

# 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

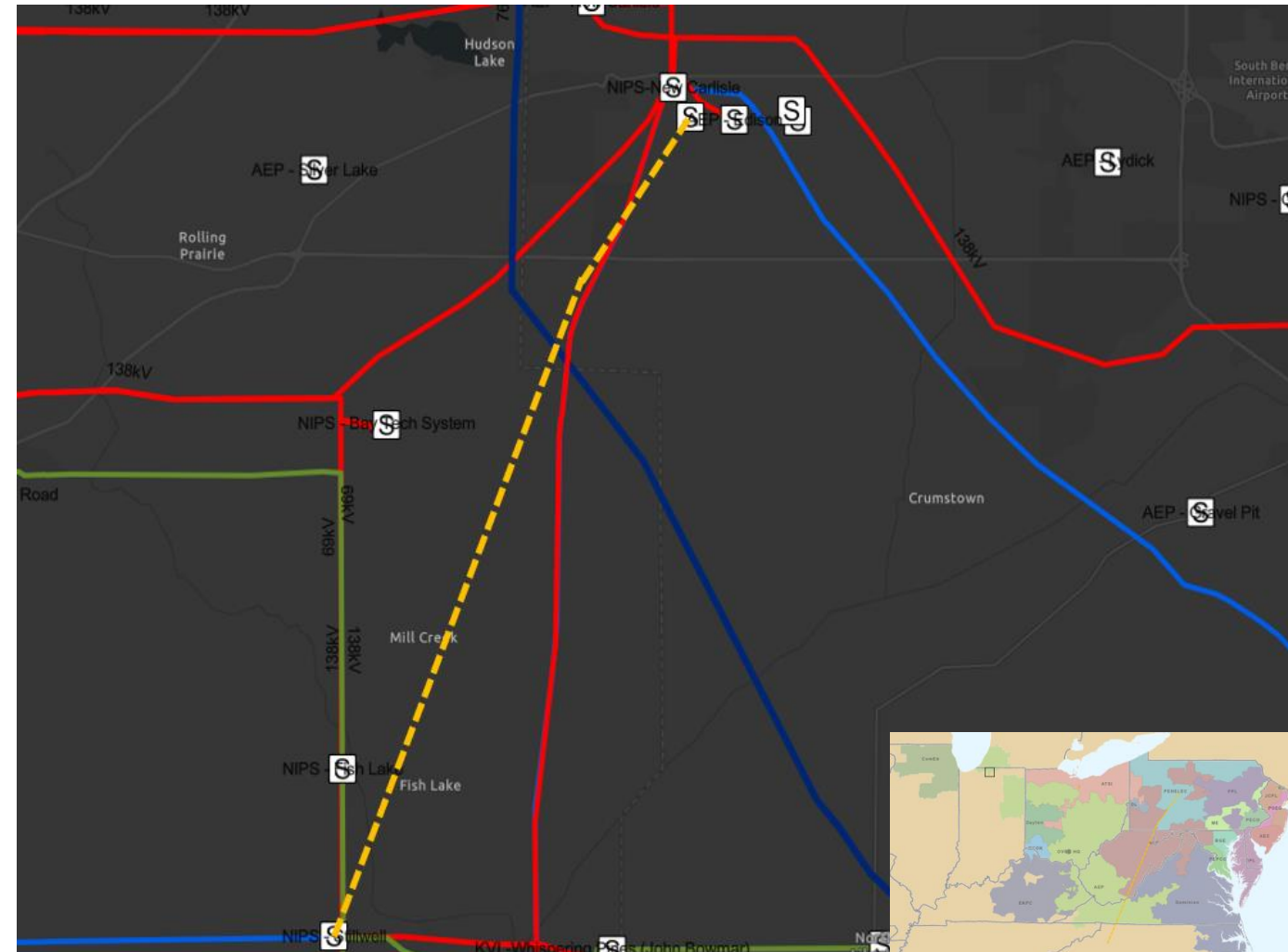
### Supplemental Project Driver: Other: Asset Integration

**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



**Legend**

-  - Modified 345kV
-  - Existing 345kV
-  - New 345kV

# Revision History

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