

# Reliability Analysis Update

Benjamin Fiedler, Stanley Sliwa  
Sub Regional RTEP Committee - PJM South

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# Recommended Solutions (Second Reads) Baseline Reliability Projects

**Process Stage:** Recommended Solution

**Criteria:** Light Load Generation Deliverability

**Assumption Reference:** 2030 RTEP assumption

**Model Used for Analysis:** 2030 RTEP Light Load Case

**Proposal Window Exclusion:** Below 200 kV Exclusion

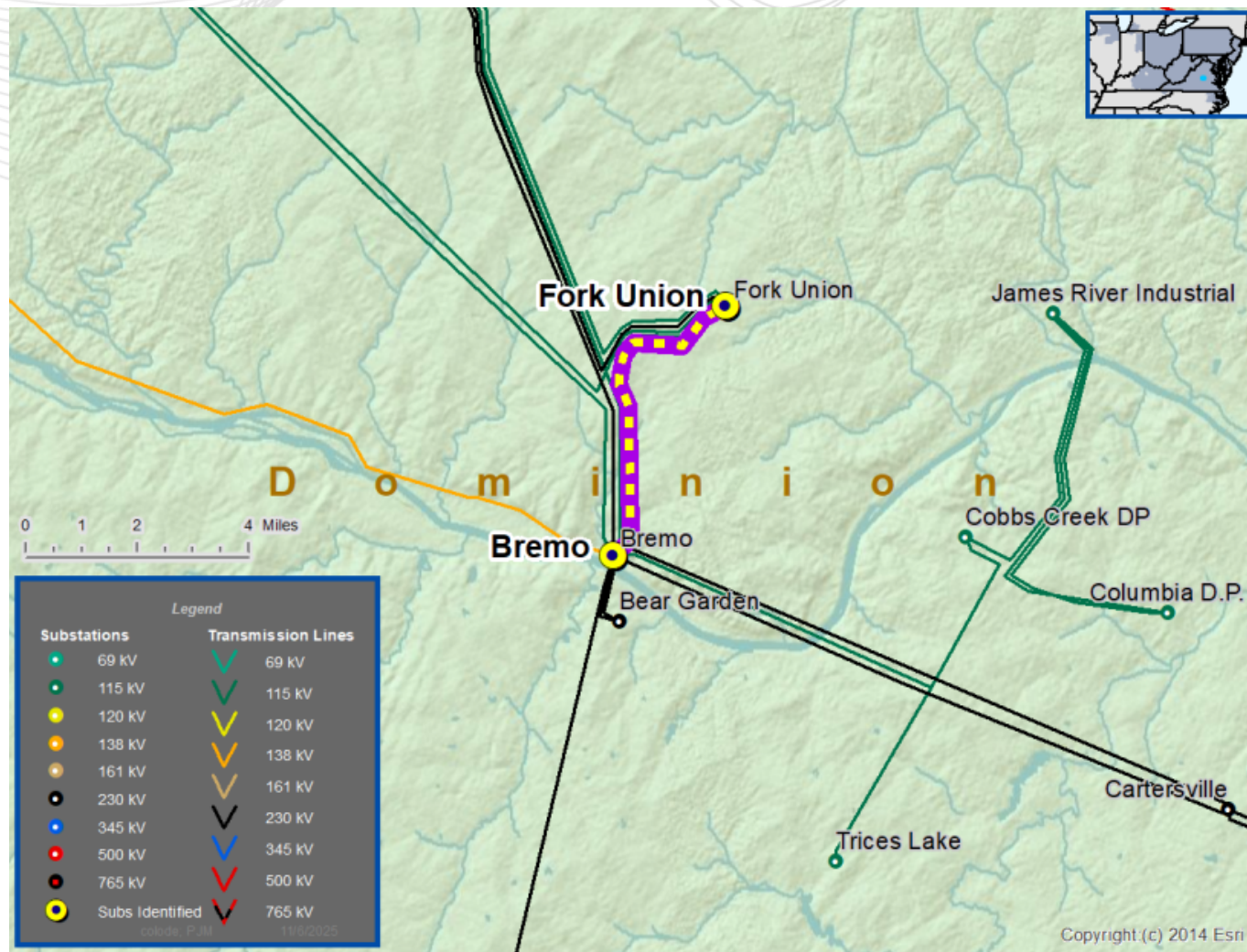
**Problem Statement:** The line #5 Bremo – Fork Union 115kV line is overloaded for a single contingency.

Violations were posted as part of the 2025 Window 1:

2025-W1-GD-LL26

**Existing Facility Rating:**

Branch	SN/SE/WN/WE (MVA)
Bremo – Fork Union 115 kV	302/335/384/409





## Recommended Solution:

- Wreck and rebuild 115kV line #5 from Bremon to Fork Union using a larger conductor with minimum summer emergency rating of 393MVA.

**Estimated Cost: \$5M (b4031.1)**

- Upgrade all relevant substation equipment at Bremon substation that are below 2000A to accommodate the upgraded line #5. **Estimated Cost: \$1M (b4031.2)**

- Upgrade all relevant substation equipment at Fork Union substations that are below 2000A to accommodate the upgraded line #5. **Estimated Cost: \$1M (b4031.3)**

**Estimated Cost: \$7M**

## Preliminary Facility Rating:

Branch	SN/SE/WN/WE (MVA)
Bremon – Fork Union 115 kV	393/393/412/412

## Alternatives:

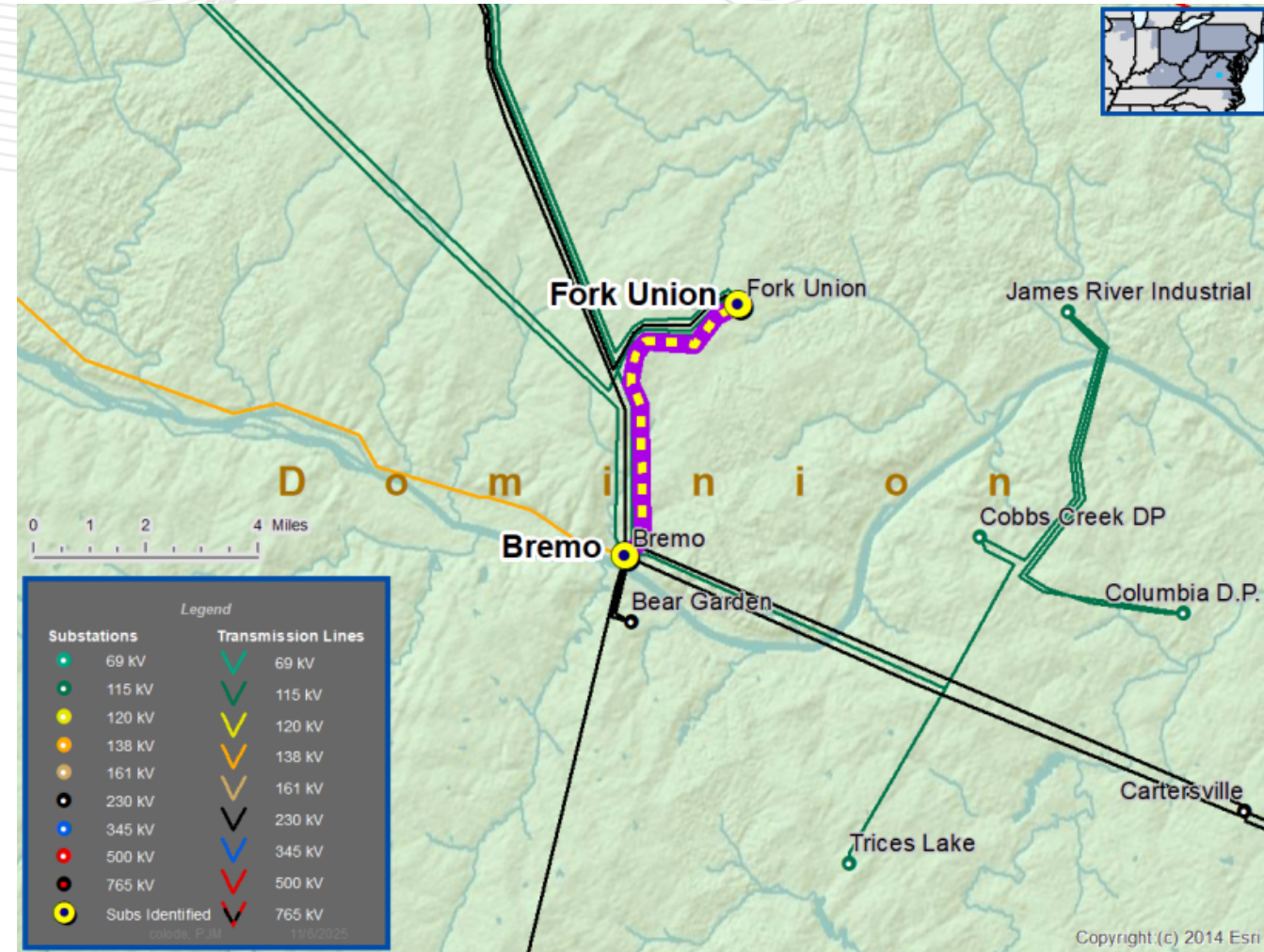
- N/A

## Required IS Date:

- 6/1/2030

## Projected IS Date:

- 6/1/2030



Facilitator:  
Matthew Wharton,  
[Matthew.Wharton@pjm.com](mailto:Matthew.Wharton@pjm.com)

Secretary:  
Katherine Graham,  
[Katherine.Graham@pjm.com](mailto:Katherine.Graham@pjm.com)

SME/Presenters:  
Ben Fiedler, [Benjamin.Fiedler@pjm.com](mailto:Benjamin.Fiedler@pjm.com)  
Stan Sliwa, [Stanley.Sliwa@pjm.com](mailto:Stanley.Sliwa@pjm.com)

## Reliability Analysis Update



### Member Hotline

(610) 666 – 8980

(866) 400 – 8980

[custsvc@pjm.com](mailto:custsvc@pjm.com)

Version No.	Date	Description
1	December 8, 2024	<ul style="list-style-type: none"><li>Original slides posted</li></ul>