



SRRTEP - Western Committee ComEd Supplemental Projects

April 20, 2020

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-2020-005

Process Stage: Need Meeting April 20, 2020

Project Driver:

Operational Flexibility and Efficiency

Specific Assumption Reference:

Internal and/or regulatory design guidelines or PJM minimum design standards

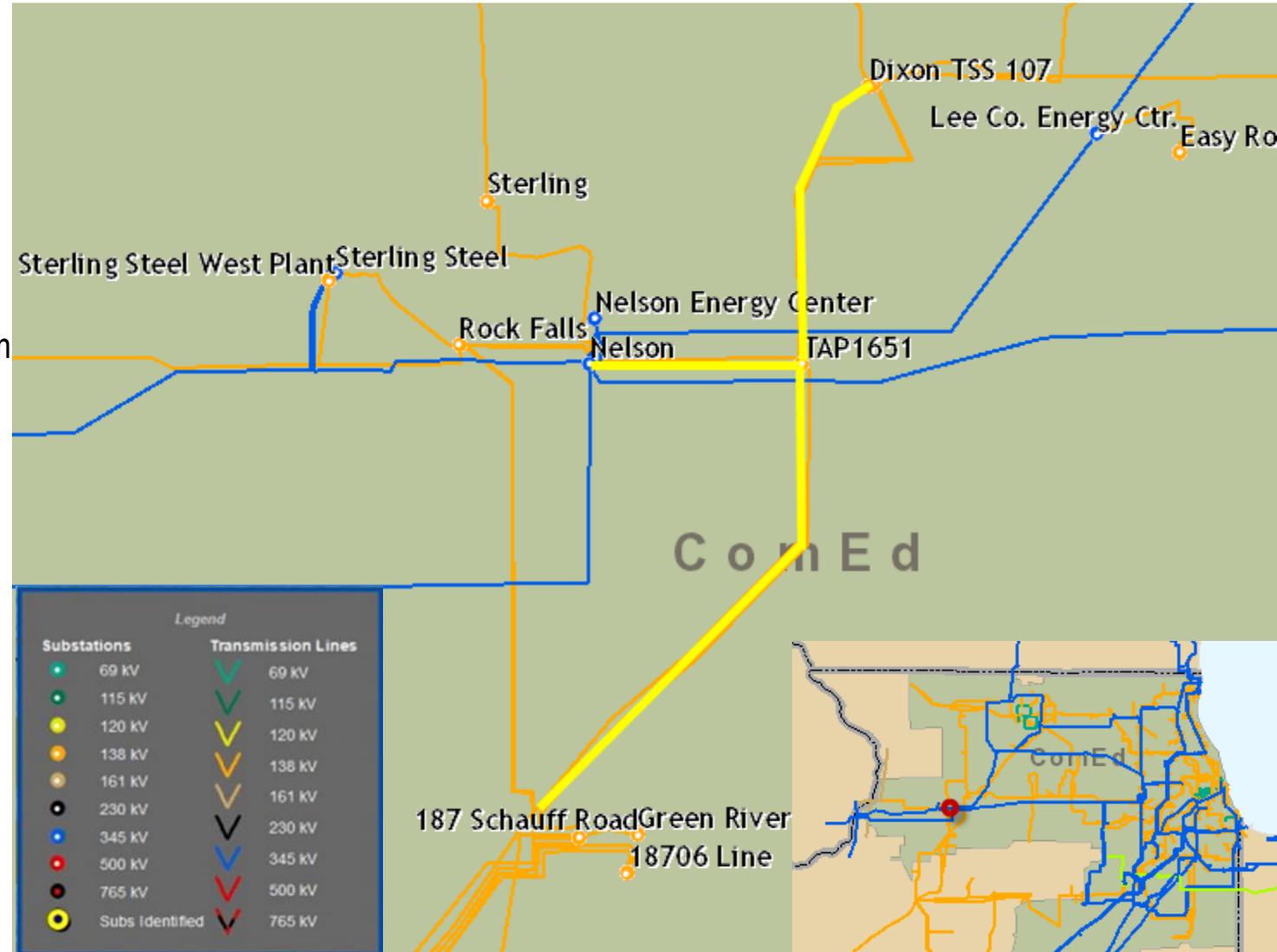
Enhancing system functionality, flexibility, or operability

Problem Statement:

138 kV Line 15508 is a three terminal line. The current configuration is difficult to relay properly due to unequal lengths of the three legs.

- Nelson (4.5 miles)
- Dixon (5.7 miles)
- Schauff Rd. (13.1 miles)

Project b2999 is rebuilding the Schauff Rd. leg with an 11/1/2021 projected in-service date.



Need Number: ComEd-2020-006

Process Stage: Need Meeting April 20, 2020

Project Driver:

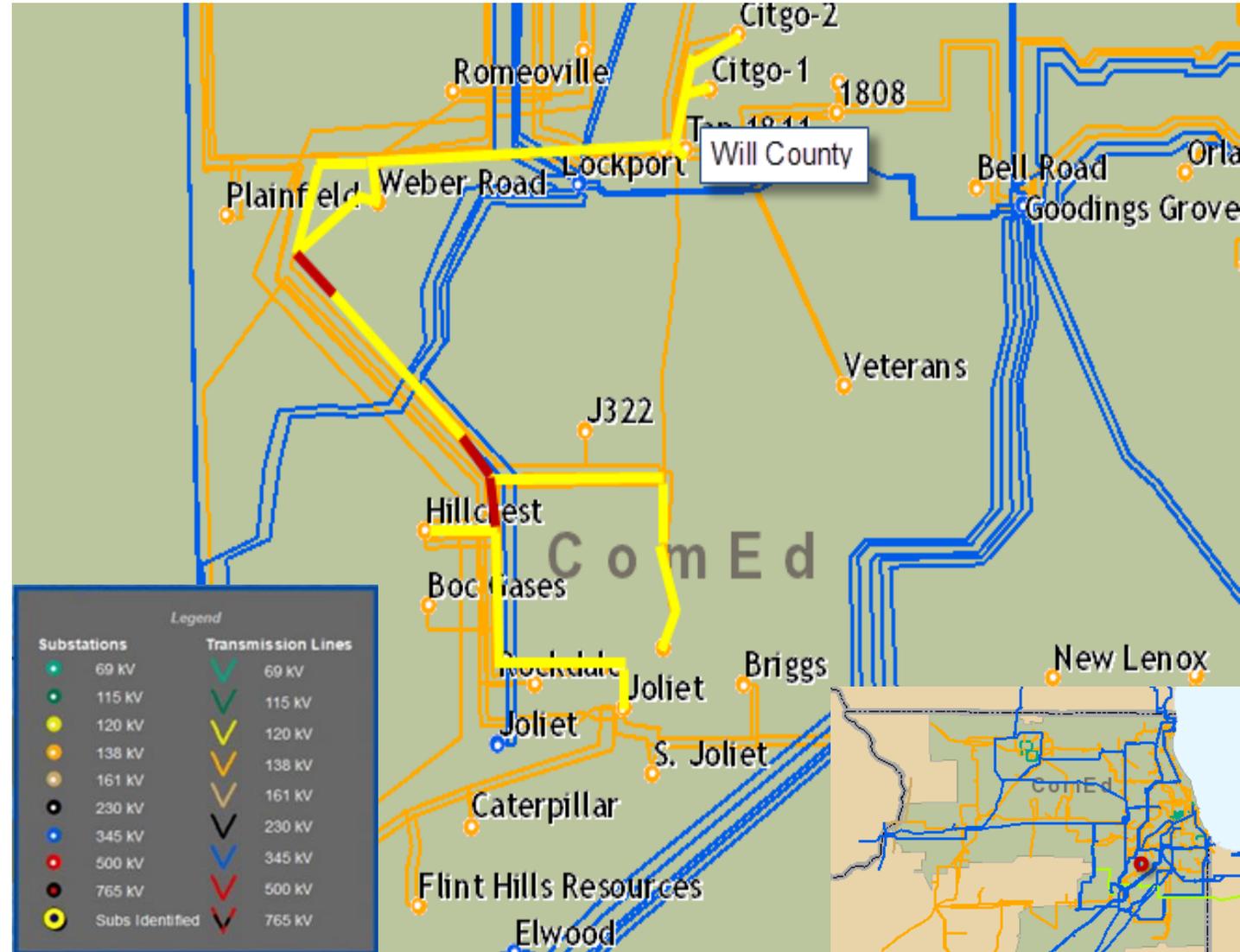
Equipment Material Condition, Performance, and Risk

Specific Assumption Reference:

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

Problem Statement:

- 138 kV Line 0905 (Joliet – Hillcrest – Joliet Central – Weber Rd. – Will County), 15 miles total, has 2.4 miles of 300 kcmil cu conductor. Conductor was installed in 1942.
- 138 kV Line 0906 (Joliet – Hillcrest – Joliet Central – Weber Rd. – ESS J332 tap – Will County), 16.5 miles total, has 3.0 miles of 300 kcmil cu conductor. Conductor was installed in 1942.
- 300 cu conductor has iron clamps that cause heating issues
- Attachments are made with aluminum clamps with a bi-metallic buffer between the clamps and the conductor which is difficult for the crews to handle.



Need Number: ComEd-2020-007

Process Stage: Need Meeting April 20, 2020

Project Driver:

Customer Service

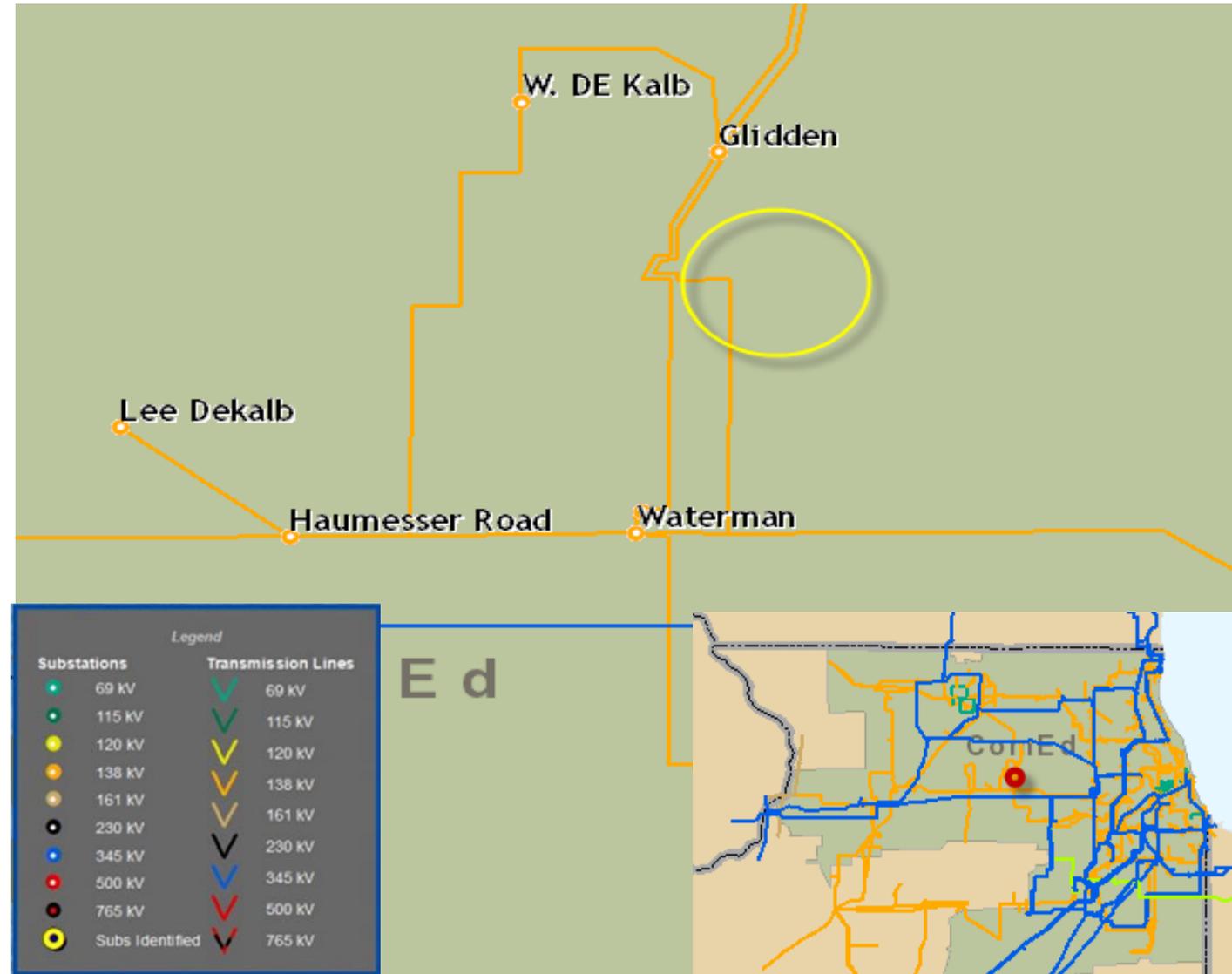
Specific Assumption Reference:

New transmission customer interconnection

Problem Statement:

New customer has requested service in the Dekalb area

- In service by 9/2021 with initial load < 5MW, growing to 200 MW by the end of 2026



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

4/8/2020 – V1 – Original version posted to pjm.com