



TEAC - Western Committee ComEd Supplemental Projects

September 5, 2023

Needs

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: ComEd-2023-007

Process Stage: Need Meeting 9/5/2023

Project Driver:

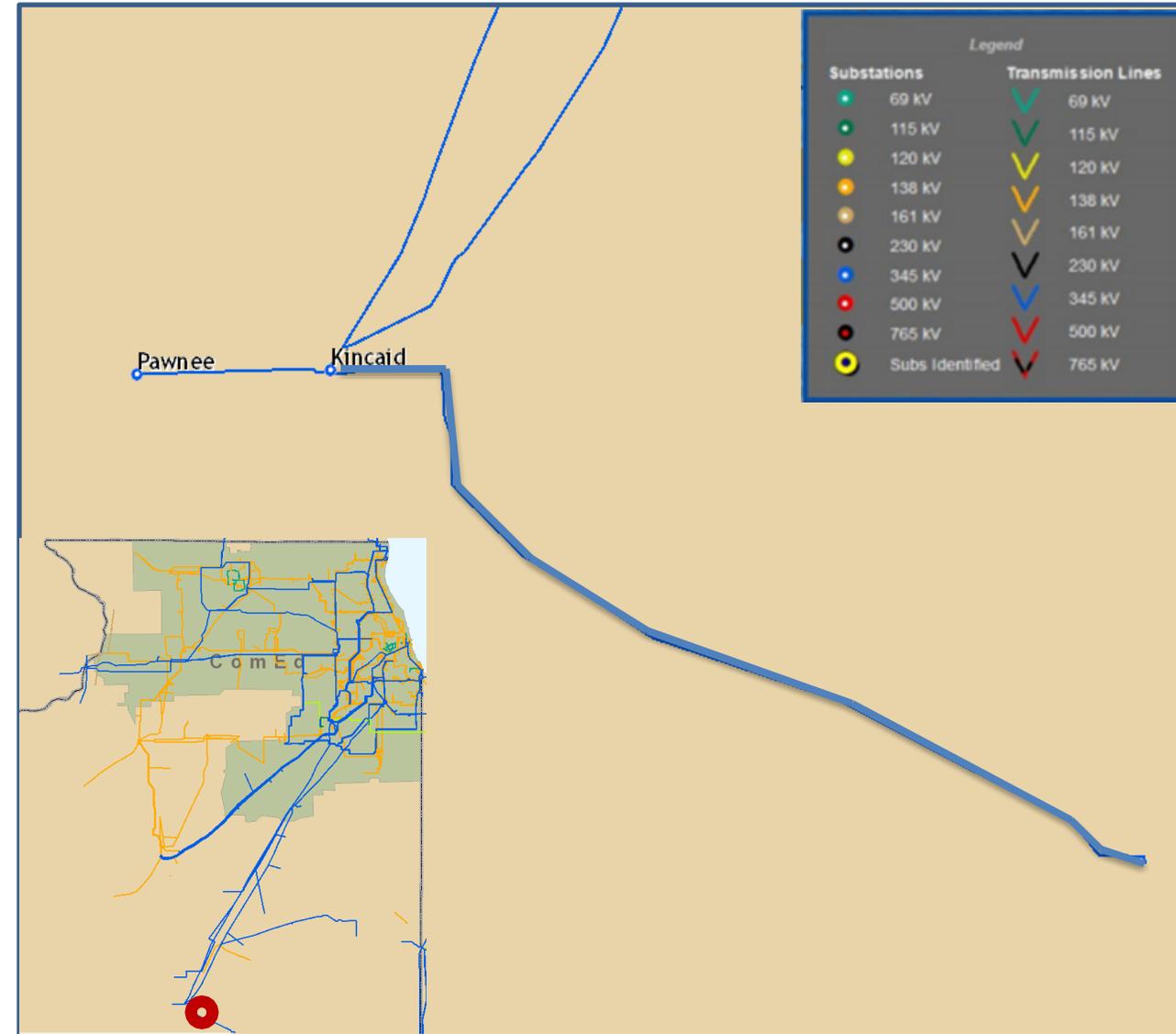
Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions

Problem Statement:

- 345 kV line 2105 Kincaid – Pana(Ameren) is a 26.4 mile line with 2338 ACAR and 2156 ACSR conductor on 56-year-old wood H-frame structures.
- The wood components are at end-of-life, with many plank arms deteriorating which lead to dropping conductor. In 2022, there were outages on the line due to broken crossarms on clear weather days.
- Several of the wood poles and components are also suffering from woodpecker damage.
- The line has significant stretches of tangent structures without modern anti-cascade provisions.
- Inspections identified multiple locations of corona damaged 9-inch insulators on this line.
- L2105 contains small static wire and is a poor performer against lightning which has caused static wire failure in the past.



Appendix

High Level M-3 Meeting Schedule

Assumptions	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

8/25/2023 – V1 – Original version posted to pjm.com