



SRRTEP - Western Committee ComEd Supplemental Projects

November 14, 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-2025-027

Process Stage: Need Meeting 11/14/2025

Project Driver:

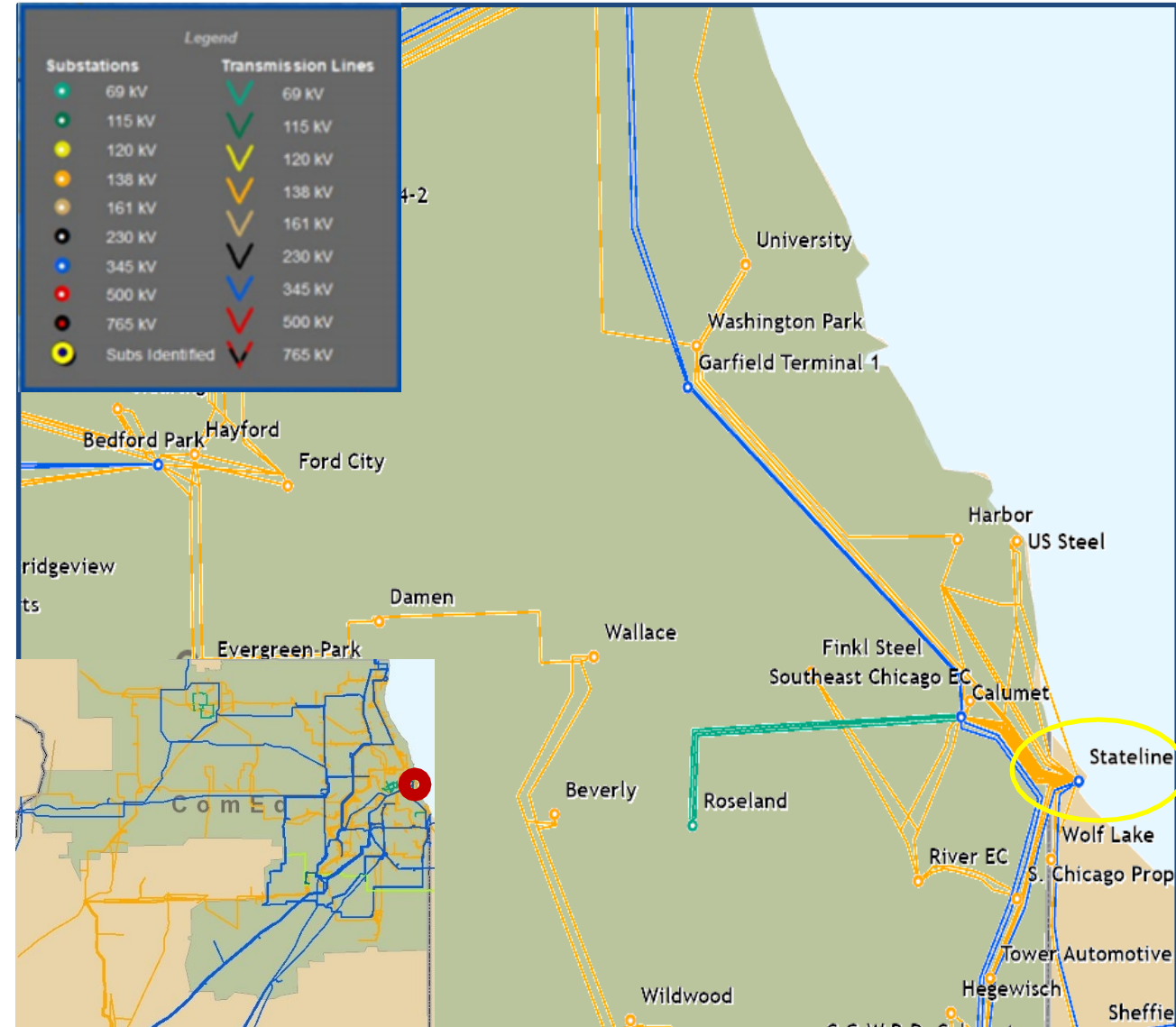
Other

Specific Assumption Reference:

Other (external public utilities and/or government requests)

Problem Statement:

NIPSCO contacted ComEd about a new customer looking for transmission service on a tie line between ComEd and NIPSCO in Indiana. Ultimate loading is expected to be 260 MW in June 2027.



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-2025-006

Process Stage:

Solution Meeting 11/14/2025

Previously Presented:

Need Meeting 6/13/2025

Project Driver:

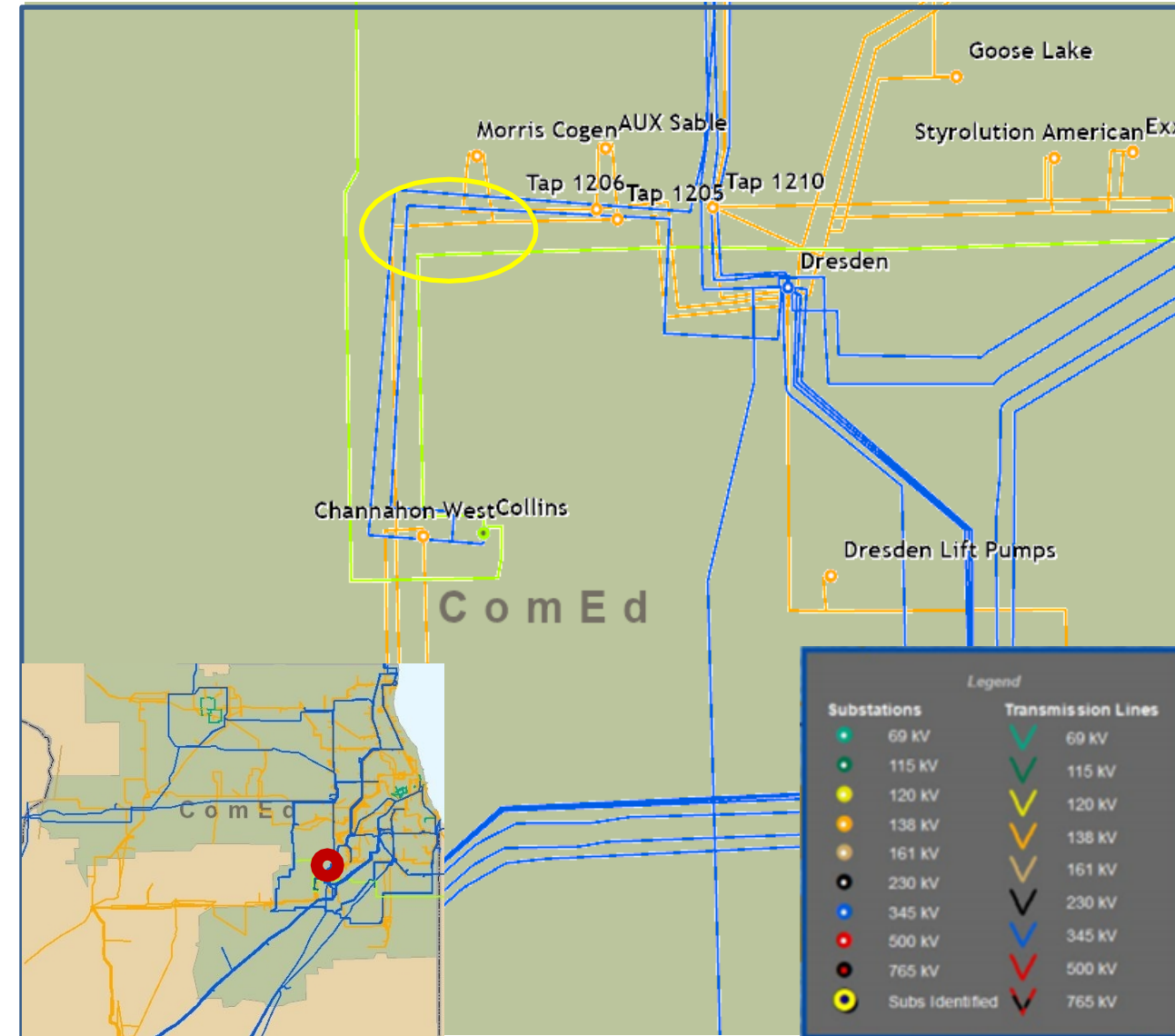
Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

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

Problem Statement:

- 138 kV, 1200 A circuit switcher on 138 kV line L1206 from Channahon to Morris CoGen tap was installed in 1975. It is in deteriorating condition, lacks replacement parts, and has elevated maintenance costs.



Need Number: ComEd-2025-006

Process Stage: Solution Meeting 11/14/2025

Proposed Solution:

- Replace 138 kV line circuit switcher
 - Old Ratings: 1200 A
 - New Ratings: 2000 A

Channahon-ESS J375 Tap 139 kV	SN/SE (MVA)	WN/WE (MVA)
Old Ratings	269/349	316/388
New Ratings	351/449	421/500

Estimated Transmission cost: \$0.4 M

Alternatives Considered:

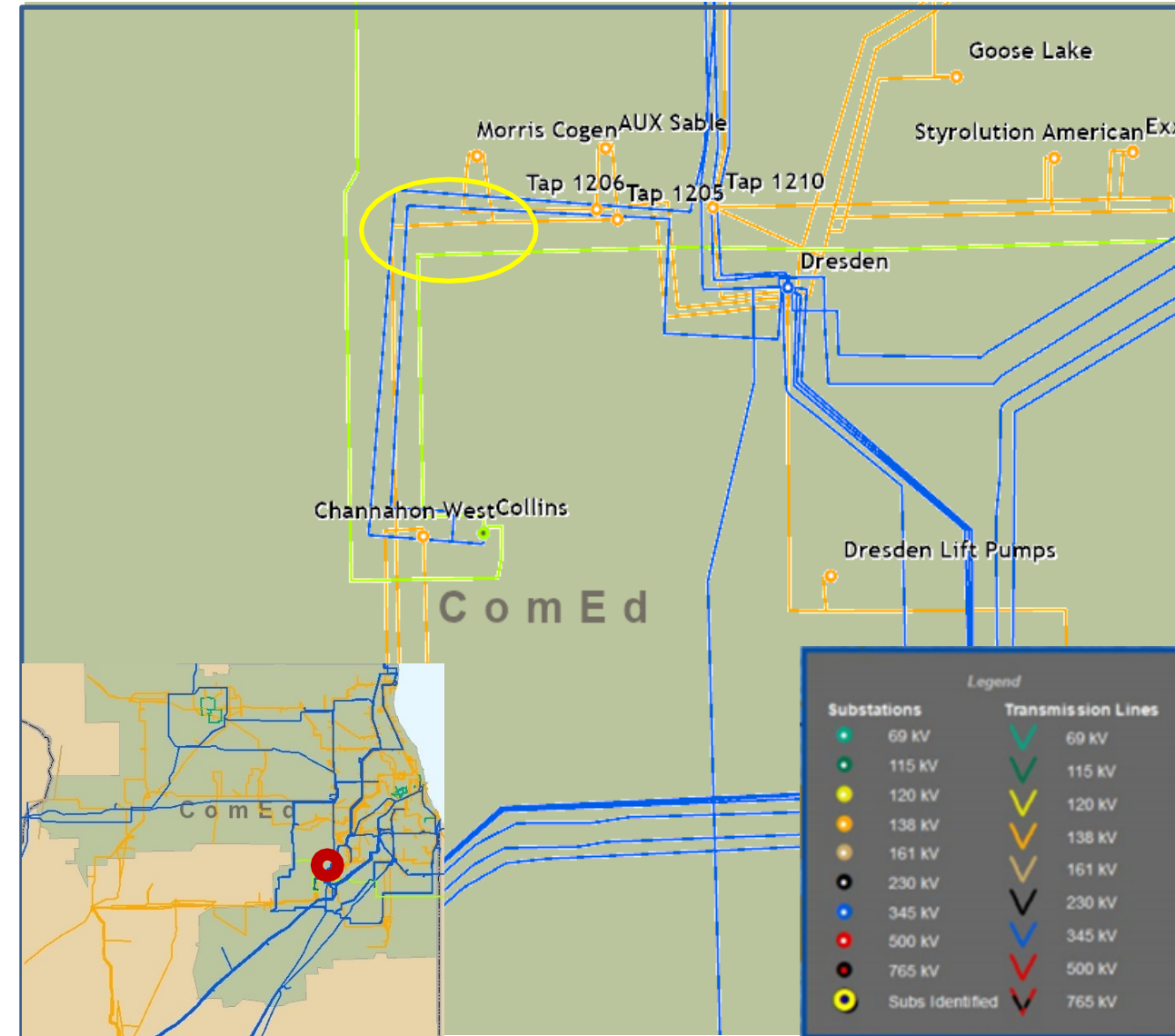
No feasible alternatives available

Projected In-Service:

3/31/2030

Project Status: Conceptual

Model: 2029 RTEP



ComEd Transmission Zone M-3 Process 138 kV L1205 Circuit Switcher

Need Number: ComEd-2025-007

Process Stage:

Solution Meeting 11/14/2025

Previously Presented:

Need Meeting 6/13/2025

Project Driver:

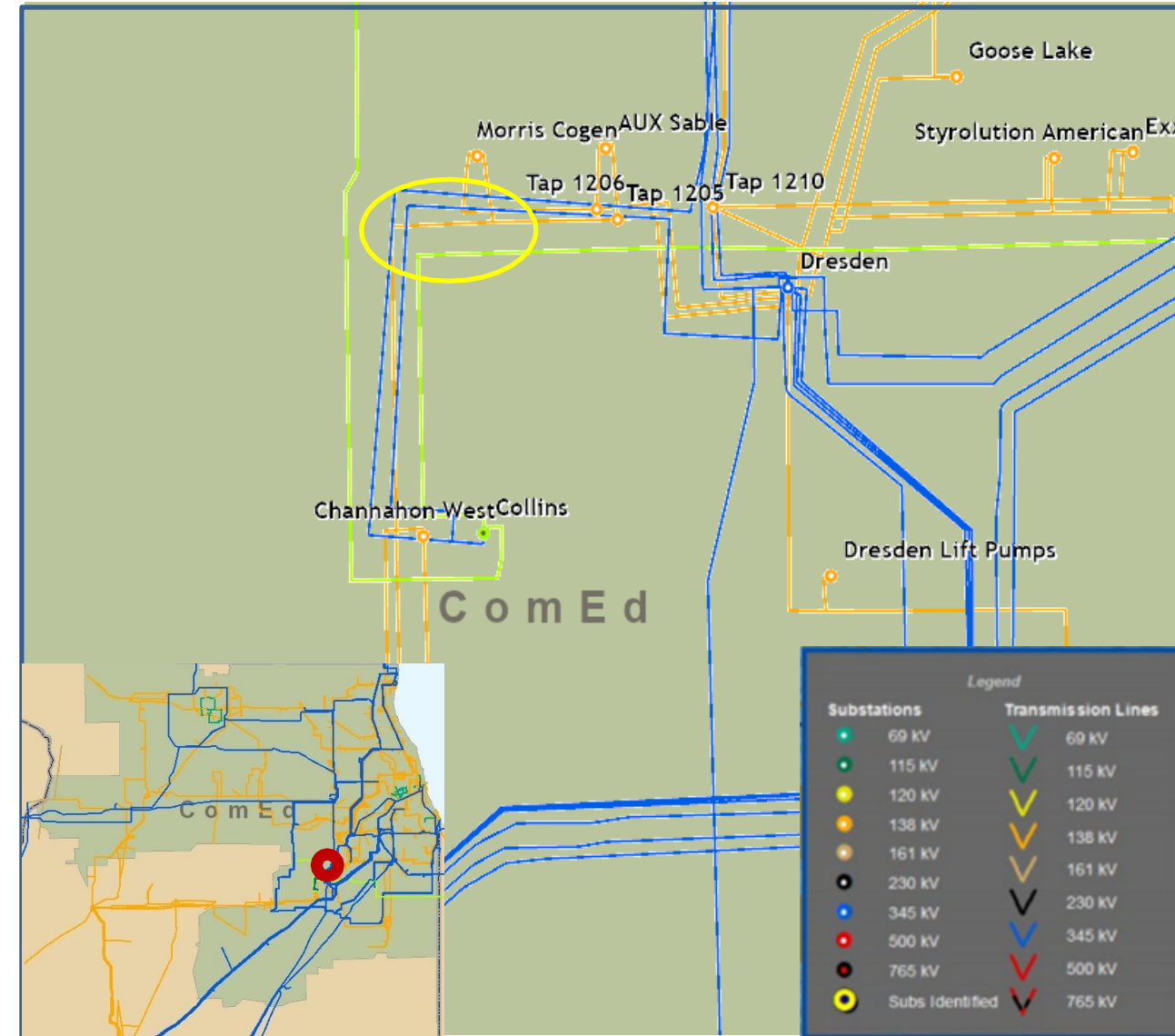
Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

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

Problem Statement:

- 138 kV, 1200 A circuit switcher on 138 kV line L1205 from Mazon to Morris CoGen tap was installed in 1975. It is in deteriorating condition, lacks replacement parts, and has elevated maintenance costs.



ComEd Transmission Zone M-3 Process 138 kV L1205 Circuit Switcher

Need Number: ComEd-2025-007

Process Stage: Solution Meeting 11/14/2025

Proposed Solution:

- Replace 138 kV line circuit switcher
 - Old Ratings: 1200 A
 - New Ratings: 2000 A

Mazon – ESS J375 Tap 138 kV	SN/SE (MVA)	WN/WE (MVA)
New Ratings	269/349	316/388
Old Ratings	351/449	421/500

Estimated Transmission cost: \$0.4 M

Alternatives Considered:

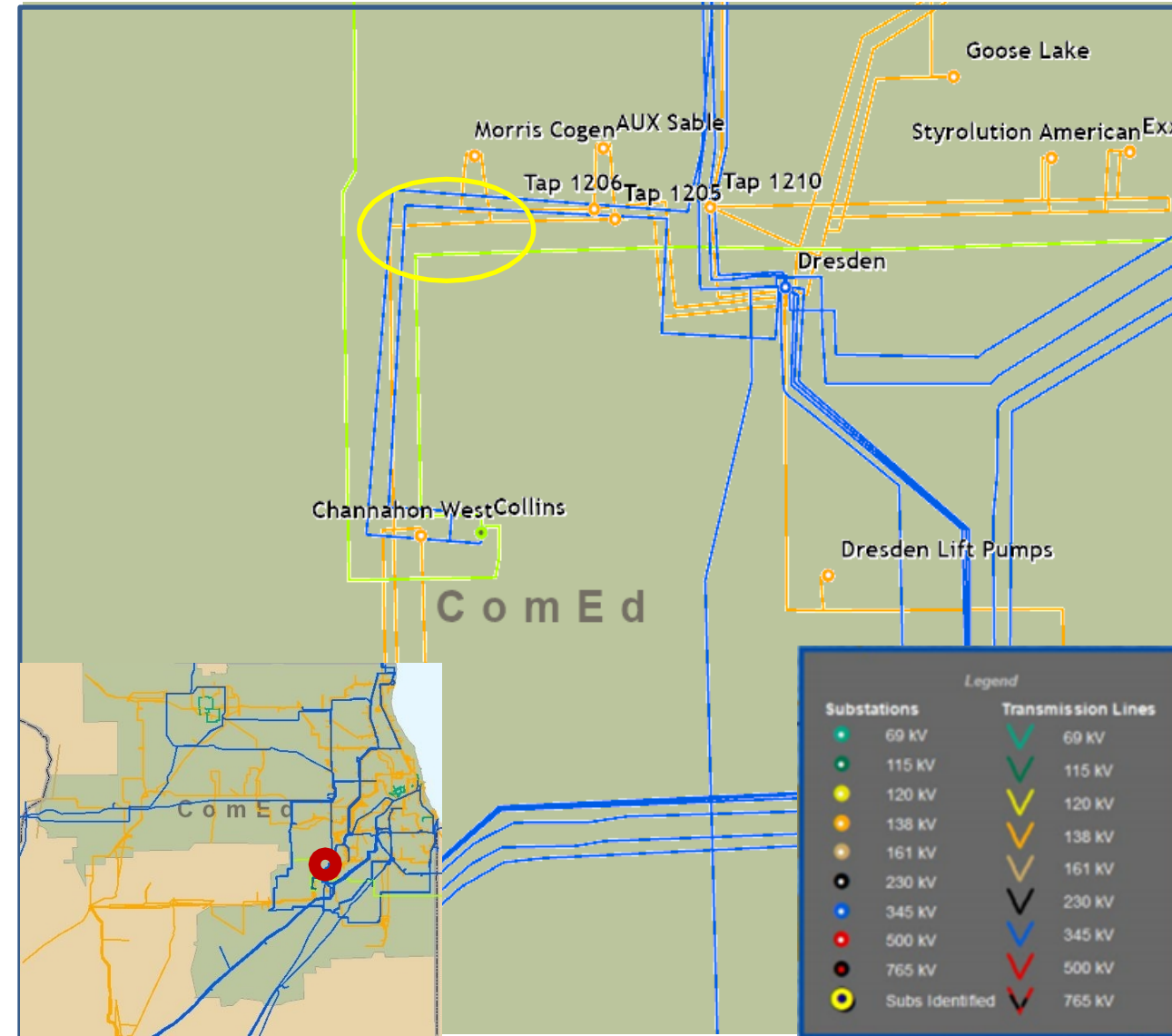
No feasible alternatives available

Projected In-Service:

3/31/2030

Project Status: Conceptual

Model: 2029 RTEP



Need Number: ComEd-2025-023

Process Stage:

Solution Meeting 11/14/2025

Previously Presented:

Need Meeting 10/17/2025

Project Driver:

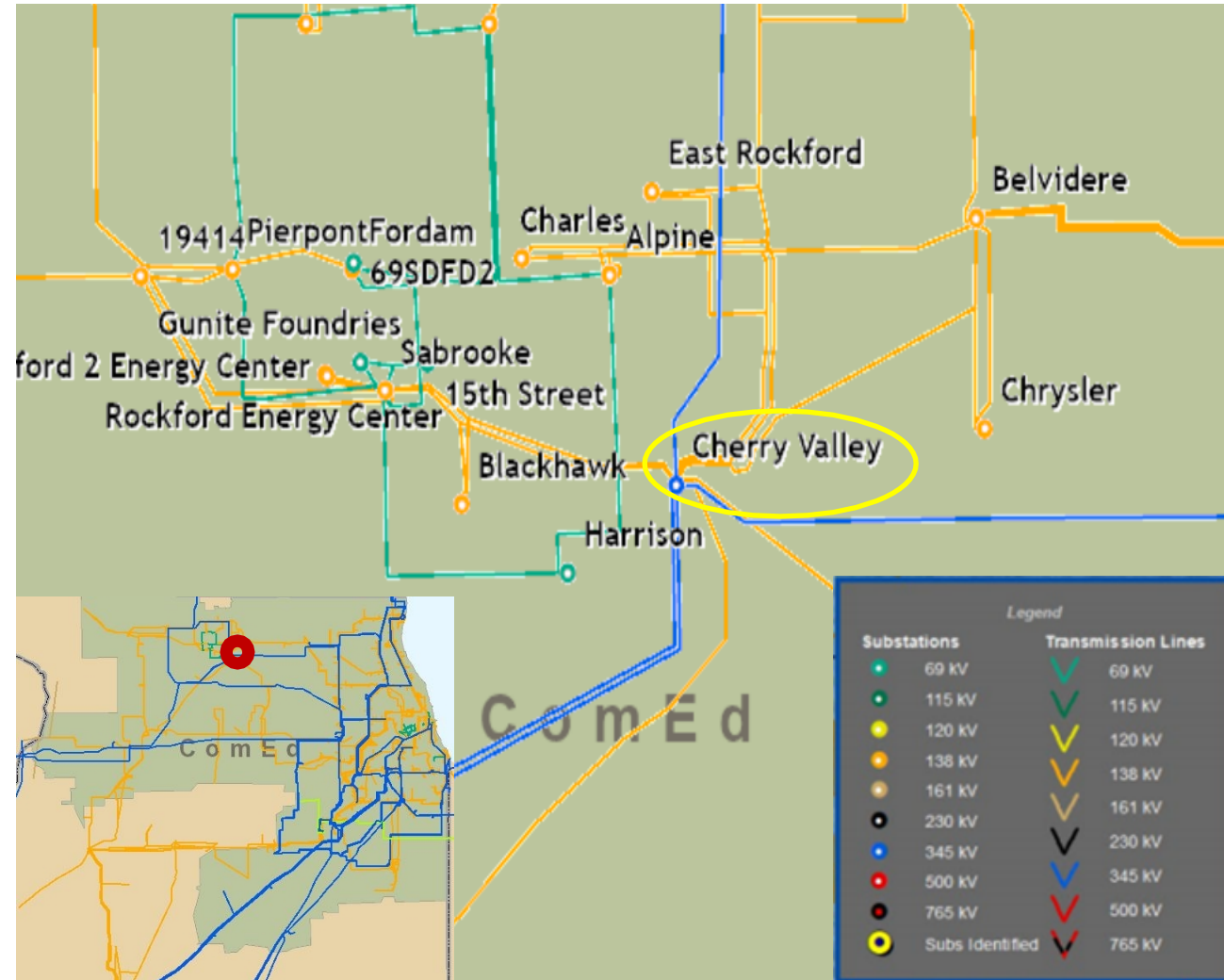
Equipment Material Condition, Performance, and Risk

Specific Assumption Reference:

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

Problem Statement:

Cherry Valley 138 kV 1-2 BT oil circuit breaker was installed in 1969. It is in deteriorating condition, has a lack of replacement parts and has elevated maintenance costs.



Need Number: ComEd-2025-023

Process Stage: Solution Meeting 11/14/2025

Proposed Solution:

- Replace 138 kV oil CB with gas CB
 - Old Ratings: 1200 A, 37 kA
 - New Ratings: 3000 A, 63kA

TSS 156 Cherry Valley 138 kV BT 1-2	SN/SE (MVA)	WN/WE (MVA)
Old Ratings	403/442	496/530
New Ratings	730/805	851/928

Estimated Transmission cost: \$2.6 M

Alternatives Considered:

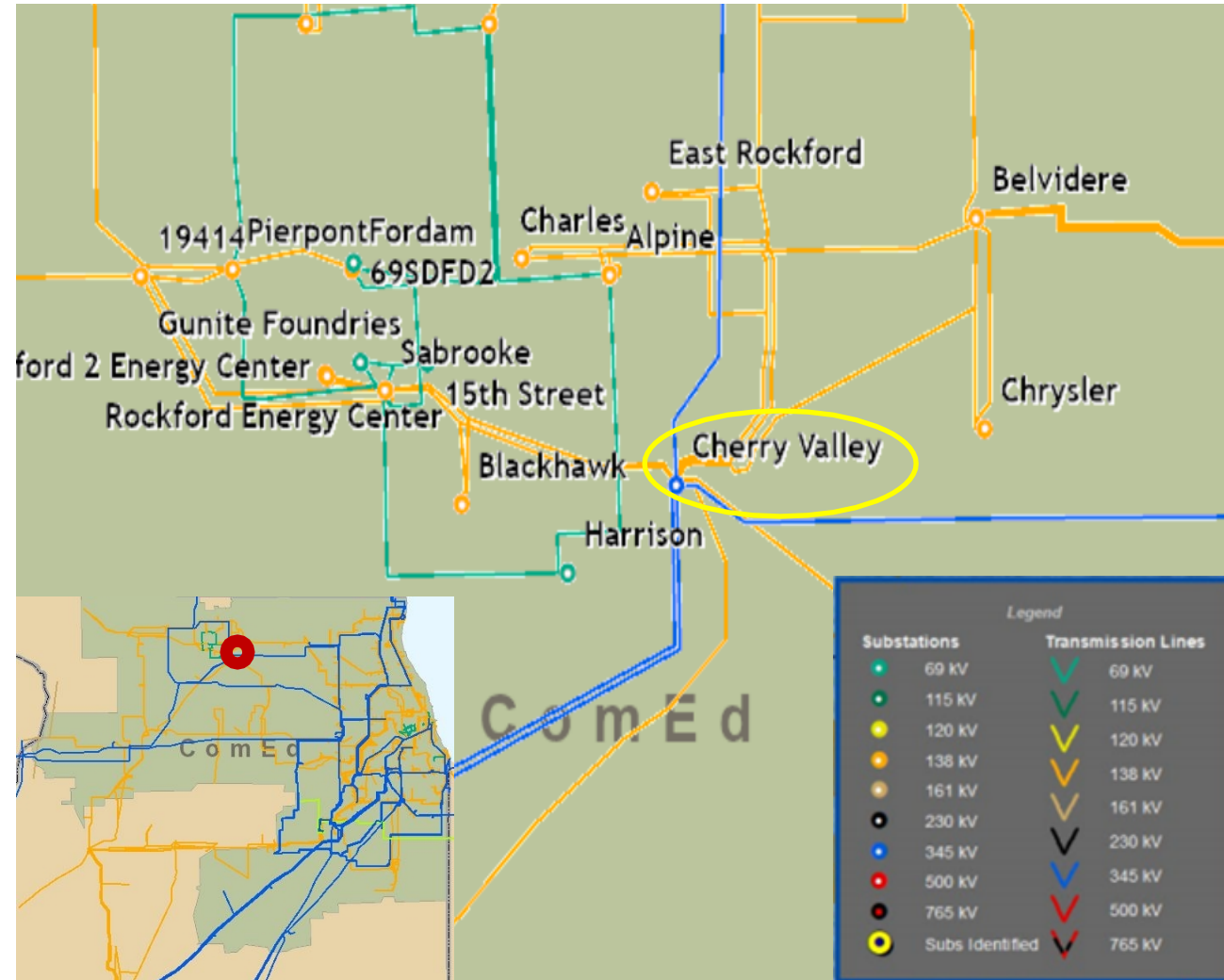
No feasible alternatives available

Projected In-Service:

12/31/2026

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

11/4/2025 – V1 – Original version posted to pjm.com