

SRRTEP Committee Southern Dominion Supplemental Projects

February 11, 2020

Solutions

Stakeholders must submit any comments within 10 days of this meeting in order to provide time necessary to consider these comments prior to the next phase of the M-3 process

Dominion Transmission Zone: Supplemental Customer Load Request

Need Number: DOM-2019-0025

Process Stage: Solutions Meeting 02/11/2020

Previously Presented: Need Meeting 07/11/2019

Project Driver: Customer Service

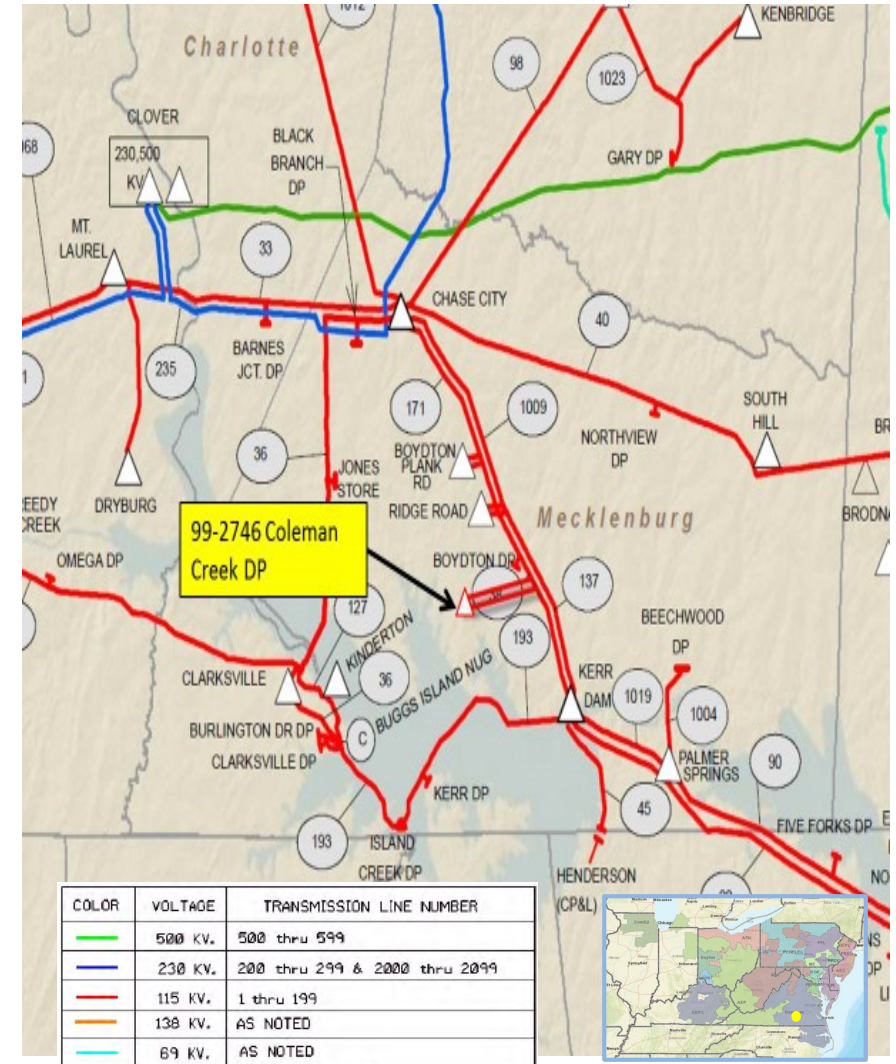
Specific Assumption References:

Customer load request will be evaluated per Dominion’s Facility Interconnections Requirements Document & Dominion’s Transmission Planning Criteria.

Problem Statement:

ODEC has submitted a request on behalf of Mecklenburg Electric Coop (MEC) for a new delivery point (Coleman Creek) at Boydton, VA, to support a new datacenter campus with a total load in excess of 100 MW. The customer requests service by August 1, 2020.

Initial In-Service Load	Projected 2024 Load
Summer: 10 MW	Summer: 150 MW



Dominion Transmission Zone: Supplemental Coleman Creek 115kV DP - MEC

Need Number: DOM-2019-0025

Process Stage: Solutions Meeting 02/11/2020

Proposed Solution:

Obtain land and build a 115kV switching station adjacent to MEC's new Coleman Creek DP. Split Line #38 (Kerr Dam - Boydton Plank Rd), extend a double circuit 115kV line for approximately 1.76 miles (new right-of-way) and terminate both lines into the new switching station. The switching station will consist of one breaker separating the two new lines. Provide one 115 kV line to serve MEC's new DP. Additionally, a 33 MVAR capacitor bank will be required at Herbert to provide additional voltage support.

Estimated Project Cost: \$16 M

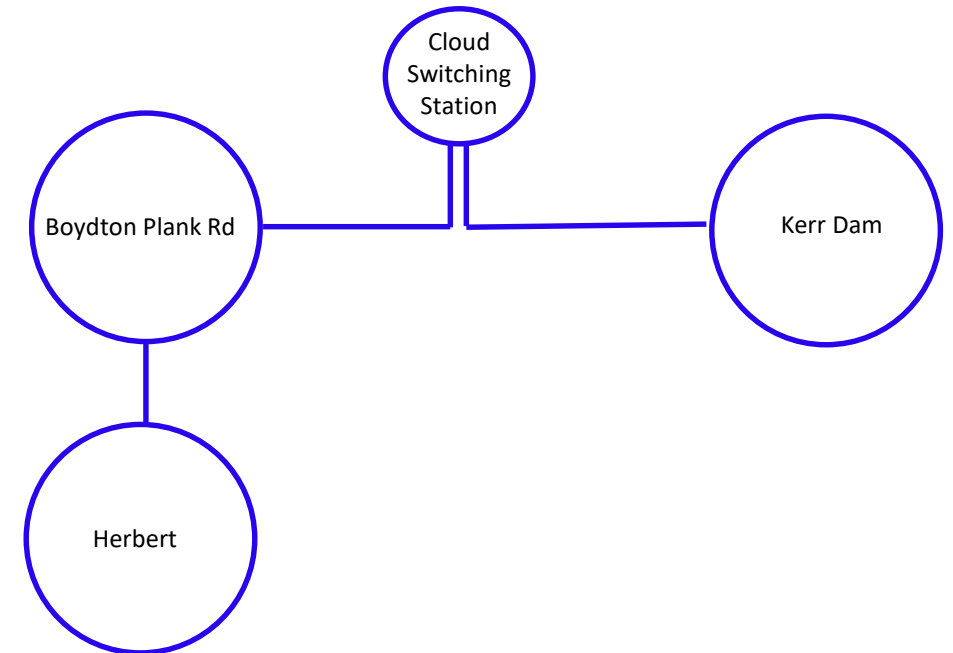
Alternatives Considered:

No feasible alternatives

Projected In-service Date: 11/30/2020

Project Status: Engineering

Model: 2023 RTEP



Appendix

High level M-3 Meeting Schedule

Assumptions	Activity	Timing
	Posting of TO Assumptions Meeting information	20 days before Assumptions Meeting
	Stakeholder comments	10 days after Assumptions Meeting
Needs	Activity	Timing
	TOs and Stakeholders Post Needs Meeting slides	10 days before Needs Meeting
	Stakeholder comments	10 days after Needs Meeting
Solutions	Activity	Timing
	TOs and Stakeholders Post Solutions Meeting slides	10 days before Solutions Meeting
	Stakeholder comments	10 days after Solutions Meeting
Submission of Supplemental Projects & Local Plan	Activity	Timing
	Do No Harm (DNH) analysis for selected solution	Prior to posting selected solution
	Post selected solution(s)	Following completion of DNH analysis
	Stakeholder comments	10 days prior to Local Plan Submission for integration into RTEP
	Local Plan submitted to PJM for integration into RTEP	Following review and consideration of comments received after posting of selected solutions

Revision History

01/31/2020 – V1 – Original version posted to pjm.com