



TEAC - Western Committee ComEd Supplemental Projects

October 8, 2025

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-2025-022

Process Stage: Need Meeting 10/8/2025

Project Driver:

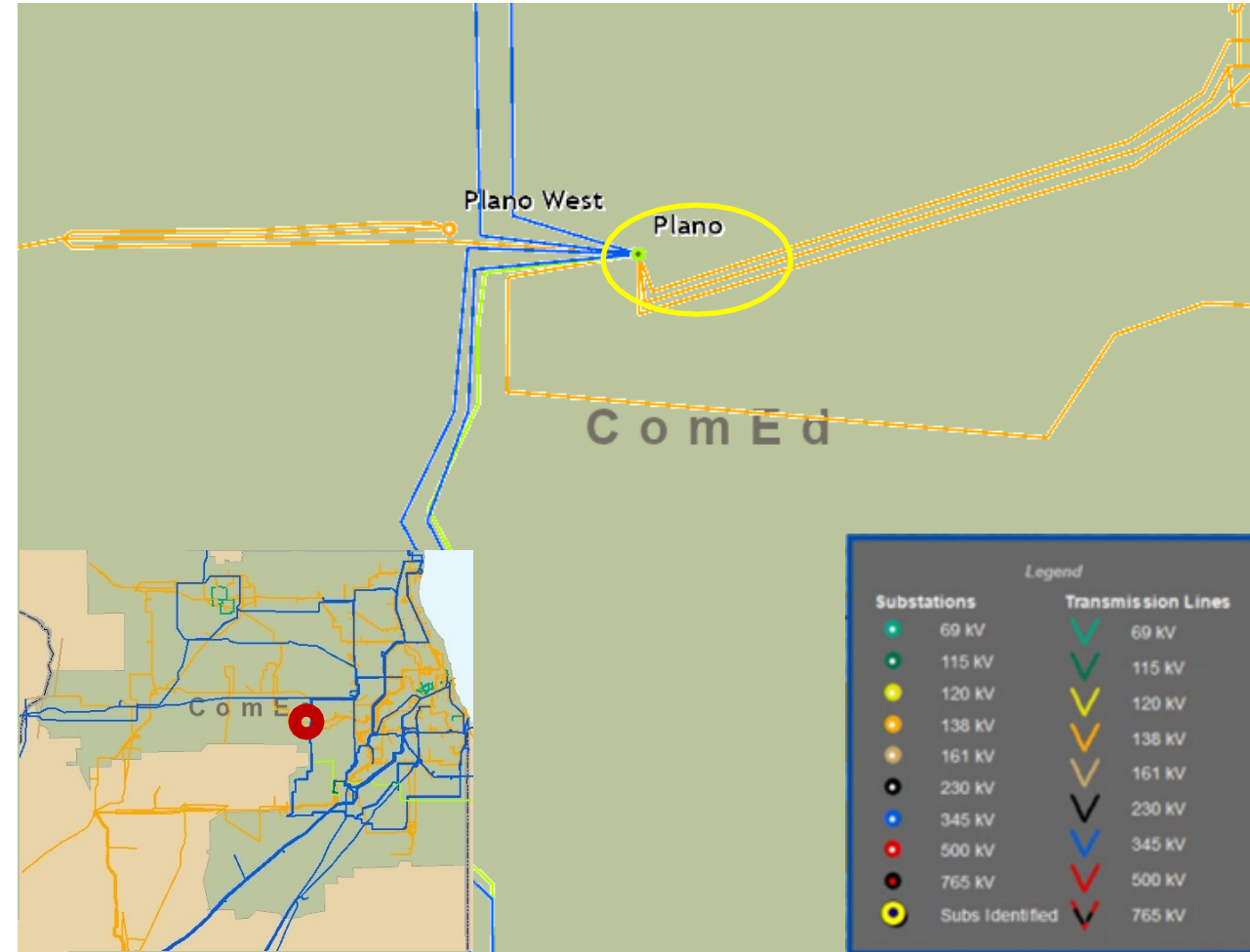
Equipment Material Condition, Performance, and Risk

Specific Assumption Reference:

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

Problem Statement:

Plano 345 kV 5-6 BT oil circuit breaker was installed in 1976. It is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs.



Solutions

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-2025-018

Process Stage: Solution Meeting 10/8/2025

Previously Presented: Need Meeting 9/9/2025

Project Driver:

Equipment Material Condition, Performance, and Risk

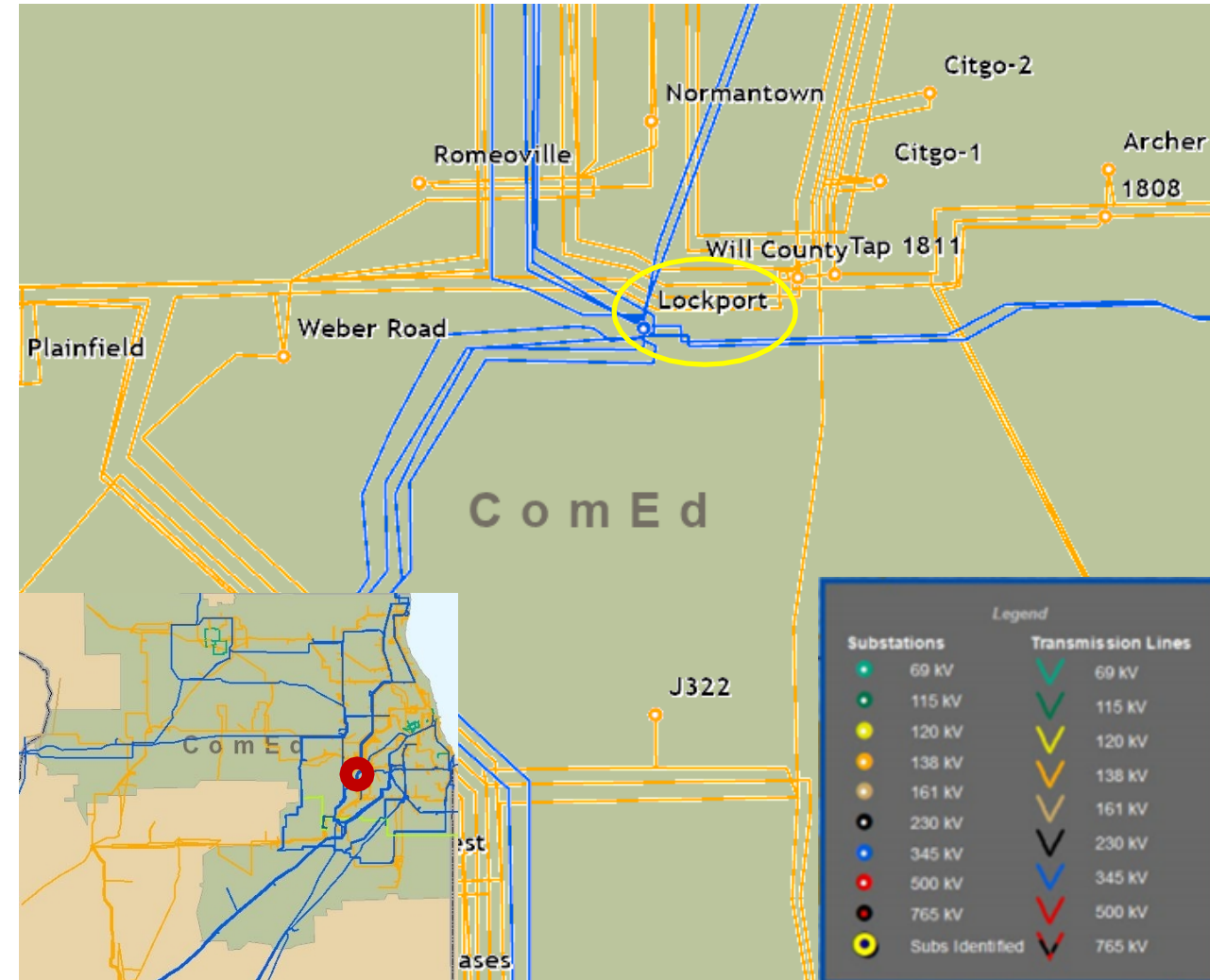
Specific Assumption Reference:

Transmission infrastructure replacements

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

Problem Statement:

Lockport 345 kV 1-2 BT oil circuit breaker was installed in 2001. It is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs.



Need Number: ComEd-2025-018

Process Stage: Solution Meeting 10/8/2025

Proposed Solution:

Replace existing 345 kV oil BT1-2 CB with new 345 kV SF6 CB.

Existing Breaker Ratings: 2000 A, 63 kA

New Breaker Ratings: 3000 A, 63 kA

Lockport-Lombard 345 kV	SN/SE (MVA)	WN/WE (MVA)
Old Ratings	1334/1528	1602/1760
New Ratings	1461/1656	1702/1872

Estimated transmission cost: \$2.2M

Alternatives Considered:

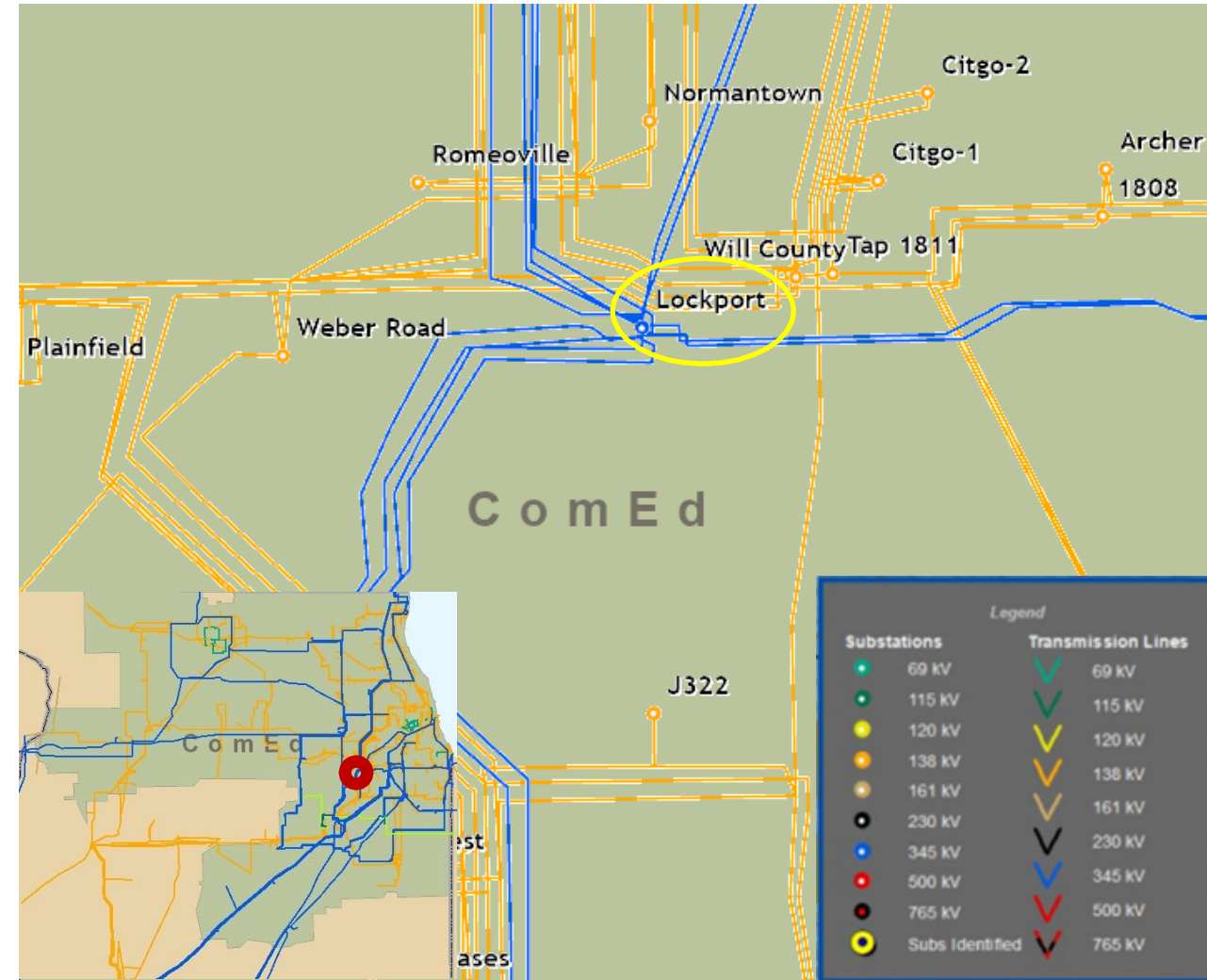
No feasible alternatives available

Projected In-Service:

12/31/2025

Project Status: Engineering

Model: 2029 RTEP



Scope Change Updates for s3342.1 and s3342.2

Supplemental Projects: s3342.1, s3342.2

Need Number: ComEd-2024-001

Problem Statement:

- A new customer is looking for transmission service in the Dekalb area. Initial loading is expected to be 49 MW in June 2027, 160 MW in 2028, with an ultimate load of 210 MW in 2029.
- ComEd Distribution Capacity Planning requested additional capacity in the Dekalb area to accommodate load growth of 15 MW. Existing distribution facilities do not have enough capacity to accommodate this load growth.

Selected Solution:

- Cut into existing 345kV line 15502 and extend 2 lines 6 miles each to a new Keslinger substation 345 kV breaker-and-a-half bus by 6/30/2027
- Provide four radial 345kV leads to customer owned transformers
- Cut into existing 138 kV lines 11106 and 11307 and extend 4 lines 0.4 miles to a new Keslinger substation 138 kV breaker-and-a-half bus by 12/31/2027
- Connect two new 138/34 kV distribution transformers at Keslinger.
- Install 2 new 345/138 kV transformers at Keslinger

Estimated transmission cost: ~~\$175M~~ **\$215M**

Supplemental Project ID: s3342.1, s3342.2

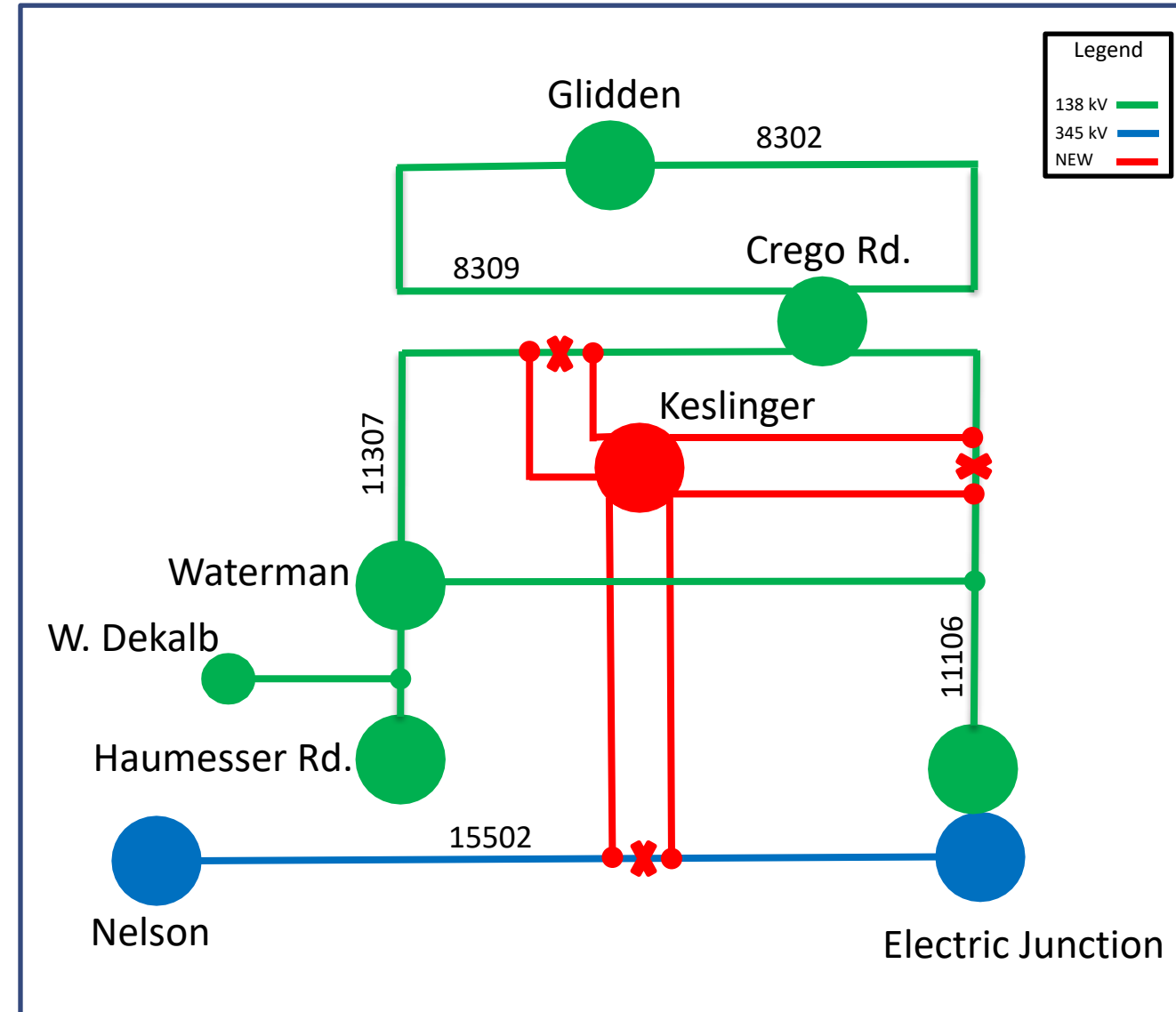
Projected In-Service: 12/31/27

Reason for the Scope Change: Location of substation changed on customer property

Project Status: Engineering

Model: 2029 RTEP

ComEd Transmission Zone M-3 Process Customer in Dekalb



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

9/26/2025 – V1 – Original version posted to pjm.com