SRRTEP - Western Committee
ComEd Supplemental Projects

March 19, 2026

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
Sabrooke 138KV CBs

Need Number: ComEd-2026-003

Process Stage: Need Meeting 3/19/2026

Project Driver:

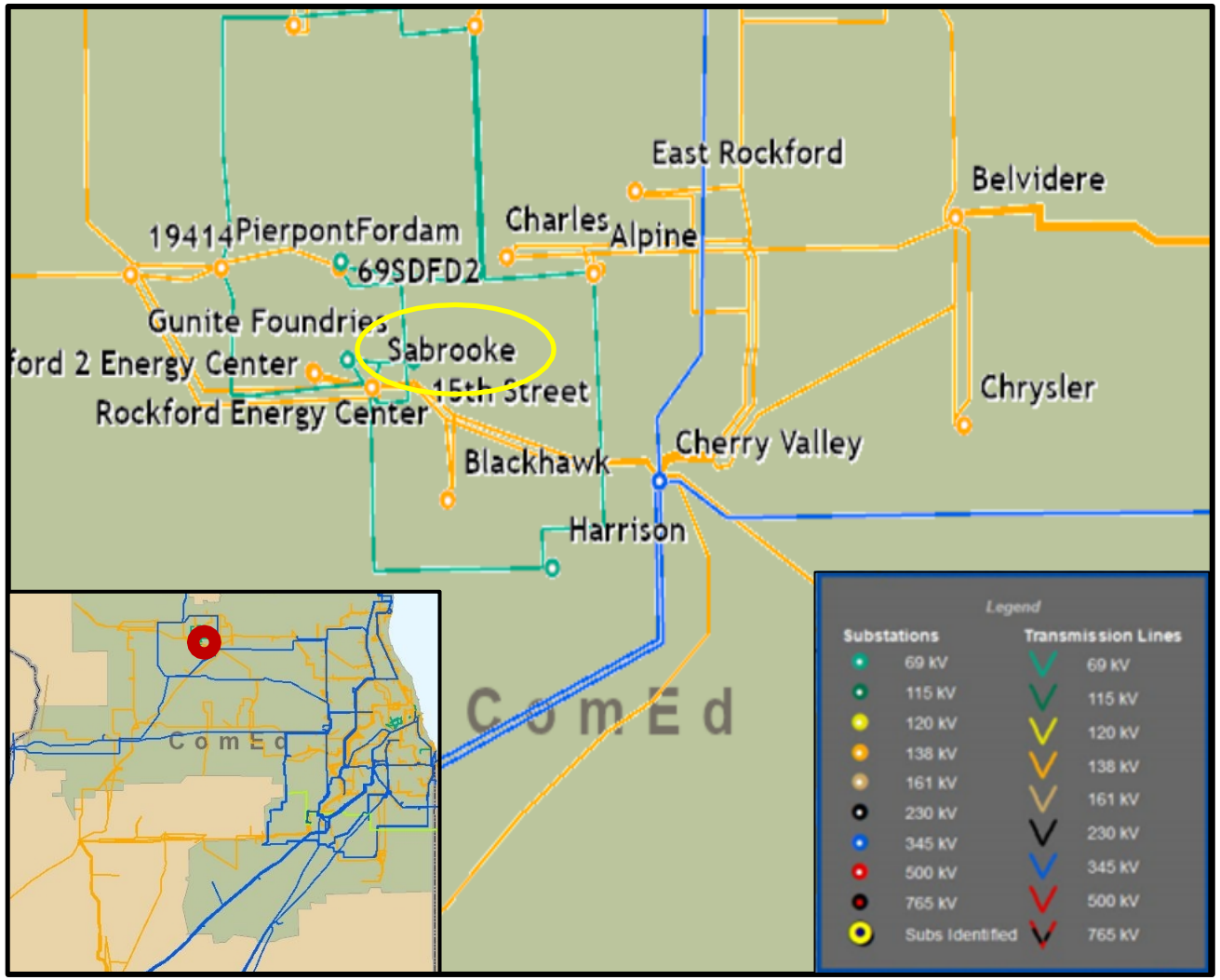
Equipment Material Condition, Performance, and Risk

Specific Assumption Reference:

- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions
- Programmatic review and/or replacement of breakers, relays, wood poles, cables, etc.

Problem Statement:

Sabrooke 138kV oil circuit breakers L17113 and BT1-3 were installed in 1969 and 1976 respectively. They are in deteriorating condition, have a lack of replacement parts and have elevated maintenance costs.



ComEd Transmission Zone M-3 Process
Rockwell 138KV CB

Need Number: ComEd-2026-004

Process Stage: Need Meeting 3/19/2026

Project Driver:

Equipment Material Condition, Performance, and Risk

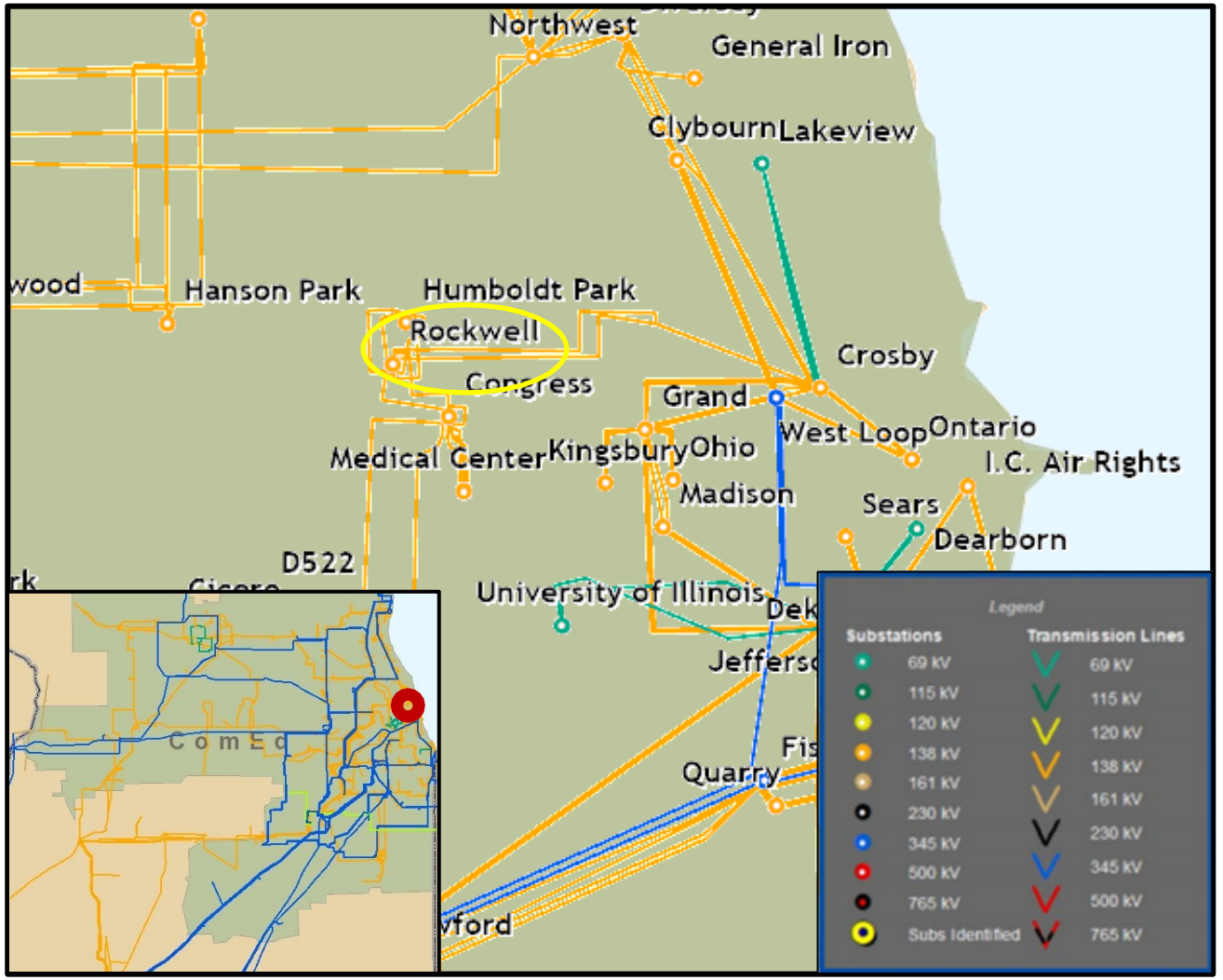
Specific Assumption Reference:

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

• Programmatic review and/or replacement of breakers, relays, wood poles, cables, etc.

Problem Statement:

Rockwell 138kV oil circuit breaker BT3-4 was installed in 1973. 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

ComEd Transmission Zone M-3 Process
Belvidere Hardening

Need Number: ComEd-2026-002

Process Stage: Solution meeting 3/19/2026

Previously Presented: Need Meeting 2/13/2026

Project Driver:

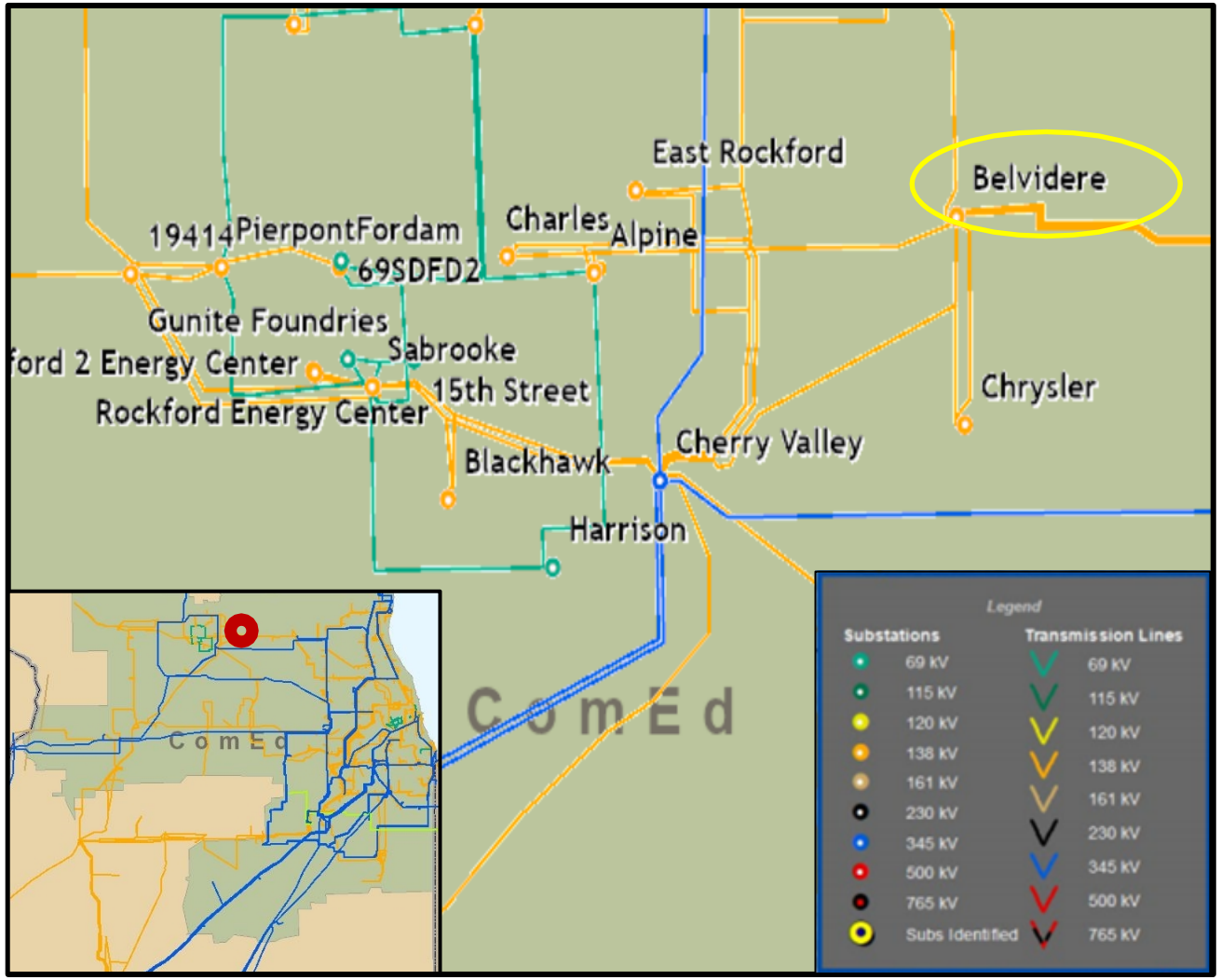
Operational Flexibility and Efficiency, Infrastructure Resilience

Specific Assumption Reference:

- Enhancing system functionality, flexibility, visibility, or operability

Problem Statement:

- Belvidere is currently a Straight Bus Substation with six 138KV Lines, two bus-tie breakers, two 138KV/34KV and two 138KV/12KV distribution transformers. A failure of any circuit breaker results in an outage of half of the station.
- Lack of 138KV Red-Blue bus-tie results in operational concerns during line outage scenarios due to lack of sources.



ComEd Transmission Zone M-3 Process
Belvidere Hardening

Need Number: ComEd-2026-002

Process Stage: Solution Meeting 3/19/2026

Proposed Solution:

- Replace 138kV open air straight bus with GIS in a breaker and half configuration (23 Circuit Breakers) at Belvidere

Estimated Transmission cost: $131.8M

Alternatives Considered:

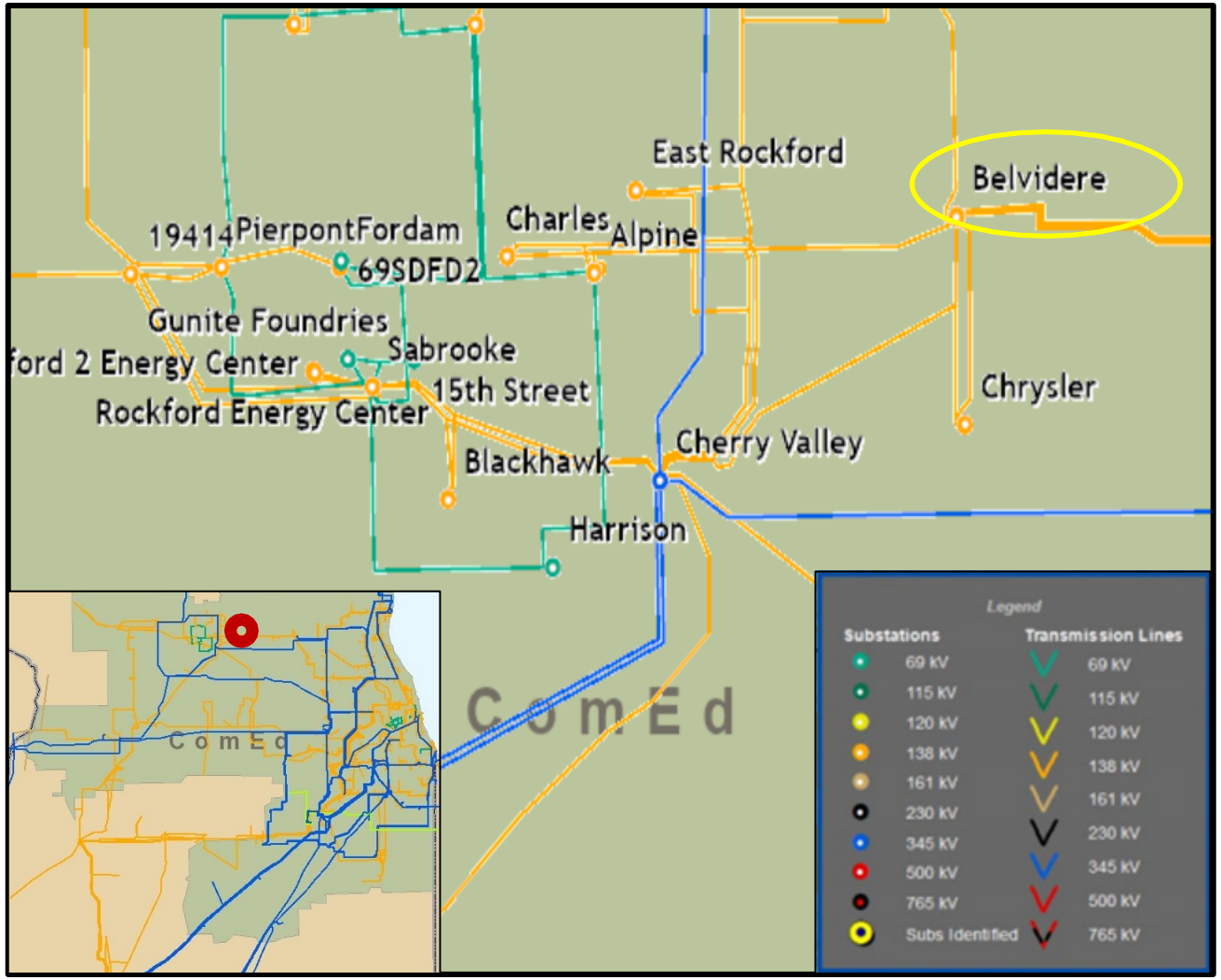
Replace existing 138kV open air straight bus with 138kV air insulated substation in a breaker and a half configuration (23 Circuit Breakers)

- This alternative was not pursued due to real estate constraints.

Projected In-Service: 12/31/2028

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

3/9/2026 – V1 – Original version posted to pjm.com