Sub Regional RTEP Committee
PJM West

March 25, 2019

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Proposal Window Exclusion Definitions

- 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 200 kV 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)
  - FERC 715 (TO Criteria) Exclusion: 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 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)

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Second Review

Baseline Reliability Projects

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ComEd Transmission Zone: Baseline
E. Frankfort Station

Previously Presented on 2/20/2019 SRRTEP

TO Criteria Violation

Problem Statement:

Instability at TSS 946 University Park E.C. for a 3-phase-to-gound fault at the 80% of 138kV line L6603 from E. Frankfort 138kV blue bus w/ delayed clearing at E. Frankfort 138kV blue bus.

Selected Solution:

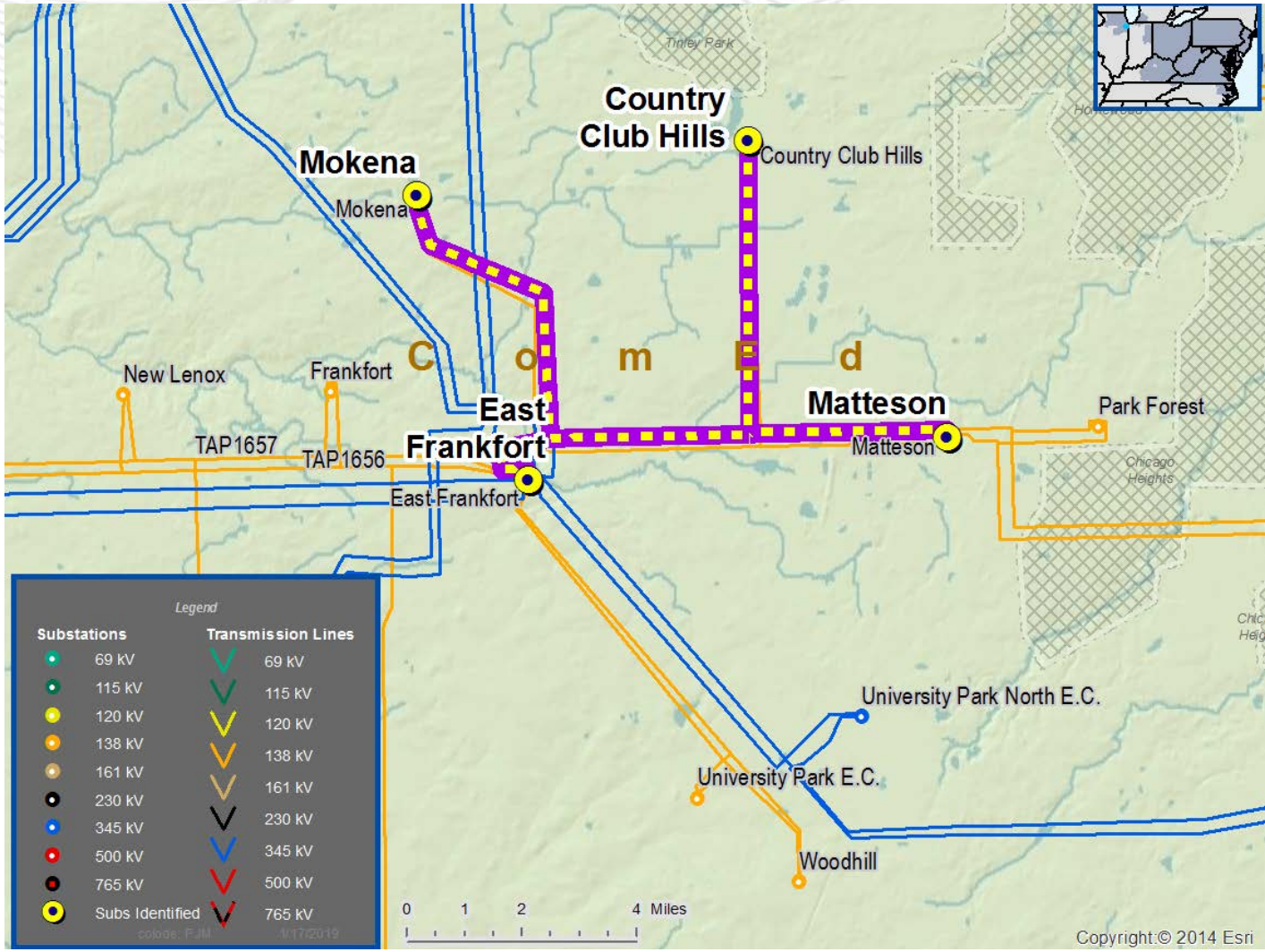
Installing high-speed backup clearing scheme on the E. Frankfort – Matteson 138kV line (L6603) (B3111)

Estimated Project Cost : $0.5M

Required IS Date: 6/1/2020

Projected IS date: 6/1/2020

Status: Planning



AEP Transmission Zone: Baseline
Dublin, Ohio

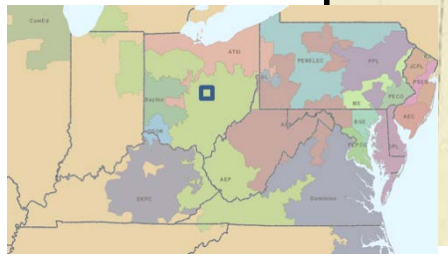
Previously Presented on 2/20/2019 SRRTEP

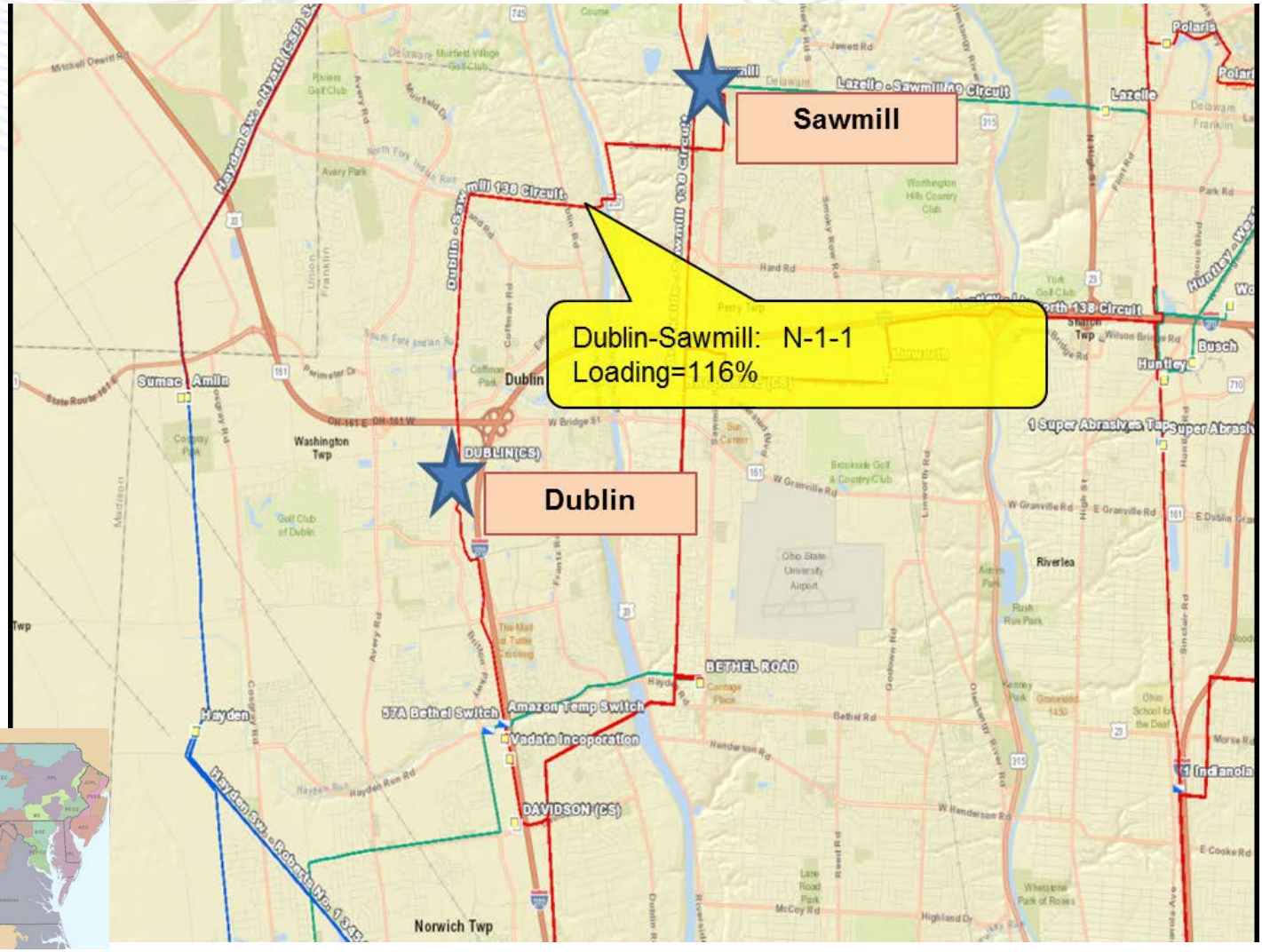
TO Criteria Violation

Problem Statement:

Due to load increase in the area (Jug Street, Sumac, and Britton), the Dublin-Sawmill 138 kV circuit will be overloaded to 116% under N-1-1 conditions involving the loss of Bethel-Davidson 138 kV & Davidson-Roberts 138 kV circuits starting in 2022.

Additionally, AEP-Ohio has requested a third 138 kV source to Dublin station to maintain acceptable reliability levels for the load at risk. Dublin Station serves 75 MVA of peak demand with minimal load transfer capability. Dublin station serves some critical loads.





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AEP Transmission Zone: Baseline
Dublin, Ohio

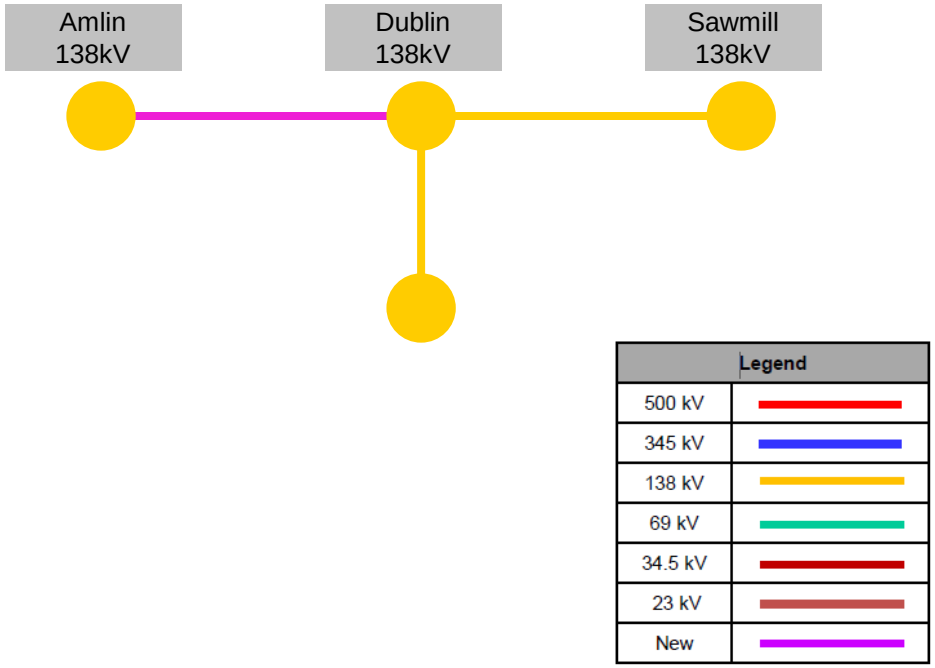
Selected Solution:
Construct a single circuit 138 kV line (~3.5 miles) from Amlin to Dublin using 1033 ACSR Curlew (296 MVA SN), convert Dublin Station into a ring configuration, and re-terminating the Britton UG cable to Dublin Station. (B3112)

Total Estimated Transmission Cost: $39.29M

Required IS Date: 6/1/2022

Projected IS Date: 6/1/2020

Project Status: Scoping/Engineering



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Next Steps

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Upcoming Western SRRTEP Dates

West	Start	End
4/23/2019	12:00	4:00
5/20/2019	12:00	4:00
6/17/2019	12:00	4:00

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Questions?

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Revision History

3/20/2019 – V1 – Original version posted to pjm.com

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