



TEAC Committee ComEd Supplemental Projects

March 10, 2026

Need Number	TO	Area	Needs Meeting	Solutions Meeting	Project Name	Project Description	TO Notes
ComEd-2025-009	ComEd	PJM West	9/9/2025	2/3/2026	Customer in DeKalb	New customer is looking for transmission service in the DeKalb area. Initial loading is expected to be 12 MW in 2029, 48 MW in June 2030 with an ultimate load of 504 MW in 2033	Withdraw Need

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-2025-015

Process Stage: Solutions Meeting 3/10/2026

Previously Presented: Needs Meeting 9/9/2025

Project Driver:

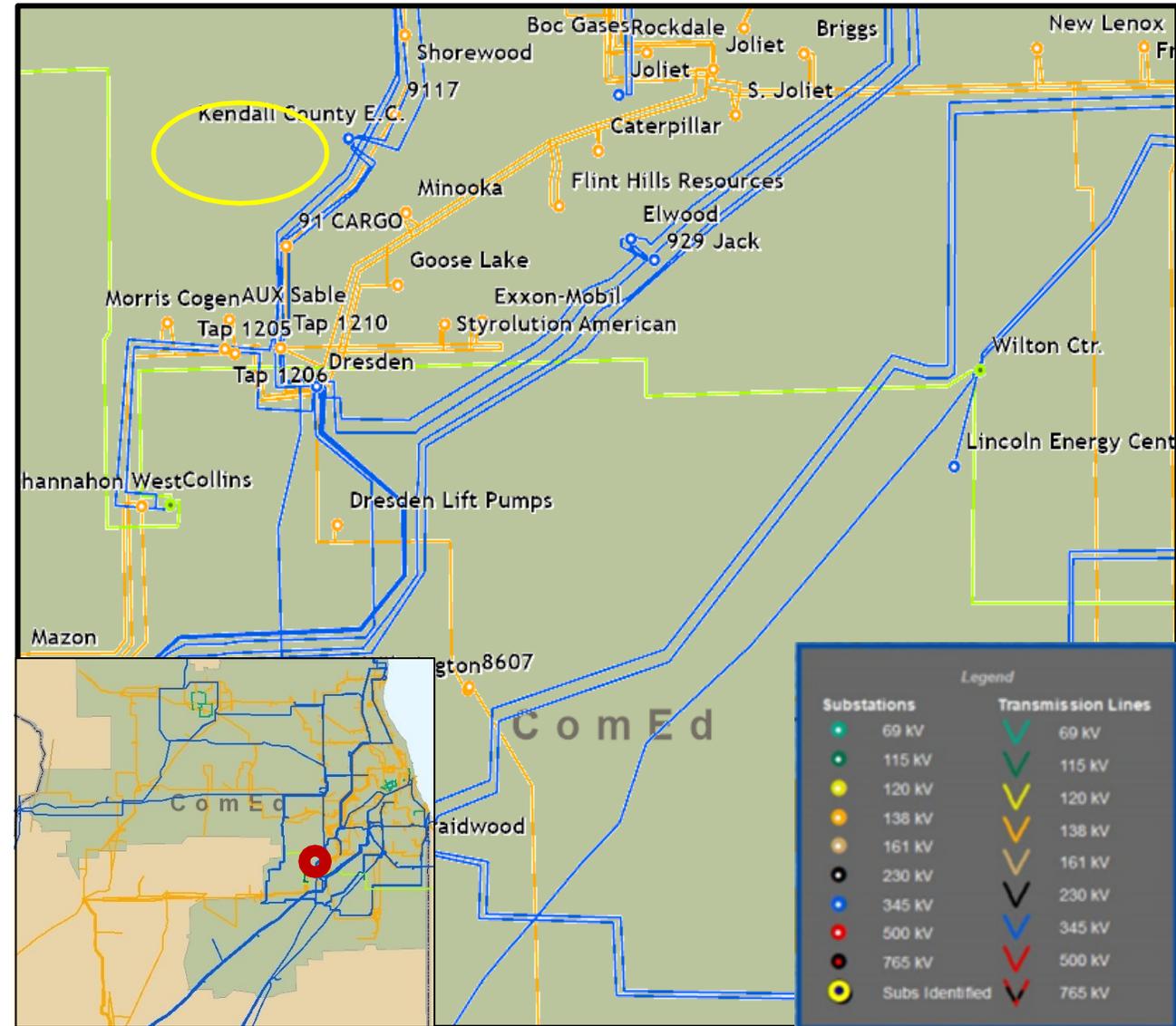
Customer Service

Specific Assumption Reference:

- New transmission customer interconnections or modification to an existing customer

Problem Statement:

New customer is looking for transmission service in the Minooka area. Initial loading is expected to be 30 MW in June 2028, 135 MW in June 2029 with an ultimate load of 588 MW in 2036.



Need Number: ComEd-2025-015

Process Stage: Solutions Meeting 3/10/2026

Proposed Solution:

- Install 2 new 345kV CBs to the existing ring bus configuration at Kendall County E. C. to extend 2 radial lines 0.6 miles each to a new Wildy Road substation.
- Install 2-150 MVAR, 345kV capacitor banks at new Wildy Road substation.

Estimated Transmission cost: \$41.5M

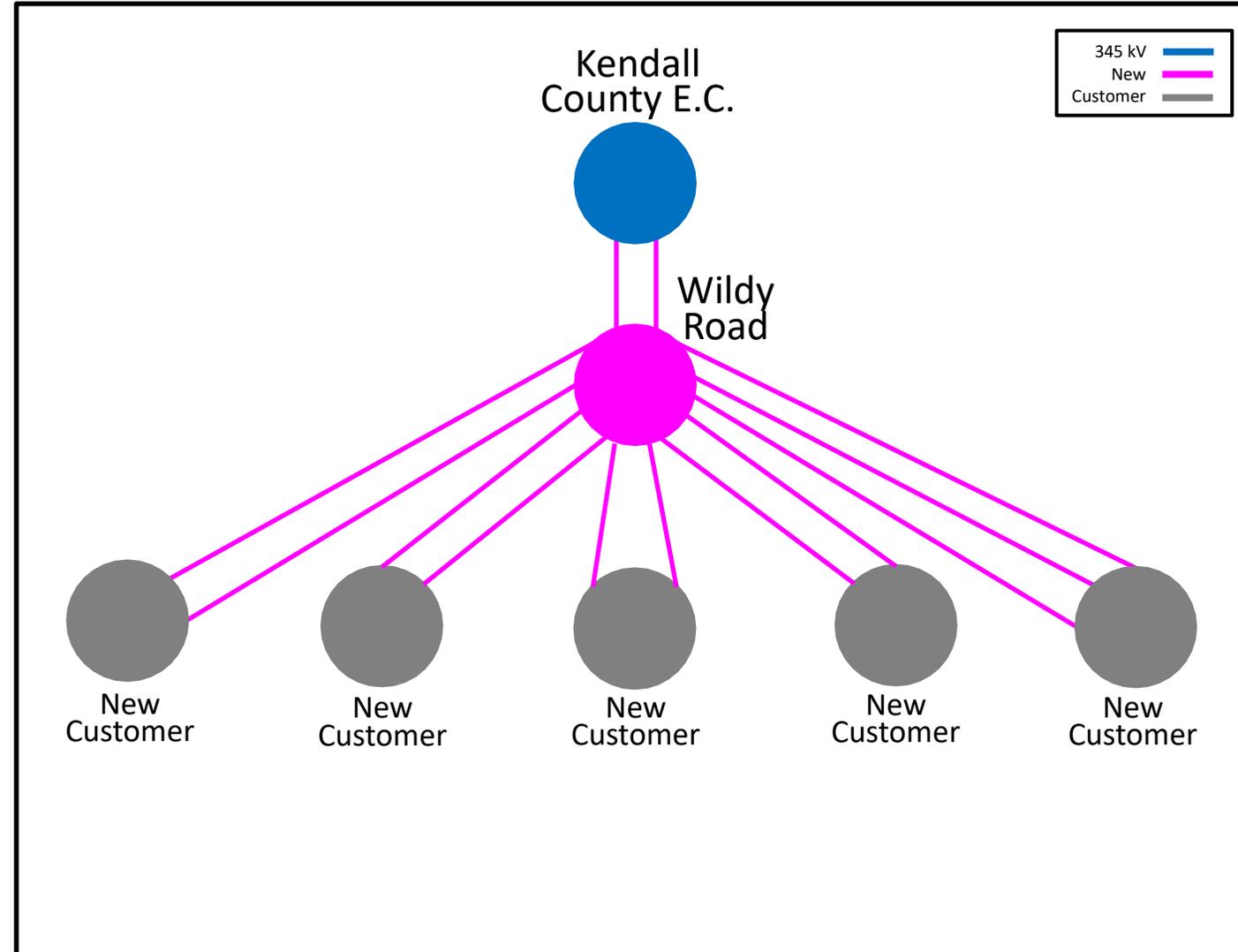
Alternatives Considered:

No feasible alternatives available

Projected In-Service: 7/1/2027

Project Status: Conceptual

Model: 2029 RTEP



Need Number: ComEd-2025-005

Process Stage: Solutions Meeting 3/10/2026

Previously Presented: Needs Meeting 4/1/2025

Project Driver:

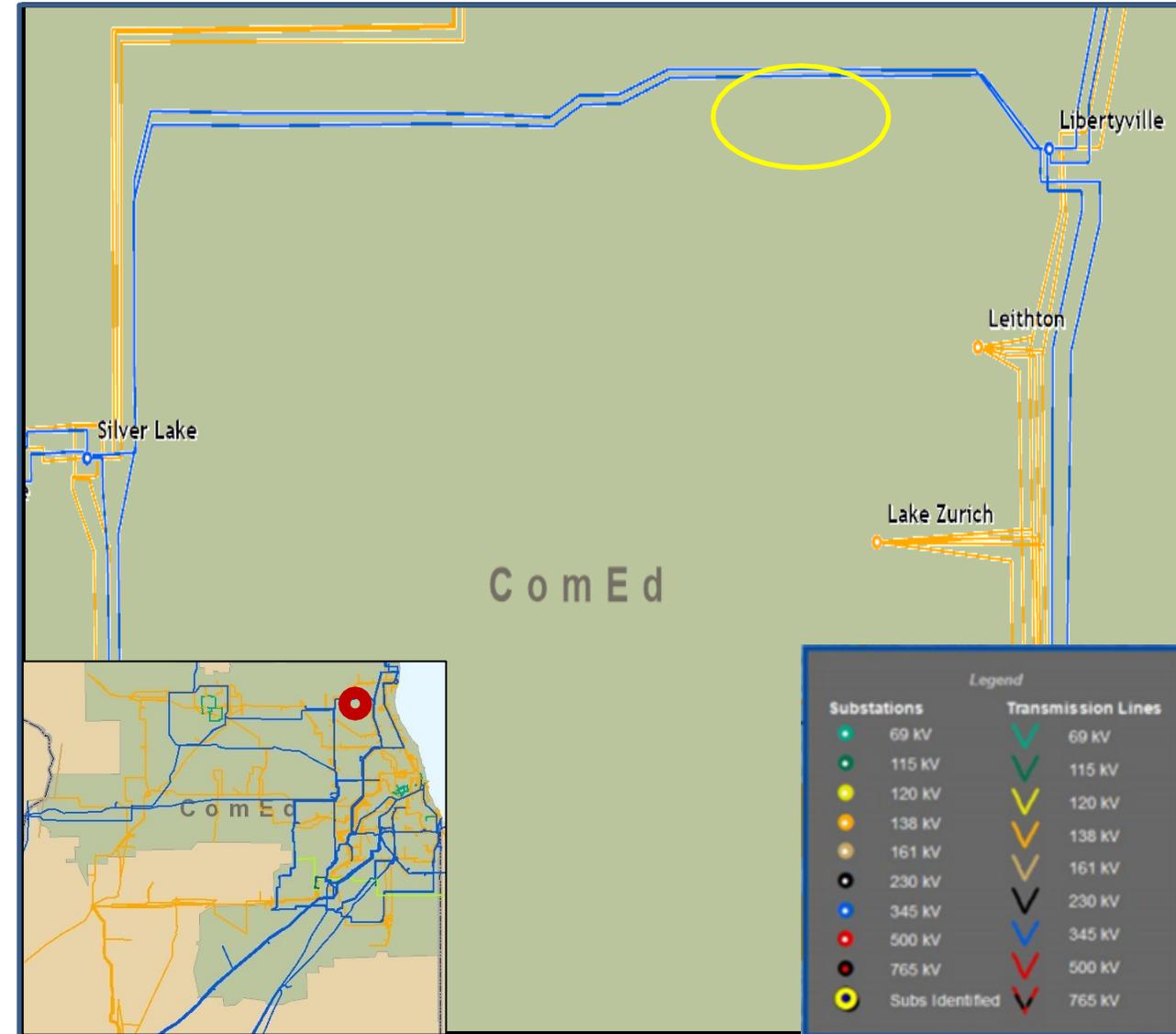
Customer Service

Specific Assumption Reference:

- New transmission customer interconnections or modification to an existing customer

Problem Statement:

New customer is looking for transmission service in the Grayslake area. Initial loading is expected to be 320 MW in June 2028, 600 MW in 2029, with an ultimate load of 1,550 MW.



Need Number: ComEd-2025-005

Process Stage: Solutions Meeting 3/10/2026

Proposed Solution:

Phase 1:

- Cut into existing 345kV Silver Lake – Libertyville line. Extend 2 lines 0.1 miles each to a new Grayslake substation.
- Grayslake substation will be initially installed as a 7-345 kV CBs in a breaker and a half configuration.
- Install 1-150 MVAR, 345kV capacitor banks at new Grayslake substation.
- **Estimated Transmission cost: \$113M**

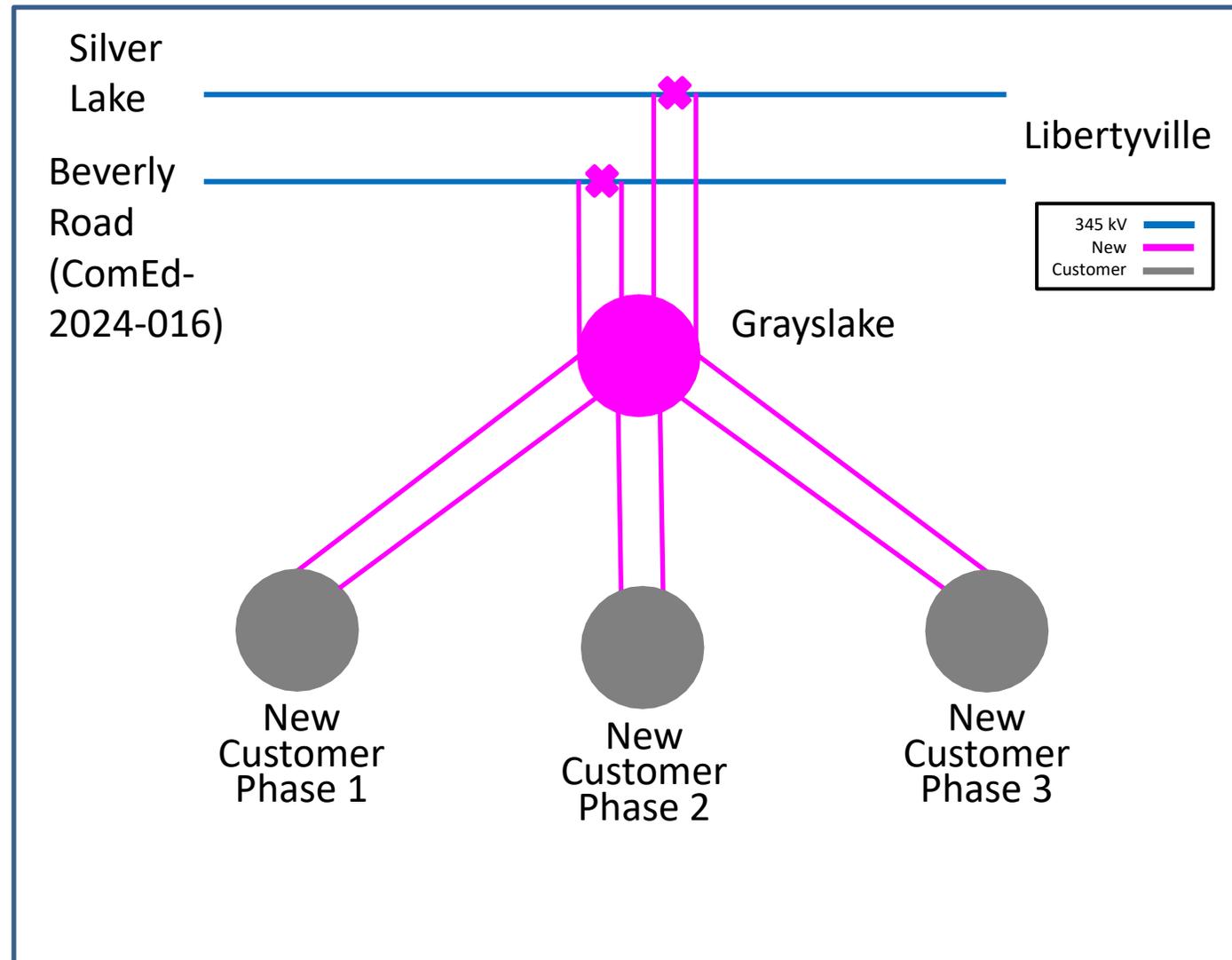
Phase 2:

- Install 5 new 345 kV CBs to the breaker-and-a-half configuration at Grayslake.

Estimated Transmission cost: \$15M

Phase 3:

- Cut into existing 345kV Beverly Road (ComEd-2024-016) – Libertyville line. Extend 2 lines 0.1 miles each to a Grayslake substation.
- Install 7 new 345 kV CBs to the breaker-and-a-half configuration at Grayslake.
- Install 1-150 MVAR, 345kV capacitor banks at Grayslake substation.
- **Estimated Transmission cost: \$44M**



Need Number: ComEd-2025-005

Process Stage: Solutions Meeting 3/10/2026

Proposed Solution (continued):

System reinforcements required to serve the load and meet applicable transmission planning criteria:

- Replace one 138kV Oil Circuit Breaker for 138kV L7902 (Spaulding-Hanover-Tollway) at Spaulding.
 - Existing rating 2000A, 63kA
 - Proposed rating 3000A, 63kA
- Replace 0.1 mile of 138kV L7902 (Spaulding to Hanover Tap)

Spaulding to Hanover Tap			
MVA Ratings	SN/SLTE/SSTE/SLD	LN/LLTE/LSTE/LLD	WN/WLTE/WSTE/WLD
Existing	351/449/459/498	408/490/503/545	421/500/513/557
New	533/690/735/834	621/754/804/911	641/768/820/930

Estimated system reinforcement transmission cost: \$2.8M

Alternatives Considered:

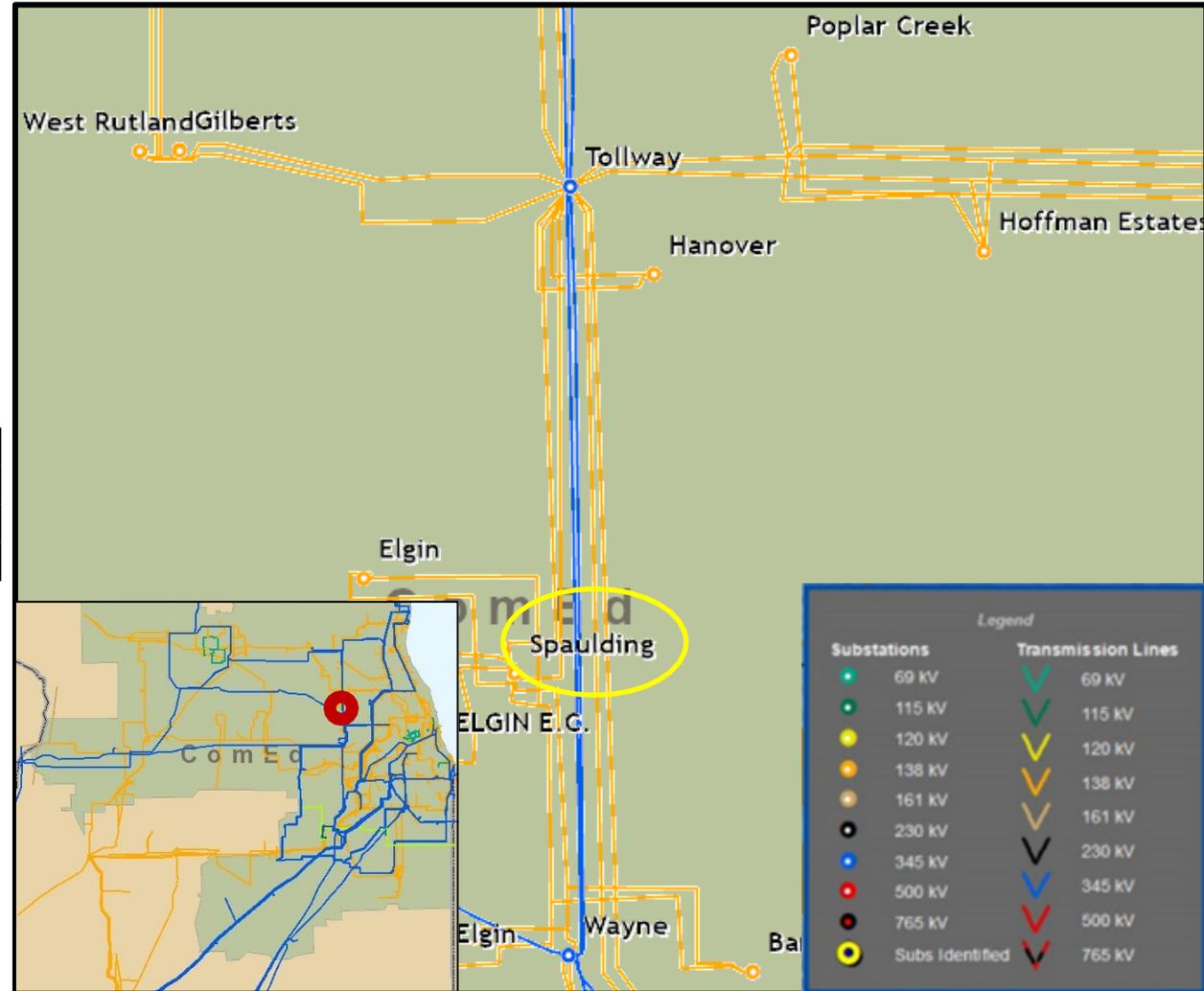
No feasible alternatives available

Total Estimated Transmission cost: \$174.8M

Projected In-Service: 6/30/2027 (Phase 1), 6/30/2029 (Phase 2), 6/30/2030 (Phase 3), 6/1/2029 (System Reinforcement)

Project Status: Conceptual

Model: 2029 RTEP



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

2/27/2026 – V1 – Original version posted to pjm.com