

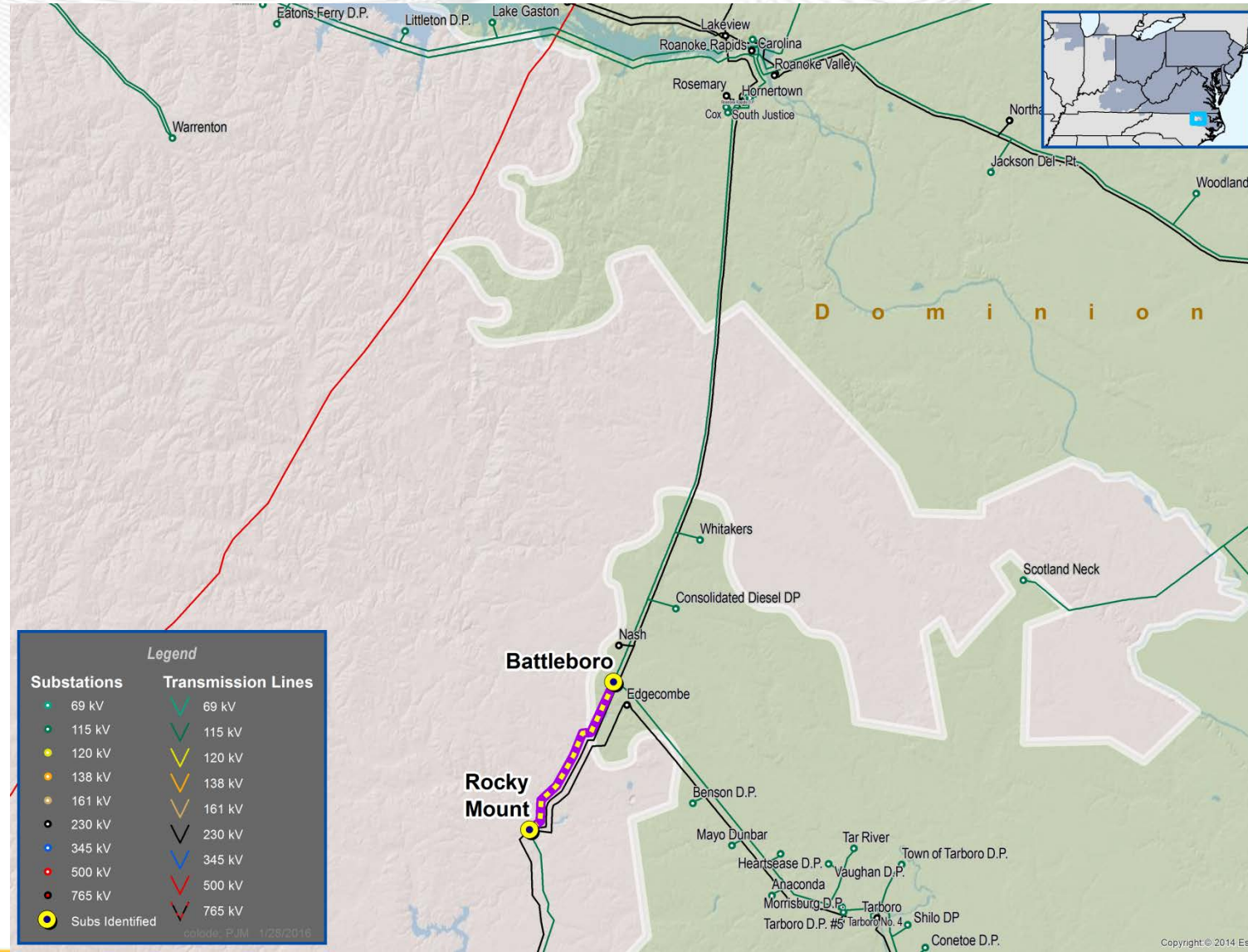


Sub-Regional RTEP Committee PJM South

February 4, 2016



Dominion Transmission Zone



Project Scope Change to Existing Project: B1794

Problem: N-1 Thermal Violation

- Overload of Rocky Mt - Battleboro 115kV for the loss of Battleboro – Carolina 115kV

Previous Scope:

- Build a new substation near Edgecombe NUG to be called Morning Star Substation with a 230-115kV Tx, 4-230kV breakers in a breaker and half scheme, 3-115kV breakers in a ring. Re-configure Lines 80, 229 and 2058 to terminate into Morning Star Substation.

Reason for Revision

- Original land acquisition was no longer available therefore, a new site was pursued just west of Edgecombe NUG near Hathaway Road (B1794)

New Scope:

- Build a new switching station west of Edgecombe NUG to be called Hathaway Switching Station (previously called Morning Star) with a 230-115kV Tx, 5-230kV breakers in a breaker and half scheme, 4-115kV breakers in a ring. Re-configure Battleboro – Benson 115kV, Nash – Hornertown 230kV, and Edgecombe Nug – Rocky Mt. 230V to terminate into Hathaway Substation (B1794)

Estimated Cost: \$19 M

Projected IS Date: 05/01/2017



Dominion Transmission Zone

Project Cost Change to Existing Project: B2186

Problem: N-1-1 Thermal Violation

- The loss of Carolina – Earleys 115 kV and the Earleys 230-115kV transformer overloads Boykins – Tunis 115kV

Project Scope:

- Install a 2nd 230-115kV transformer at Earleys connected to the existing 115kV and 230kV ring busses. Add a 115kV breaker and 230kV breaker to the ring busses. (B2186)

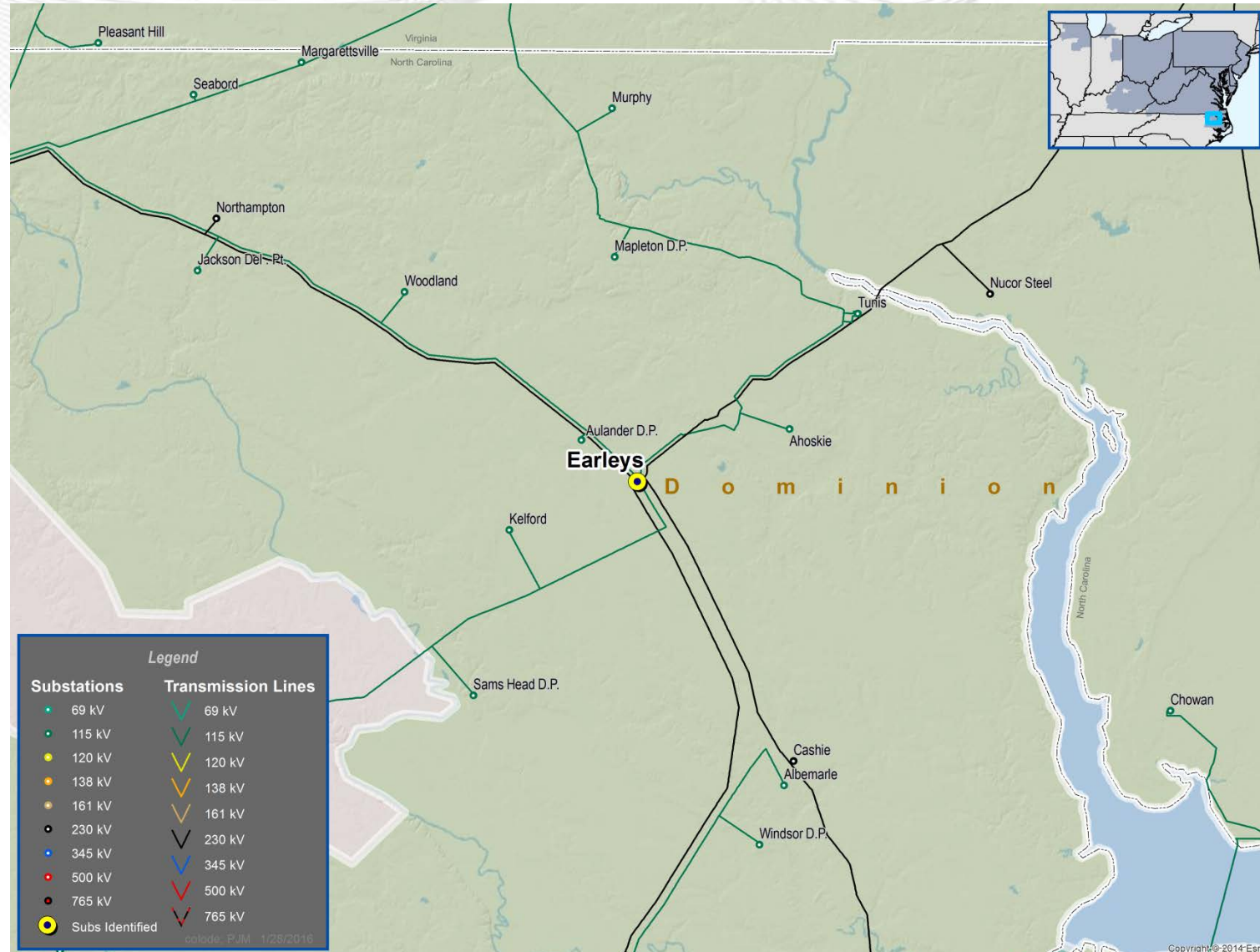
Reason for Cost Change:

- Cost changes reflect increase in construction costs due to equipment being relocated to allow for installation of the required 2nd transformer.

Original Estimated Cost: \$6.0 M

Revised Estimated Cost: \$ 11.5 M

Projected IS Date: 6/1/2017



Project Scope Change to Existing Project: B2624

Problem:

- End of Life Criteria - 115kV Lines #18 and #145 are approximately 8.35 miles long and were constructed on double-circuit, 3-pole wood H-frame structures in the timeframe between 1948 and 1954..
- System Impact Assessment - Failure of Lines #18 & #145 would permanently drop 68.5 MW of load

Previous Scope:

- Rebuild 115kV Lines #18 and #145 between Possum Point Generating Station and NOVEC's Smoketown DP (approx. 8.35 miles) to current 230kV standards with a normal continuous summer rating of 524 MVA at 115kV) (B2624)

New Scope:

- Rebuild 115kV Lines #18 and #145 between Possum Point Generating Station and NOVEC's Smoketown DP (approx. 8.35 miles) to current 115kV standards with a normal continuous summer rating of 353 MVA (B2624)

Estimated Project Cost: \$24.7 M

Projected IS Date: 12/31/2016

