



TEAC Committee ComEd Supplemental Projects

October 17, 2019



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



ComEd Transmission Zone M-3 Process Quad Cities

Need Number: ComEd-2019-006

Process Stage: Need Meeting 10/17/2019

Project Driver:

Equipment Material Condition, Performance, and Risk

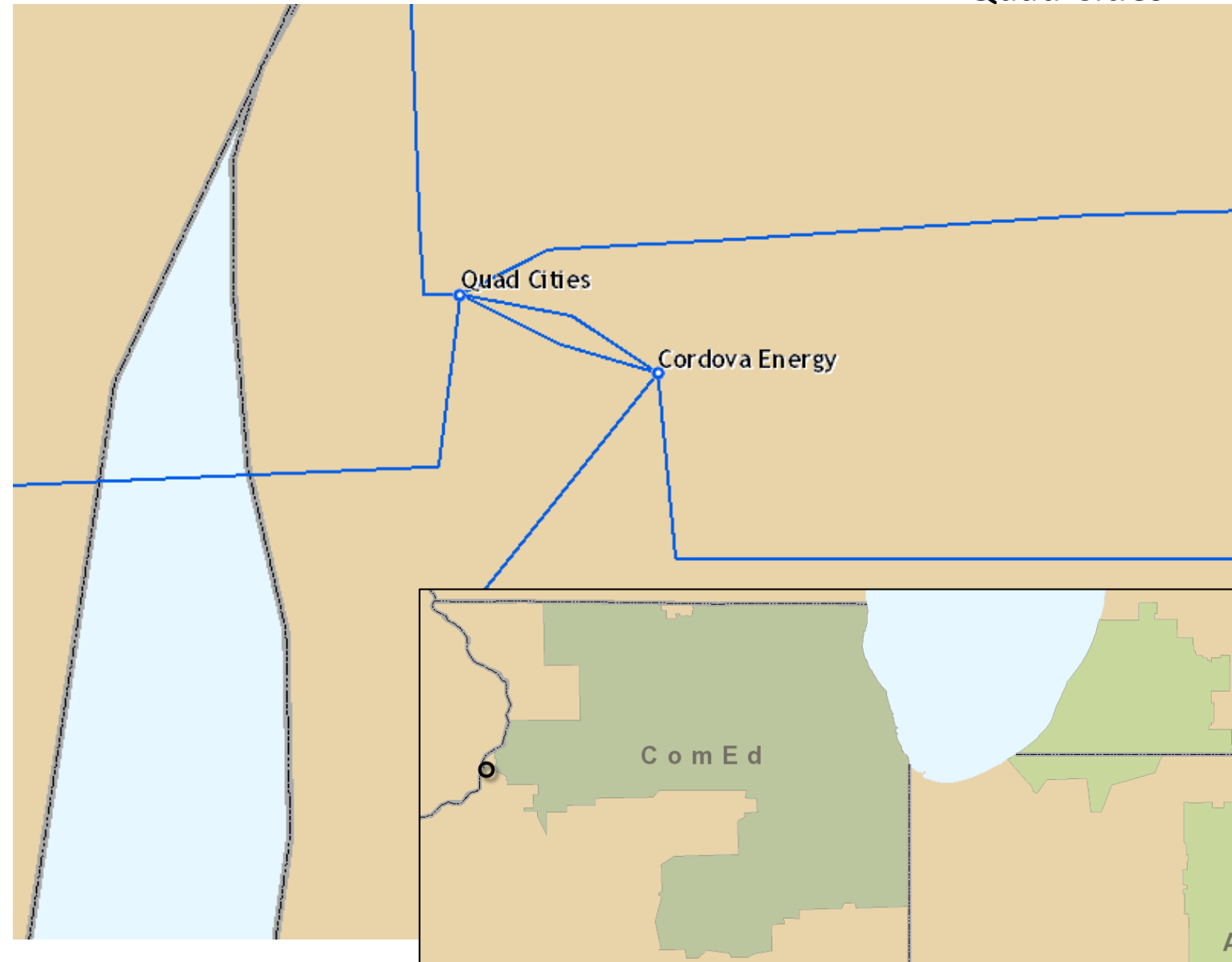
Specific Assumption Reference:

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

Problem Statement:

345 kV Line 0402 (Quad Cities – Cordova) has obsolete relays

- Becoming difficult to service REL352 phase comparison relays. They are being phased out of our system.
- Line is an intertie between PJM/MISO





ComEd Transmission Zone M-3 Process Kendall - Lockport

Need Number: ComEd-2019-007

Process Stage: Need Meeting 10/17/2019

Project Drivers:

Operational Flexibility and Efficiency

Equipment Material Condition, Performance, and Risk

Specific Assumption References:

Increasing system capacity

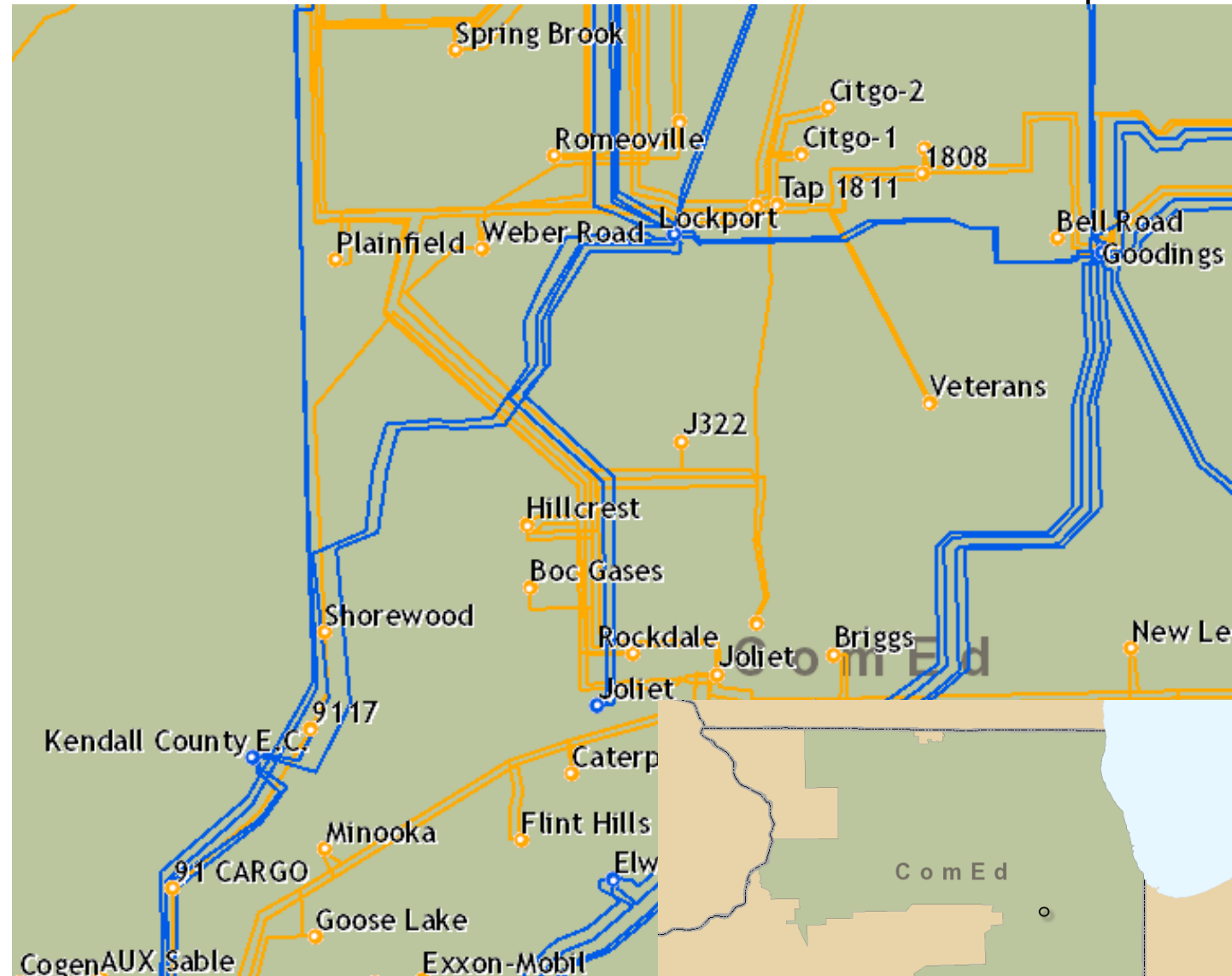
Programmatic replacement of breakers, relays, wood poles, cables, etc.

Supply strategy guidance resulting in standard conductor sizes and other standard equipment

Problem Statement:

Network project n5144 is rebuilding 345 kV Kendall–Lockport double circuit towers for 16 miles in 2022 to increase line 10805 rating. New conductor will be T2-1113 (1448 MVA SN/1863 MVA SE).

- 345 kV Line 10806 runs in parallel on the same towers. Existing conductor is 2156 kcm (1334 MVA SN/1726 MVA SE). The disconnect switch at Lockport is a non-standard 1600A switch.
- 138 kV lines 0908 (Joliet – Shorewood) and 9117 (Shorewood – Cargo Court) run along the same ROW for 10.5 miles on wood poles.
 - The wood poles are 59-60 years old
 - ComEd intends to eliminate wood poles on the transmission system.



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

10/07/2019 – V1 – Original version posted to pjm.com