



TEAC - Western Committee ComEd Supplemental Projects

July 11, 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-2023-004

Process Stage: Need Meeting 7/11/2023

Project Driver:

Operational Flexibility and Efficiency

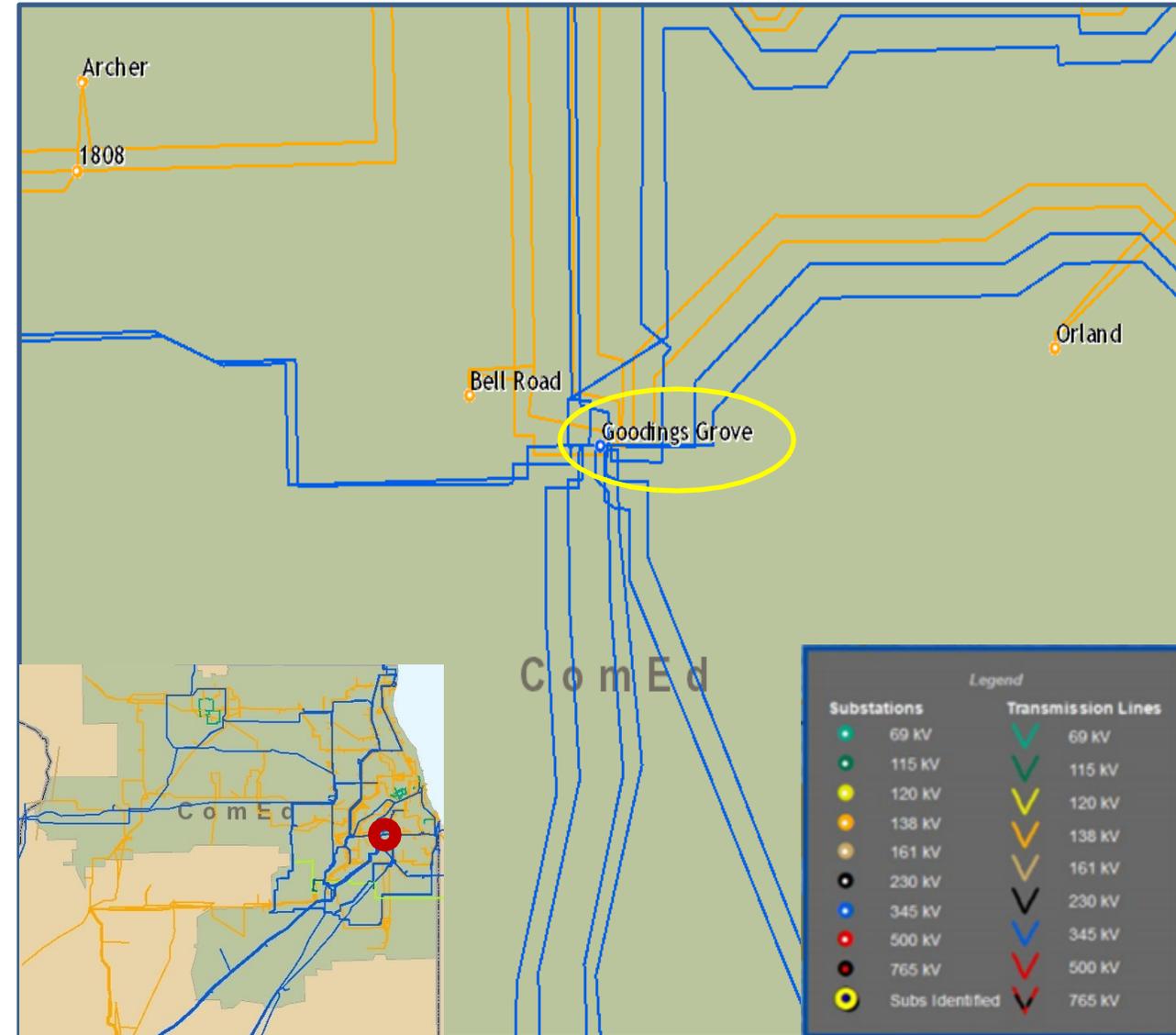
Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

- Enhancing system functionality, flexibility, visibility, or operability
- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions

Problem Statement:

- The 345 kV layout at Goodings Grove consists of a straight bus configuration with three 345 kV bus-ties, four autotransformers, and fourteen 345 kV lines. A single breaker failure can take out seven 345 kV lines and two autotransformers.
- Fourteen of the nineteen breakers are oil circuit breakers ranging in age from 44 to 57 years old and are in deteriorating condition.
- Two of the four autotransformers do not have high-side circuit breakers
- A portion of the 345 kV bus is strain bus
- A fault on Tr. 81 or Tr.83 will temporarily interrupt 3 lines.
- The existing fault current at Goodings Grove is nearing 60kA.



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

6/30/2023 – V1 – Original version posted to pjm.com