Transmission Expansion Advisory Committee: WVPA Supplemental Projects

Solutions

Stakeholders must submit any comments within 10 days of this meeting in order to provide time necessary to consider these comments prior to the next phase of the M-3 process



Need Number: WVPA-2025-001

Process Stage: Solution Meeting TEAC - 04/01/2025
Previously Presented: Need Meeting 03/04/2025
Supplemental Project Driver: Other: Asset Integration

Specific Assumption Reference: Local Needs and PJM

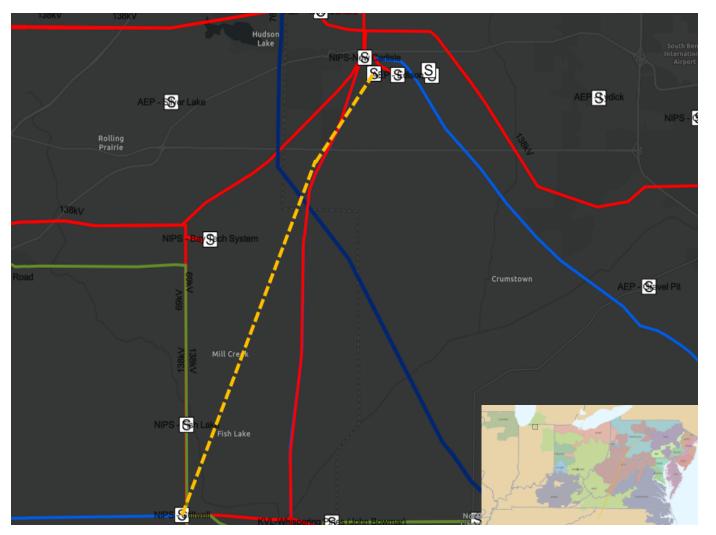
Attachment M-3 (WVPA Assumptions Slide 6)

Problem Statement:

WVPA needs to create a new interconnection between AEP's Elderberry Substation (PJM), which will require expansion, to NIPSCO's Stillwell substation (MISO). This is for increased system reliability, integration of assets, and delivery of energy to the MISO market.

The requested in-service date for the project is 12/31/2028.

WVPA Transmission Zone M-3 Process Elderberry, IN/Stillwell, IN





Need number(s): WVPA-2025-001

Process Stage: Solution Meeting TEAC - 04/01/2025

Proposed Solution:

Elderberry-Stillwell 345kV Line: Construct 15 miles of new 345kV line between AEP's Elderberry Substation and NIPSCOs Stillwell Substation. This line will be a MISO facility and has been studied through MISO's planning process. It is being submitted to facilitate study coordination between the two RTOs..

Estimated Cost: \$0M (\$75 M covered by MISO)

Elderberry Expansion: Expand the Elderberry 345kV bus to add a new line terminal. This terminal will transition to a MISO facility following completion of the project.. Estimated Cost: \$0M (\$5 M covered by MISO)

Transmission Cost Estimate: \$0M (\$80 M covered by MISO)

Alternatives Considered:

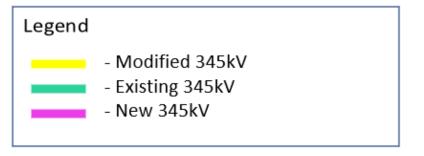
N/A

Projected In-Service: 12/31/2028

Project Status: Conceptual



WVPA Transmission Zone M-3 Process Elderberry, IN/Stillwell, IN



Appendix

High Level M-3 Meeting Schedule

Activity	Timing
Posting of TO Assumptions Meeting information	20 days before Assumptions Meeting
Stakeholder comments	10 days after Assumptions Meeting

Needs

Activity	Timing
TOs and Stakeholders Post Needs Meeting slides	10 days before Needs Meeting
Stakeholder comments	10 days after Needs Meeting

Solutions

Activity	Timing
TOs and Stakeholders Post Solutions Meeting slides	10 days before Solutions Meeting
Stakeholder comments	10 days after Solutions Meeting

Submission of Supplemental Projects & Local Plan

Activity	Timing
Do No Harm (DNH) analysis for selected solution	Prior to posting selected solution
Post selected solution(s)	Following completion of DNH analysis
Stakeholder comments	10 days prior to Local Plan Submission for integration into RTEP
Local Plan submitted to PJM for integration into RTEP	Following review and consideration of comments received after posting of selected solutions

Revision History

3/21/2025 – V1 – Original version posted to pjm.com

4/7/2025 – V2 – Slide #4, Add clarification on costs