



Reliability Analysis Update

Aaron Berner, Senior Manager

Transmission Expansion Advisory Committee
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Changes to Existing Projects

Baseline Reliability Projects



Dominion Transmission Zone: Baseline Second Chickahominy 500/230kV Transformer

Solution Update

Previously Presented: 6/2/2020 TEAC

Baseline Reliability: Generation Deactivation

Problem Statement: Generation Deliverability - Chesterfield 5 and 6

- Chickahominy 500/230 kV transformer is overloaded for loss of Chickahominy – Surry 500 kV line

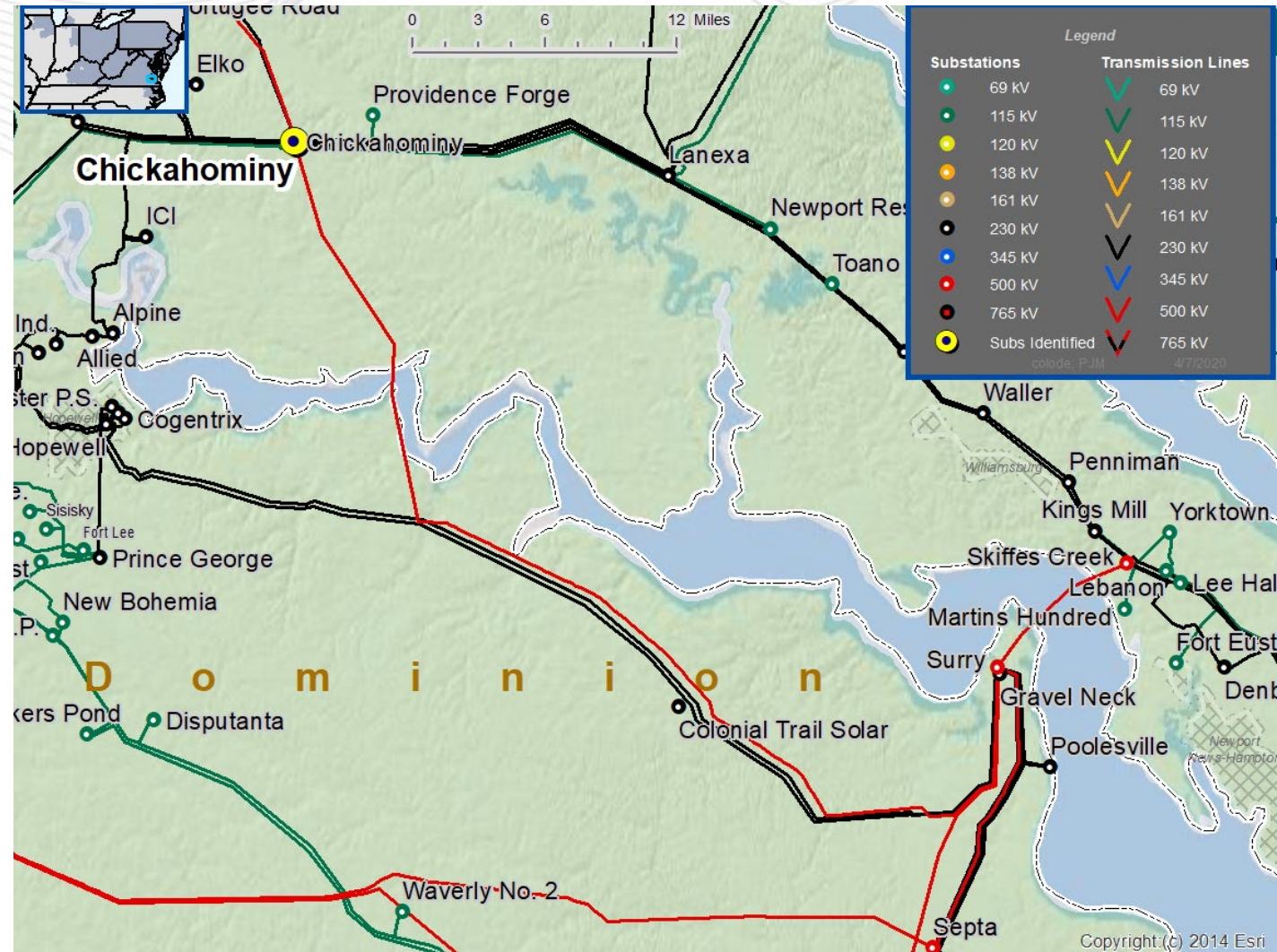
Recommend Solution: (b3213)

- Install a 2nd Chickahominy 500/230 kV transformer
- Relocate the Chickahominy – Elmont 500kV line #557 to terminate in a new bay at Chickahominy substation and relocate the Chesterfield – Lanexa 115kV line #92 to allow for the expansion of the Chickahominy substation
- Add three new 500 kV breakers with 50kA interrupting rating and associated equipment

Required In-Service: 6/1/2023

Projected In-Service: 6/1/2023

Estimated Project Cost: ~~\$22M~~ \$31.05M





2020 RTEP Window 4

- Criteria associated with the need to establish a baseline upgrade in this window has been removed
- PJM will not move forward with planning a baseline reinforcement in the RTEP for the issues identified in 2020 RTEP Window 4
- PJM has discontinued reviews of the proposals received for this window and is determining next steps



2021 RTEP

- Current schedule (currently targeting the schedule below)
 - Post updates to models as required
 - Preliminary violations posted (continue to update postings and will send notice to TEAC list when changes are made to the posted files)
 - PJM reviewing FERC Form 715 analysis results from transmission owners
 - PJM primarily working through N-1-1 and Load Deliverability analysis
 - Targeting third week of June to open 2021 RTEP proposal window

- The Transource 9A Market Efficiency project construction schedule is being impacted due to siting process
- PJM is preparing for a retool of the 2021 RTEP to examine the impacts for the delay to the projected completion
- PJM working to update modeling to perform sensitivity study to determine reliability impacts associated with the removal of the 9A project from the case used to perform the 2021 RTEP



2021 SAA Proposal Window to Support NJ OSW

- PJM is soliciting project proposals to build the necessary transmission to meet New Jersey's goal of facilitating the delivery of a total of 7,500 MW of offshore wind through 2035
 - Anticipated Schedule
 - Open Window April 15
 - Pre-bid meeting May 5
 - Close Window August 13

Facilitator:
Sue Glatz,
Suzanne.Glatz@pjm.com

Secretary:
Mike Zhang,
Michael.Zhang@pjm.com

SME/Presenter:
Aaron Berner,
Aaron.Berner@pjm.com

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Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com

Version No.	Date	Description
1	6/1/2021	<ul style="list-style-type: none">• Original slides posted
2	6/3/2021	<ul style="list-style-type: none">• Added new slides 2 & 3 to discuss 2020 RTEP Window 4
3	6/7/2021	<ul style="list-style-type: none">• Added new slides 2 & 3 to discuss change to existing baseline upgrade b3213