



Reliability Analysis Update

Stanley Sliwa

Sub Regional RTEP Committee - PJM South

October 13, 2022

First Review

Baseline Reliability Projects



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

Process Stage: First Review Solution

Criteria: Generation Deliverability

Assumption Reference: 2027 RTEP assumption

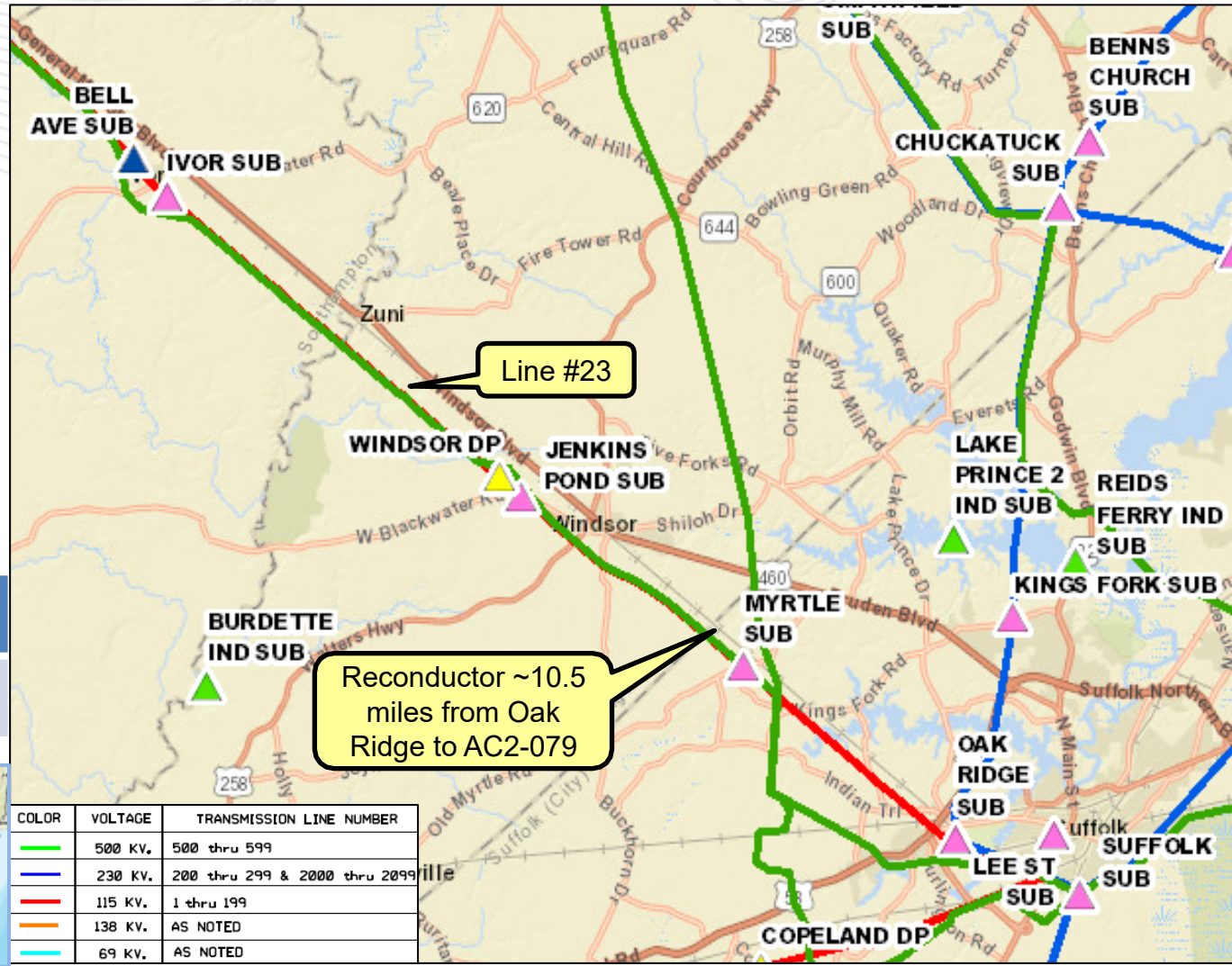
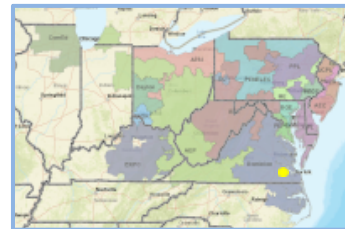
Model Used for Analysis: 2027 Summer RTEP case

Proposal Window Exclusion: Below 200 kV Exclusion

Problem Statement: 2022W1-GD-S523 and 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.

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

Proposed 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.

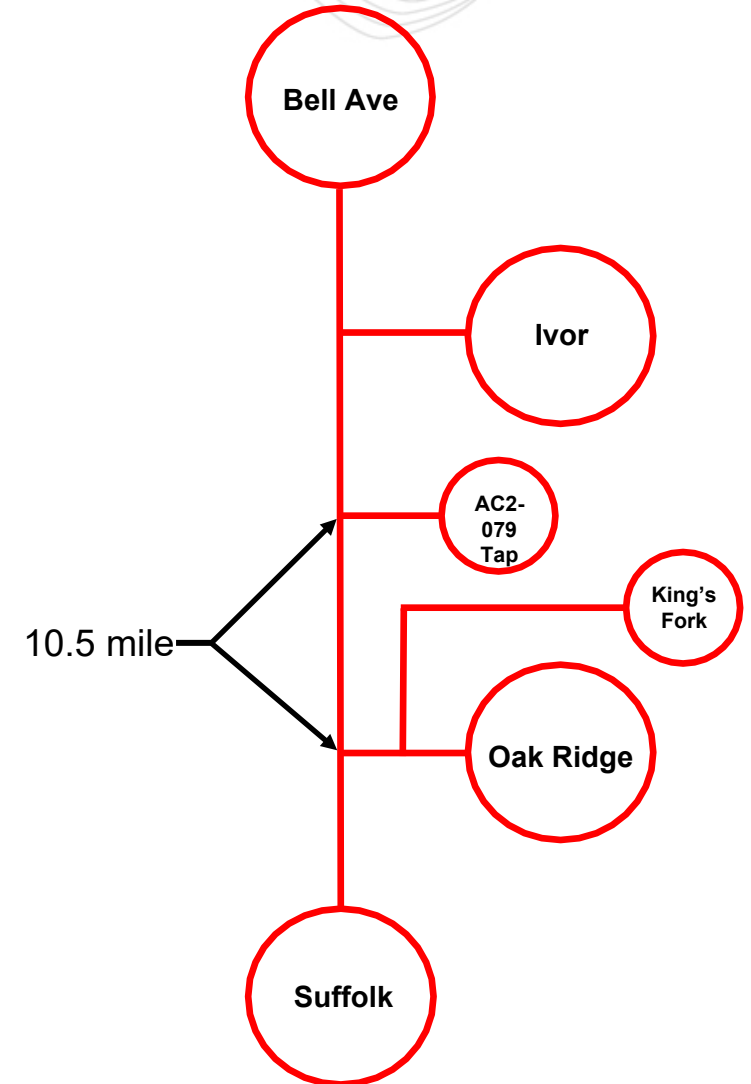
Transmission Estimated Cost: \$23.5M

Alternatives: None

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



SME/Presenter:

Stanley Sliwa

Stanley.Sliwa@pjm.com

SRRTEP-S Reliability Analysis Update



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com

- V1 – 10/07/2022 – Original slides posted

**PROTECT THE
POWER GRID**
**THINK BEFORE
YOU CLICK!**



Be alert to
malicious
phishing emails.

Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@pjm.com

