



# TEAC - Western Committee ComEd Supplemental Projects

August 5, 2025

# 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-2024-021

**Process Stage:** Solution Meeting 8/5/2025

**Previously Presented:** Need Meeting 9/13/2024

**Project Driver:**

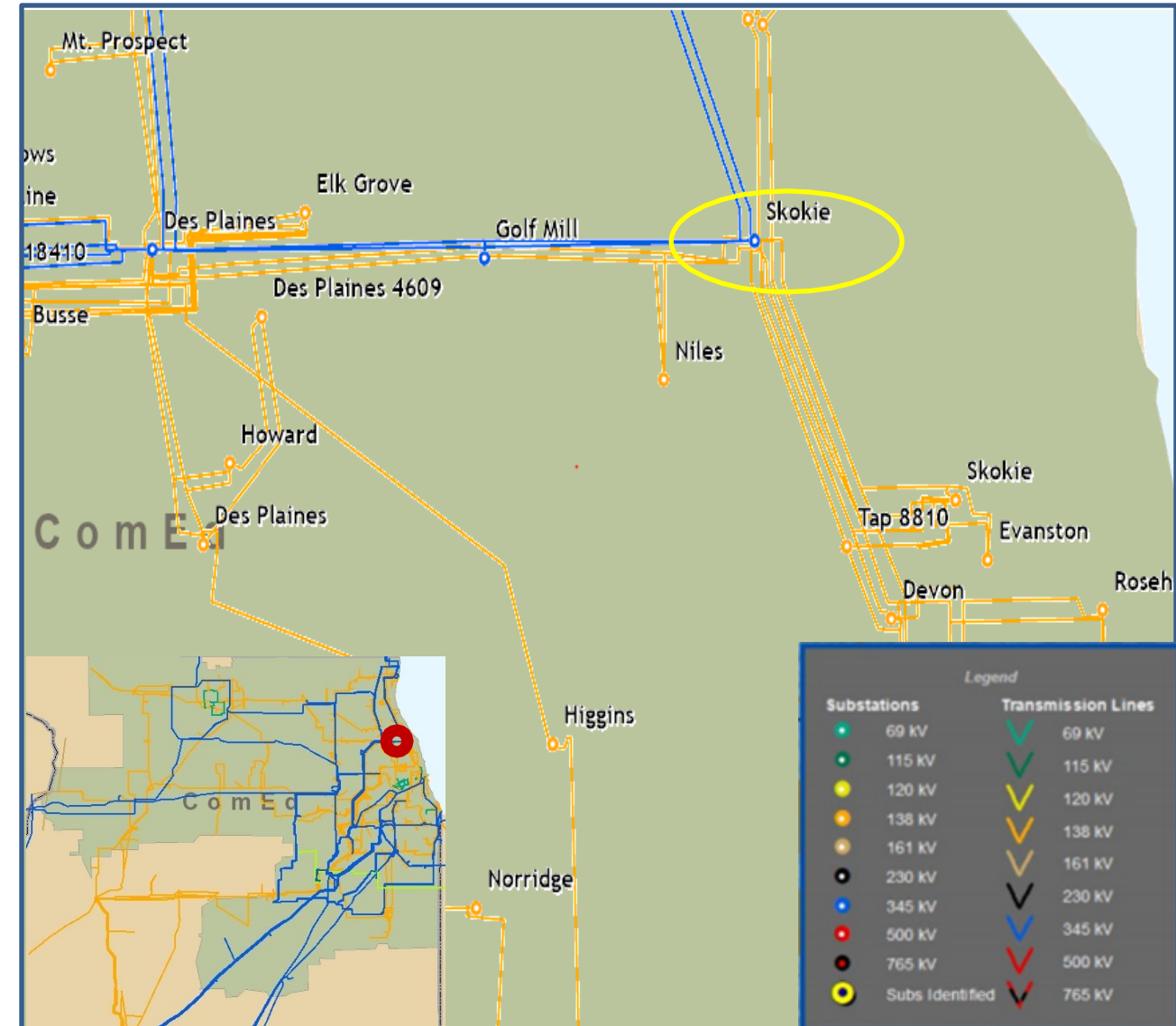
Equipment Material Condition, Performance and Risk

**Specific Assumption Reference:**

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

**Problem Statement:**

- 345/138 kV autotransformer 82 at Skokie was installed in 1975.
- Acoustics test results showed sharp increases in sonic and ultrasonic levels and increases in vibration levels associated with the looseness of the core/coil assembly
- Autotransformer cannot be re-blocked.
- 138 kV Transformer 82 oil circuit breaker was installed in 1974. It is in deteriorating condition, has a lack of replacement parts, and has elevated maintenance costs.



**Need Number:** ComEd-2024-021

**Process Stage:** Need Meeting 8/5/2025

**Proposed Solution:**

Phase 1:

Install a new 138 kV, 115.2 MVAR capacitor bank on 138 kV bus 1 at Skokie.

Phase 2:

Remove tertiary 34 kV capacitor bank on 345/138 kV autotransformer 82. Replace 345/138 kV autotransformer 82 with a new 420 MVA 345/138 kV transformer. Replace 138 kV TR 82 oil circuit breaker with a 3000 A, 63kA SF6 circuit breaker.

Existing ratings (MVA)	SN/SE	WN/WE
Skokie 345/138 kV TR 82	400/465	400/465
New Ratings (MVA)	SN/SE	WN/WE
Skokie 345/138 kV TR 82	420/480	420/480

**Estimated cost:** Phase 1: \$ 9.04 M Phase 2: \$ 15.36 M

**Alternatives Considered:**

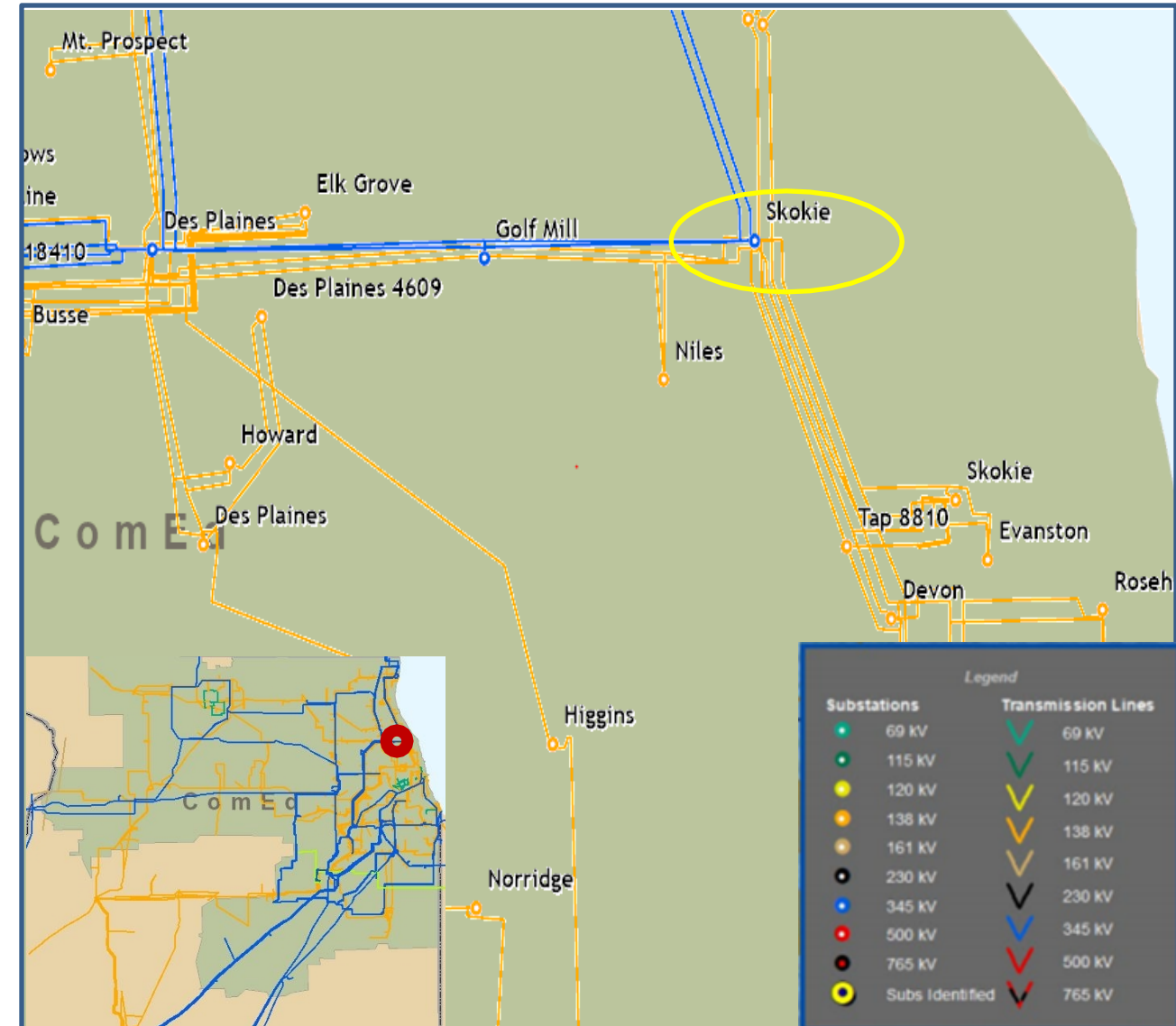
No feasible alternatives available

**Projected In-Service:**

Phase 1: 12/31/2026, Phase 2: 12/31/2028

**Project Status:** Engineering

**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

7/25/2024 – V1 – Original version posted to pjm.com