committee - PJM South

November 17, 2022

Recommended Solution

Baseline Reliability Projects



Dominion Transmission Zone: Baseline Line #23 Bell Ave to Suffolk 115 kV Partial Rebuild

Process Stage: Recommended Solution

Criteria: Generation Deliverability

Assumption Reference: 2027 RTEP assumption

Model Used for Analysis: 2027 Summer RTEP case

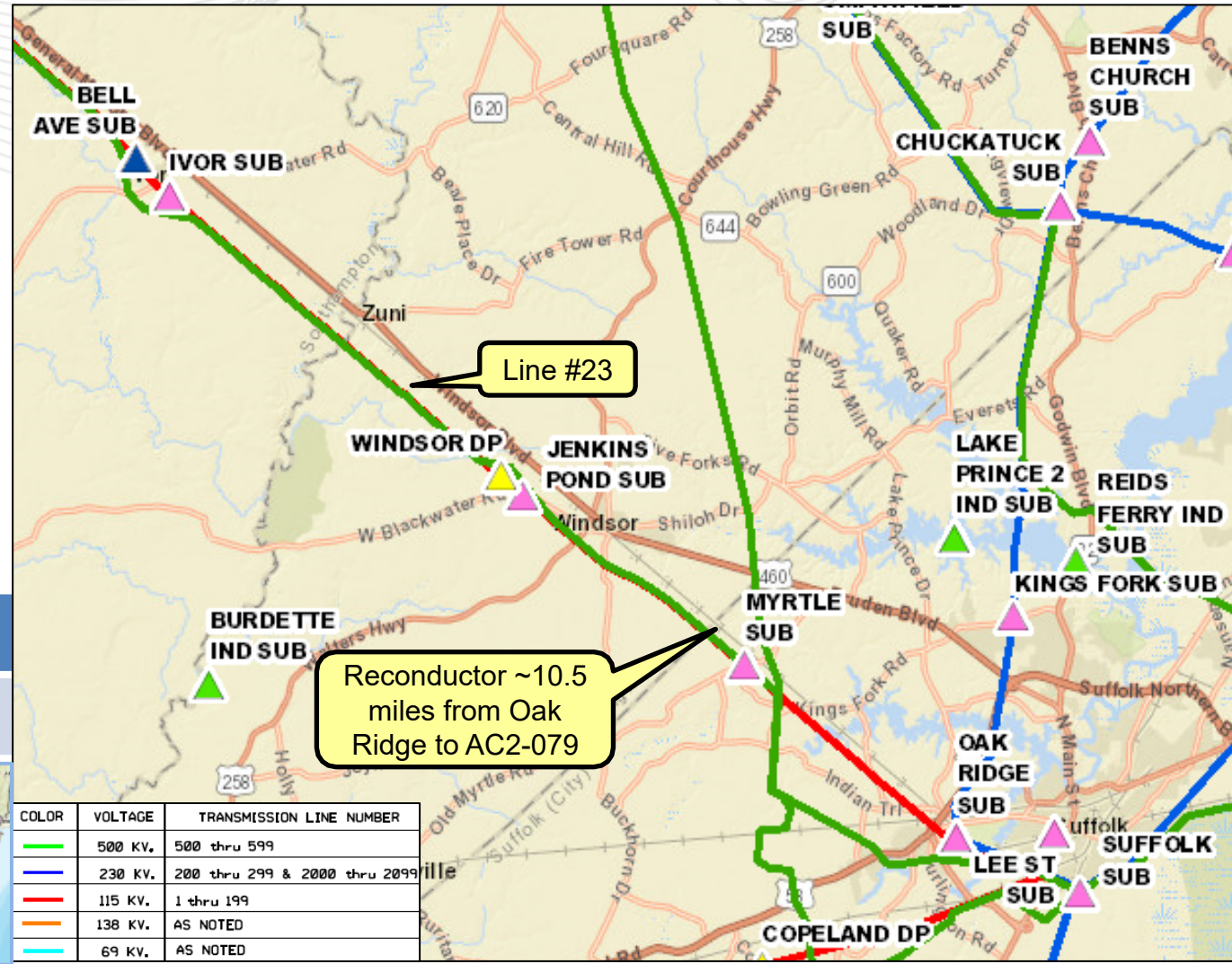
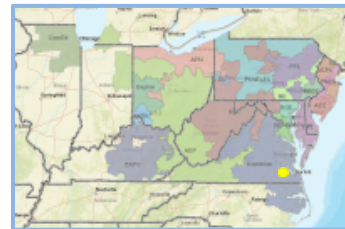
Proposal Window Exclusion: Below 200 kV Exclusion

Problem Statement: 2022W1-GD-S523 - 2022W1-GD-S526

In the 2027 RTEP Summer case, failed breaker contingencies that isolate Poe 115kV Bus #1 overload the Oak Ridge to AC2-079 segment of 115kV Line #23 Bell Ave - Suffolk.

Existing Facility Rating:

Branch	SN/SE/WN/WE (MVA)
Oak Ridge – AC2-079 TAP 115 kV	118/118/149/149





Dominion Transmission Zone: Baseline Line #23 Bell Ave to Suffolk 115 kV Partial Rebuild

Recommended Solution:

Reconductor approximately 10.5 miles of 115kV Line #23 segment from Oak Ridge to AC2-079 Tap to minimum emergency ratings of 393 MVA Summer / 412 MVA Winter. **(B3759)**

Transmission Estimated Cost: \$23.5M

Alternatives: None

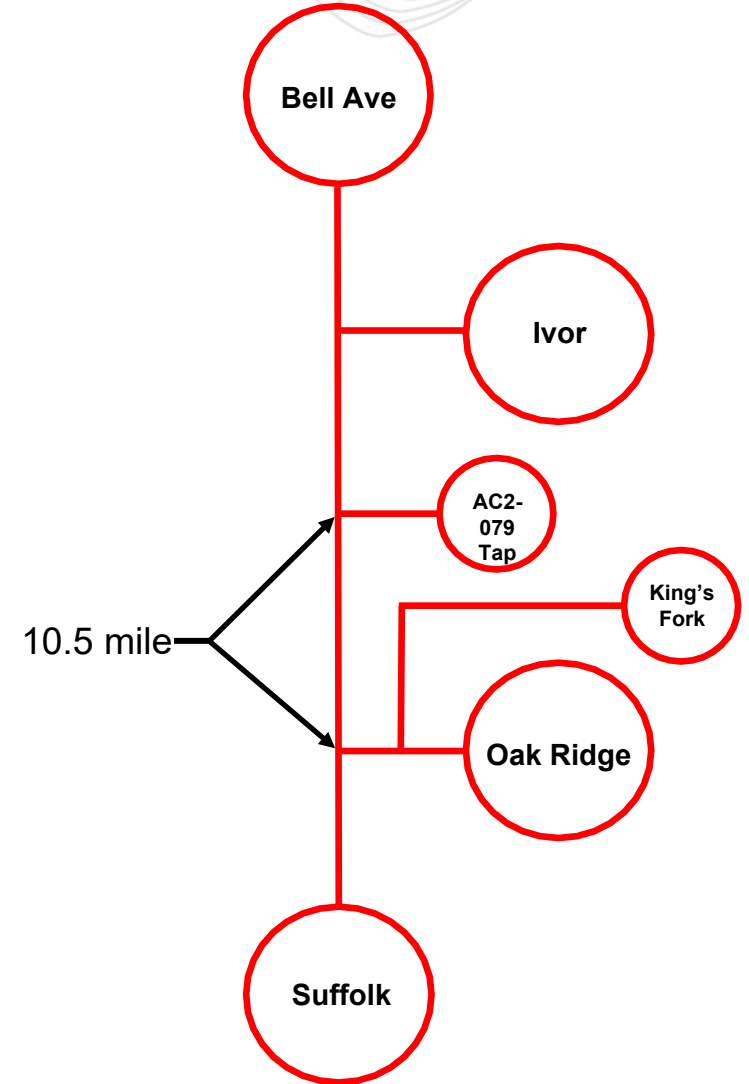
Preliminary Facility Rating:

Branch	SN/SE/WN/WE (MVA)
Oak Ridge – AC2-079 TAP 115 kV	393/393/413/413

Required in-service date: 6/1/2027

Projected in-service date: 6/1/2027

Previously Presented: 10/13/2022



SME/Presenter:

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SRRTEP-S Reliability Analysis Update



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- V1 – 11/11/2022 – Original slides posted

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