



# Sub Regional RTEP Committee PJM West

April 23, 2019

- 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: 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)
  - FERC 715 (TO Criteria): Due to the violation need of this project resulting solely from FERC 715 TO Reliability Criteria, 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(o)
  - Substation Equipment: 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)

## B2761.1 – Scope Clarification /Cost Update

Previously Presented: 10/6/2016 SRRTEP

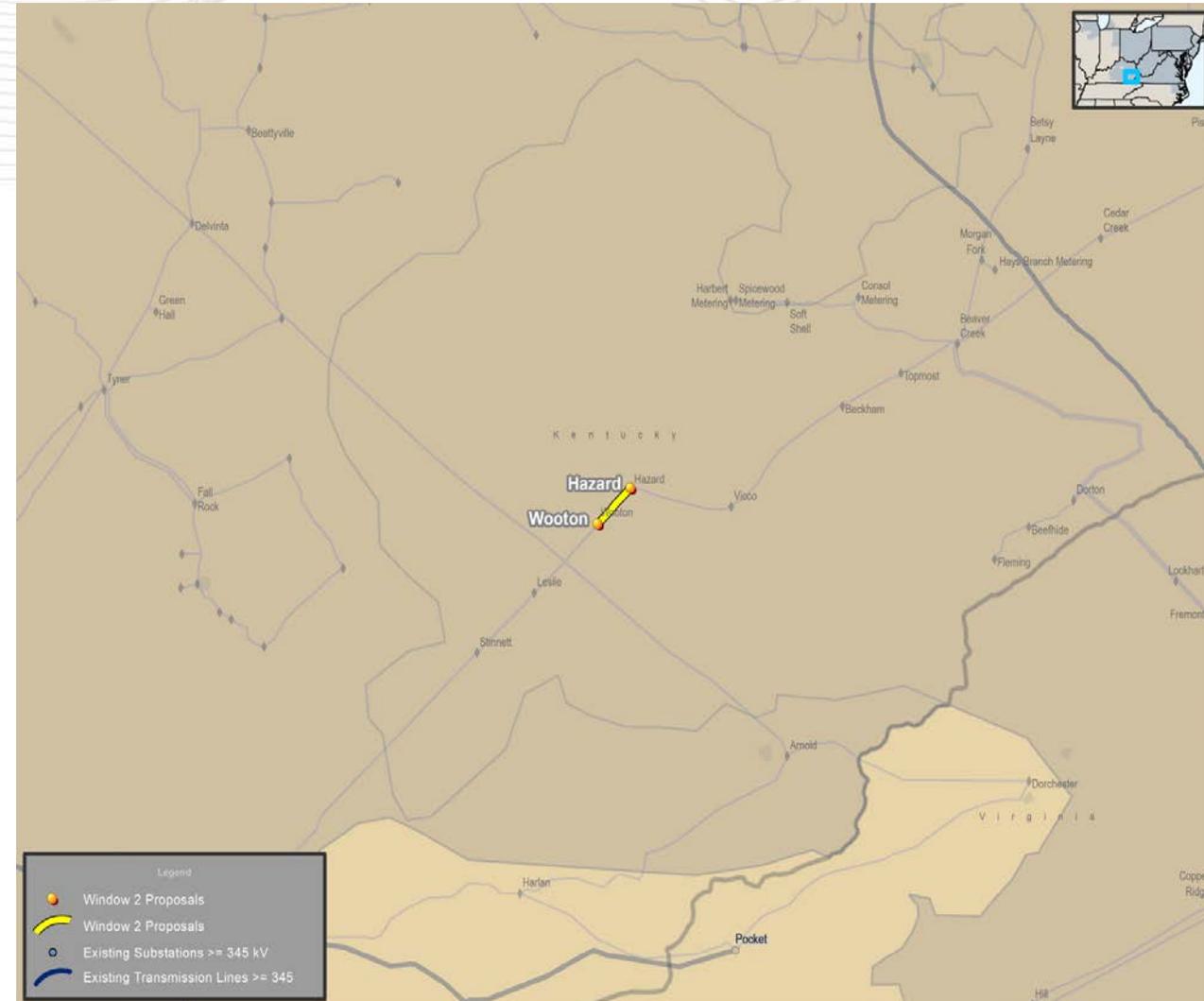
**Original Scope Description:** Replace the Hazard 161/138 kV Transformer

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

**New Scope Description:** Replace **and relocate** the Hazard 161/138 kV Transformer **and circuit breaker 'M'**. Upgrade protection scheme on the new Transformer including installation of low side breaker.

**New Estimated Cost: \$ 3.8 M**

**Required IS Date: 6/1/2021**



**B2761.3 –Scope Clarification/Cost Update**  
**Previously Presented: 9/11/2017 SR RTEP**

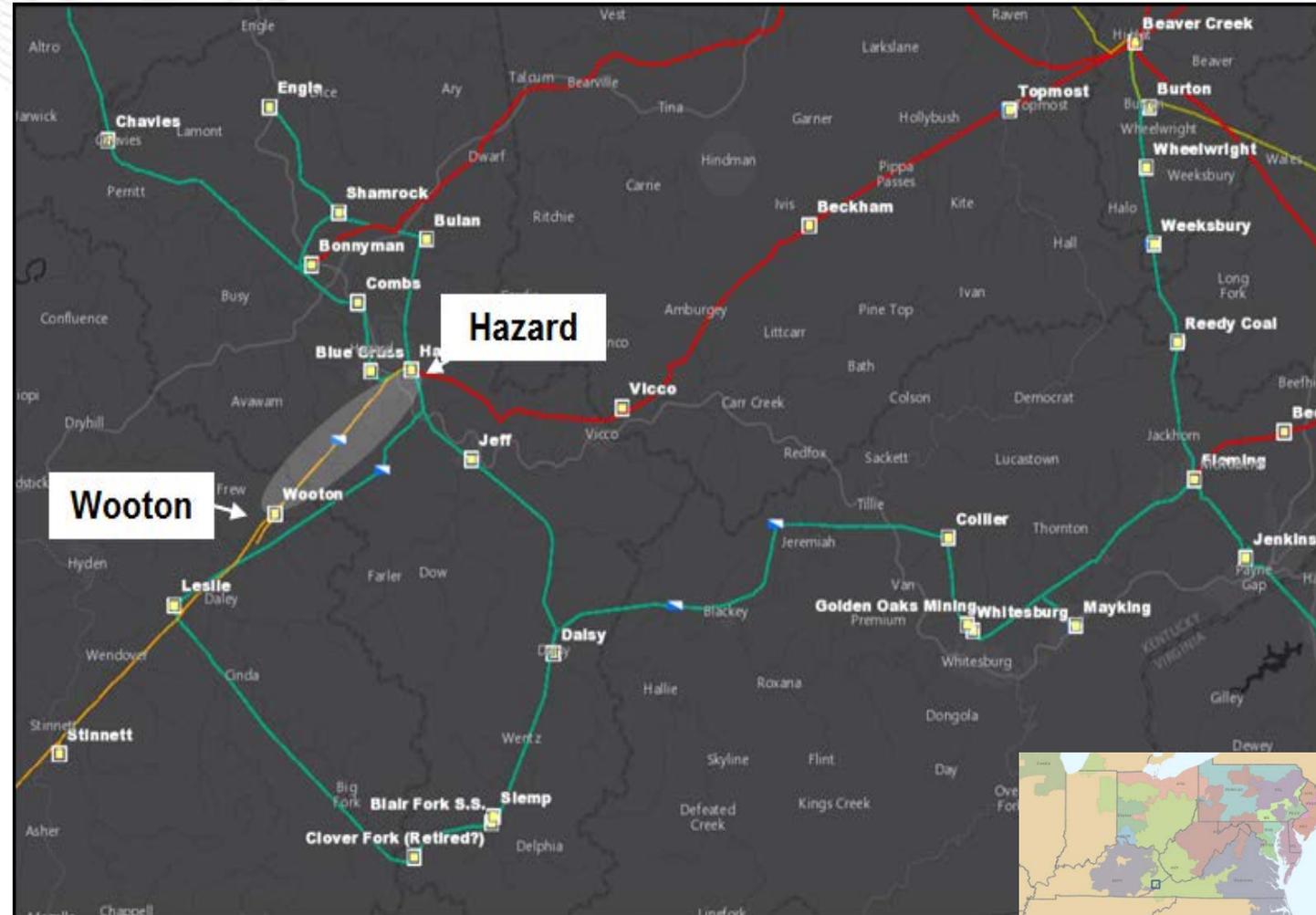
**Original Scope Description:** Rebuild the Hazard – Wooton 161 kV line utilizing 795 26/7 ACSR conductor (300 MVA rating).

**Original Estimated Cost: \$16.48 M**

**New Scope Description:** Rebuild the Hazard – Wooton 161 kV line utilizing 795 26/7 ACSR conductor (300 MVA rating). **Replace line relaying and associated termination equipment .**

**New Estimated Cost: \$16.8 M**

**Required In-service: 6/1/2021**



# First Review

## Baseline Reliability Projects



# AEP Transmission Zone: Baseline Decatur, Indiana

## TO Criteria Violation

### Problem Statement:

In 2022 and 2023 RTEP cases, the following issues were observed:  
 Upon loss of Magley – Decatur 69 kV and Lincoln 138/69/34.5 kV XF,  
 Berne – Monroe 69 kV circuit overloads to 154% of the 50 MVA 4/0  
 ACSR; Monroe – South Decatur 69 kV circuit overloads to 137% of the  
 50 MVA 4/0 ACSR.  
 Additionally, Decatur – Berne 69 kV line is 1966 vintage wood pole line.

### Potential Solution:

Rebuild the 10.5 mile Berne – South Decatur 69 kV line using 556 ACSR  
 in order to alleviate the overload and address a deteriorating asset.

### Alternatives:

No viable alternatives were identified.

**Estimated Transmission Cost:** \$16.6 M

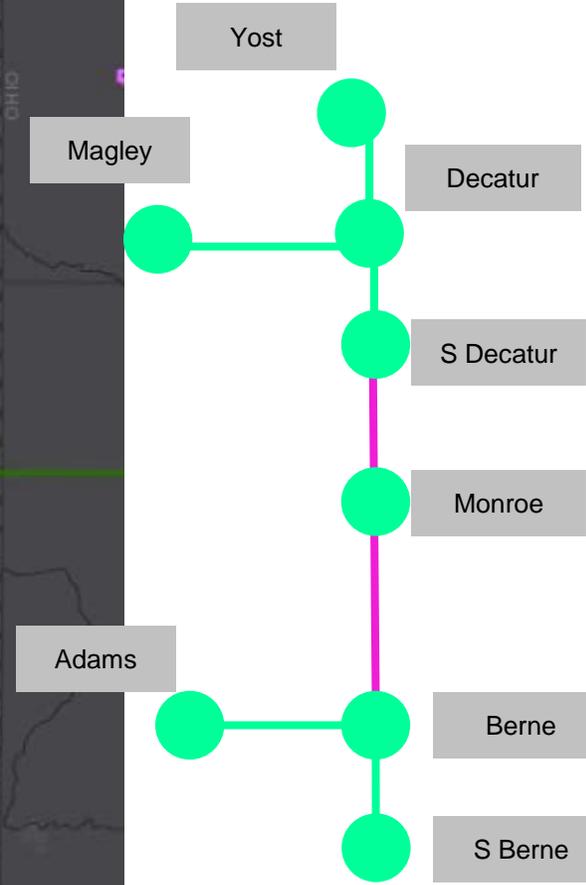
**Required IS Date:** 6/1/2022

**Projected IS Date:** 6/1/2022

**Project Status:** Scoping

Legend	
500 kV	
345 kV	
138 kV	
69 kV	
34.5 kV	
23 kV	
New	

Circuit Centerline	
7	
12	
14	
23	
34	
40	
46	
69	
88	
115	
138	
161	
230	
345	
500	
765	



# Second Review

## Baseline Reliability Projects

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# Next Steps

## Upcoming Western SRRTEP Dates

West	Start	End
5/20/2019	12:00	4:00
6/17/2019	12:00	4:00

Questions?





# Revision History

4/16/2019 – V1 – Original version posted to [pjm.com](http://pjm.com)

4/18/2019 – V2 – Remove Slide #8