



Expedited Project Review NIPSCo New Customer X 138kV Substation

Technical Study Task Force (TSTF)

July 31, 2024

Purpose and Key Takeaways



Purpose: Review the results of NIPS Expedited Project Review (EPR) request

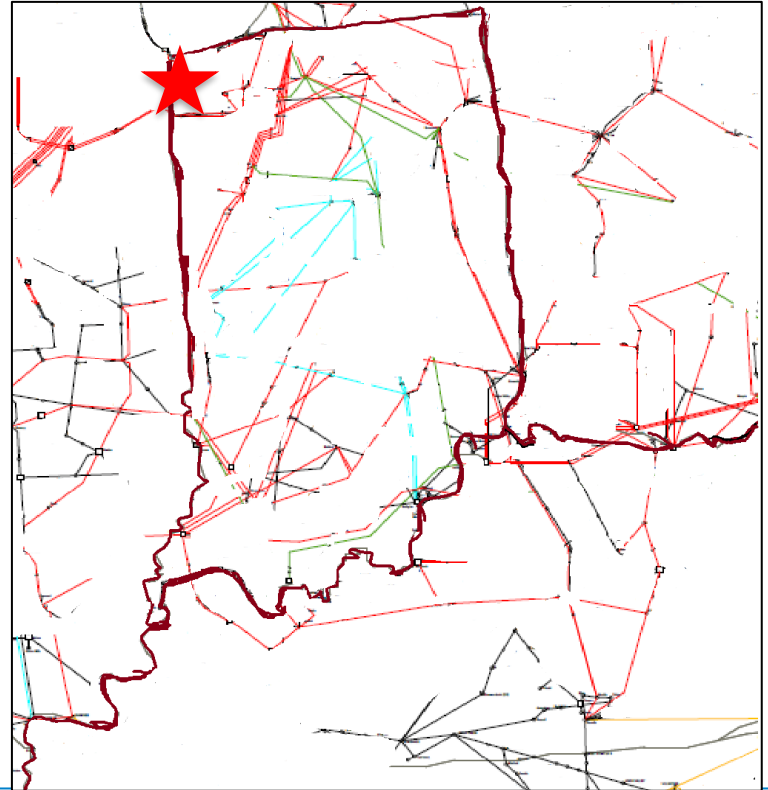
Key Takeaways:

- New Customer X 138kV Substation
- No reliability issues were identified nor any new TPL violations discovered as a result of this EPR
- MISO will report this EPR as part of MTEP24 cycle

P50174: New Customer X 138kV Substation

MISO received an EPR for P50174

- New Customer X 138 kV substation.
NIPSCo to build a new 138 kV breaker-and-a-half substation to serve 200MW of load between ComEd and NIPS 138 kV tie line.
- Estimated Cost: \$12.0M
- Expected ISD: Dec 31st, 2026



Coordination with PJM

- New load located between MISO and PJM tie line
- MISO coordinated with PJM and ComEd
- MISO verified 2029 WPK violations of PJM request

Reliability Analysis

MISO performed a complete TPL-001 analysis:

- MTEP24 year 2029 SPK and WPK for (NIPS + ComEd P1, P2, P4, P7)
- MTEP24 year 2029 SPK (NIPS + ComEd) n-1-1 contingencies
- No reliability issues were identified as a result of this analysis

Next Steps

- MISO will present the results to the PAC on August 28, 2024

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Questions