



# Sub Regional RTEP Committee PJM South

November 18, 2020

- The following definitions explain the basis for excluding flowgates and/or projects from the competitive planning process and designating projects to the incumbent Transmission Owner.
- Flowgates/projects excluded from competition will include the underlined language on the corresponding slide.
  - Immediate Need Exclusion: Due to the immediate need of the violation (3 years or less), the timing required for an RTEP proposal window is infeasible. As a result, the local Transmission Owner will be the Designated Entity. - Operating Agreement, Schedule 6 § 1.5.8(m)
  - Below 200kV Exclusion: Due to the lower voltage level of the identified violation(s), the driver(s) for this project are excluded from the competitive proposal window process. As a result, the local Transmission Owner will be the Designated Entity - Operating Agreement, Schedule 6 § 1.5.8(n)
  - Substation Equipment Exclusion: Due to identification of the limiting element(s) as substation equipment, the driver(s) for this project are excluded from the competitive proposal window process. As a result, the local Transmission Owner will be the Designated Entity - Operating Agreement, Schedule 6 § 1.5.8(p)

# Scope Change

**Existing b3161 Scope Modification**

**Previously Presented:** PJM SRRTEP 02/11/2020

**Criteria:** Dominion’s FERC 715 Planning Criteria (C.2.7 –Limitations on Direct Connect Loads)

**Assumption Reference:** Dominion Energy’s Facility Interconnection Requirements

**Model Used for Analysis:** 2024 RTEP Summer

**Proposal Window Exclusion:** Below 200kV, FERC 715 (TO Criteria)

**Problem Statement:** 115kV Line #72 (Chesterfield to Plaza) exceeds the Company’s limitation of serving 4 tapped facilities on one transmission line. The line serves 5 tap stations: National Cylinder Gas, Bellwood, Brown Boveri, Kingsland, and Reymet. Also, the tap line serving Brown Boveri, built in the 1970’s with a length of 1.1 miles, does not meet the company’s requirement of a terminal station for tap lines longer than one mile.

**Original Solution: (Old)**

Split Line #72 by rebuilding the Brown Boveri tap line as double circuit loop in-and-out of the station. **(b3161.1)**

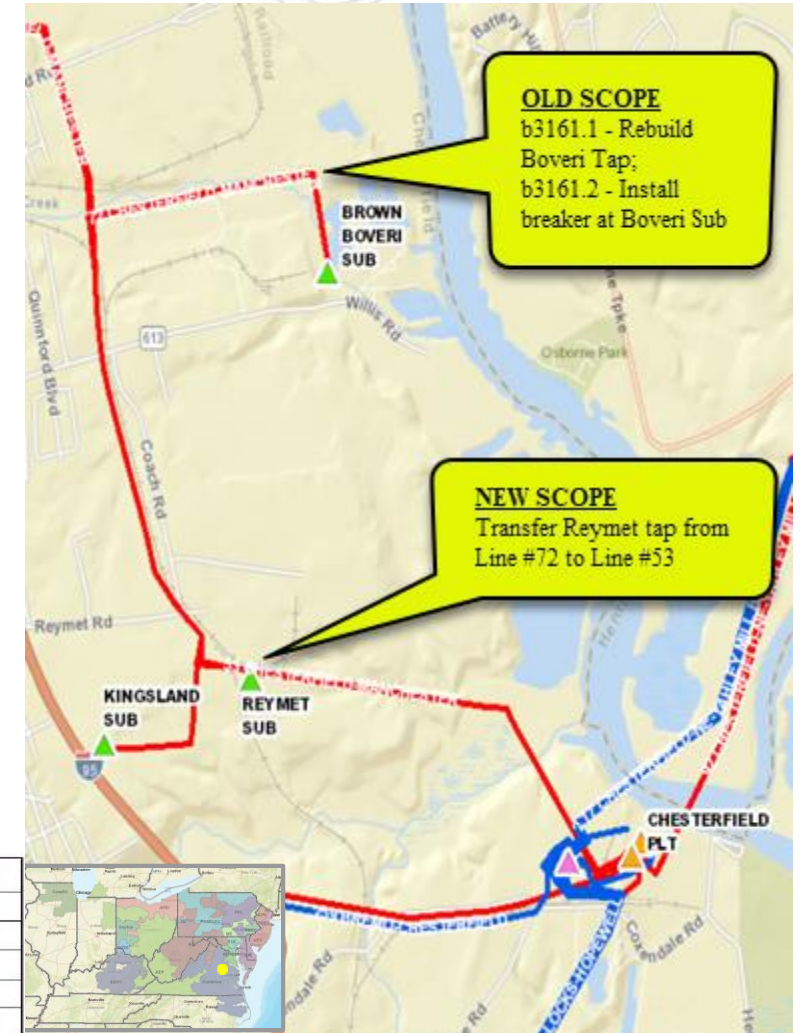
- **Estimated Cost:**\$3.0M

Install a 115kV breaker at the station. Site expansion is required to accommodate the new layout. **(b3161.2)**

- **Estimated Cost:**\$2.3M

**Total Estimated Baseline Cost:** \$5.3M

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COLOR	VOLTAGE	TRANSMISSION LINE NUMBER
Green	500 KV.	500 thru 599
Blue	230 KV.	200 thru 299 & 2000 thru 2099
Red	115 KV.	1 thru 199
Orange	138 KV.	AS NOTED
Cyan	69 KV.	AS NOTED





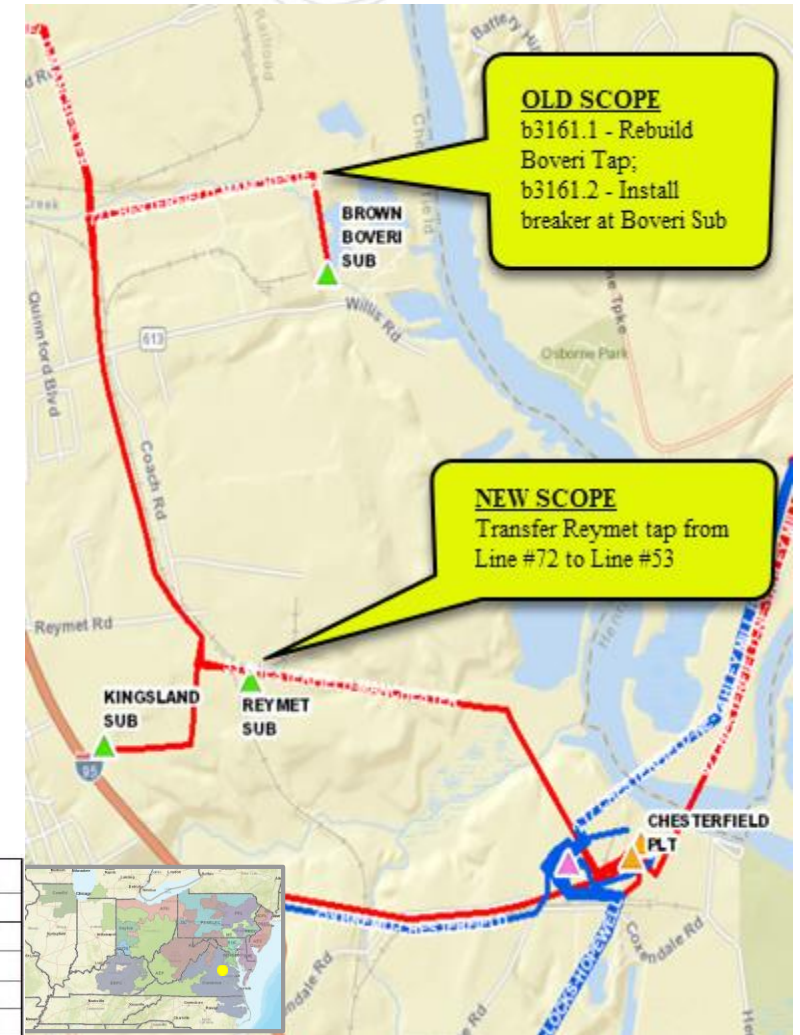
**Revised Solution: (New)**

Install two, 2000 Amp, 115kV line switches. Extend Reymet fence and bus to allow installation of risers to Line #53.

**Estimated Cost:** \$3.0M

**Required In-service Date:** 6/1/2024

**Projected In-service Date:** 12/31/2023



# Next Steps

# Questions?





## Revision History

11/6/2020 – V1 – Original version posted to [pjm.com](http://pjm.com)