

Submission of Supplemental Projects for Inclusion in the Local Plan

WVPA Local Plan - 2025

Need Number: WVPA-2025-001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 7/9/2025

Previously Presented: Solution Meeting 04/01/2025,
Need Meeting 03/04/2025

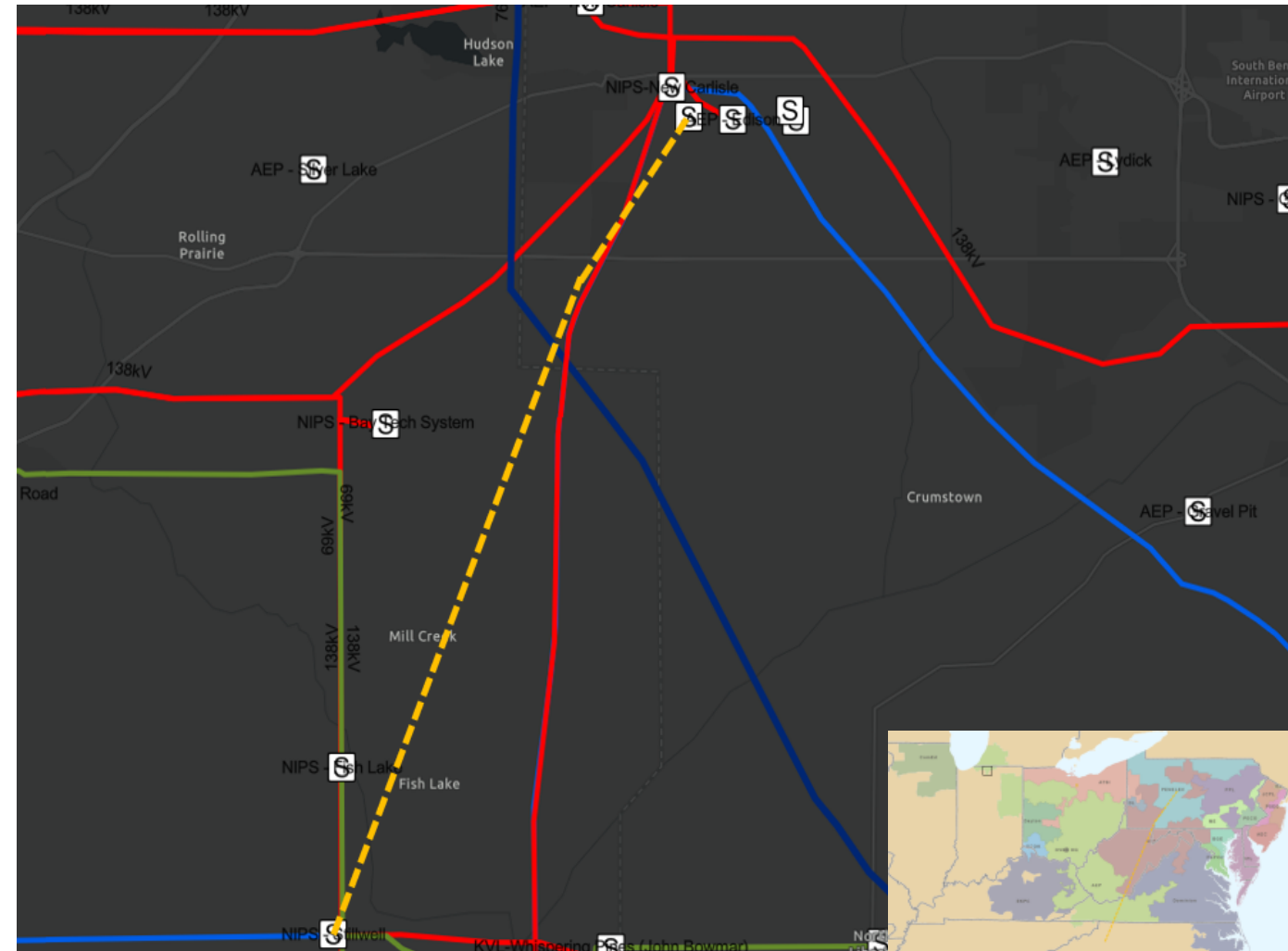
Supplemental Project Driver: Other: Asset Integration

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.



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Proposed Solution:

Elderberry-Stillwell 345kV Line: Construct 15 miles of new 345kV line between AEP's Elderberry Substation and NIPSCO's 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**). (s3632.1)

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**) (s3632.2)

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

Alternatives Considered:

N/A

Supplemental Project ID: s3632.1-2

Projected In-Service: 12/31/2028



Revision History

7/09/2025 – V1 Added slides #1-3: s3632.1-2