SRRTEP - Western Committee
ComEd Supplemental Projects

February 17, 2023

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
Franklin Park

Need Number: ComEd-2022-006

Process Stage: Solutions Meeting 2/17/2023

Previously Presented: Need Meeting 11/18/2022

Project Driver:

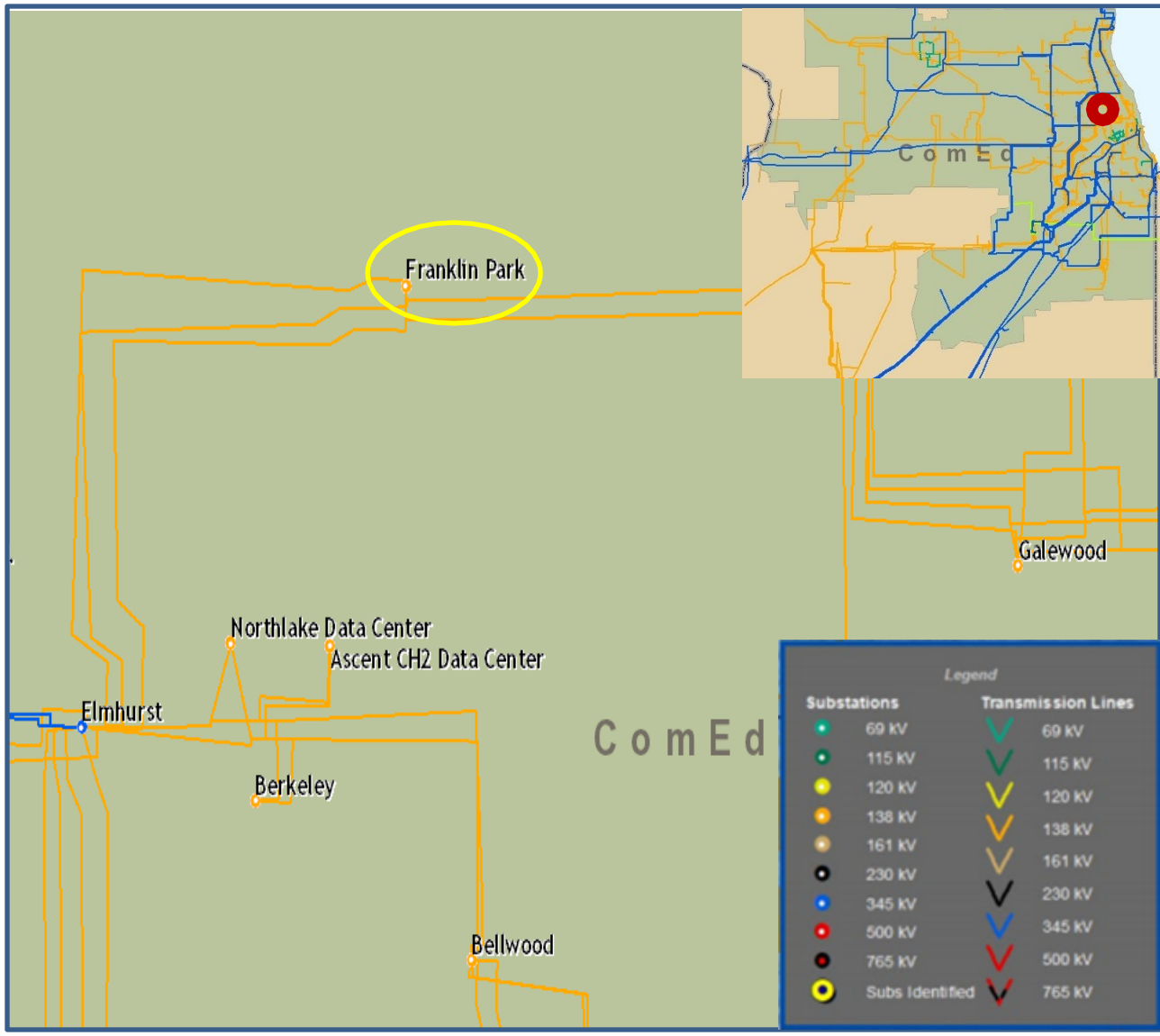
Operational Flexibility and Efficiency

Specific Assumption Reference:

- Enhancing system functionality, flexibility, visibility, or operability

Problem Statement:

There are three 138 kV lines from Elmhurst to Franklin Park. Two of the lines share a ring bus circuit breaker at Franklin Park resulting in the loss of two of the three lines for a stuck breaker contingency.



ComEd Transmission Zone M-3 Process
Franklin Park

Need Number: ComEd-2022-006

Process Stage: Solutions Meeting 2/17/2023

Proposed Solution:

Install a new 138 kV CB between Bus 4 and existing BT 2-4 to create a new bus 6

Estimated Transmission Cost: $ 3.2 M

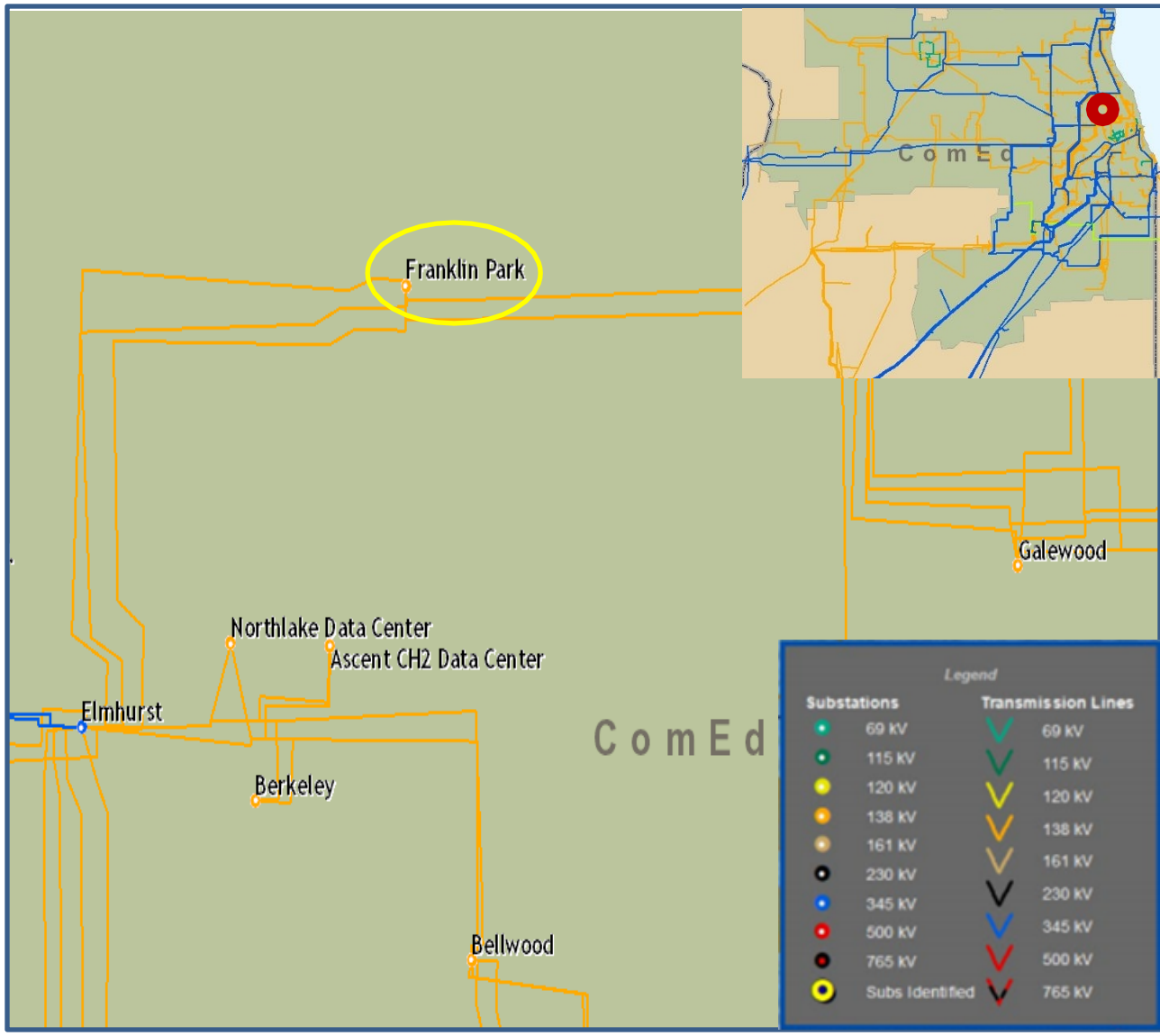
Alternatives Considered:

No feasible alternatives

Projected In-Service: 12/31/2023

Project Status: Conceptual

Model: RTEP 2027



ComEd Transmission Zone M-3 Process
Jefferson

Need Number: ComEd-2022-007

Process Stage: Solutions Meeting 2/17/2023

Previously Presented: Need Meeting 11/18/2022

Project Driver:

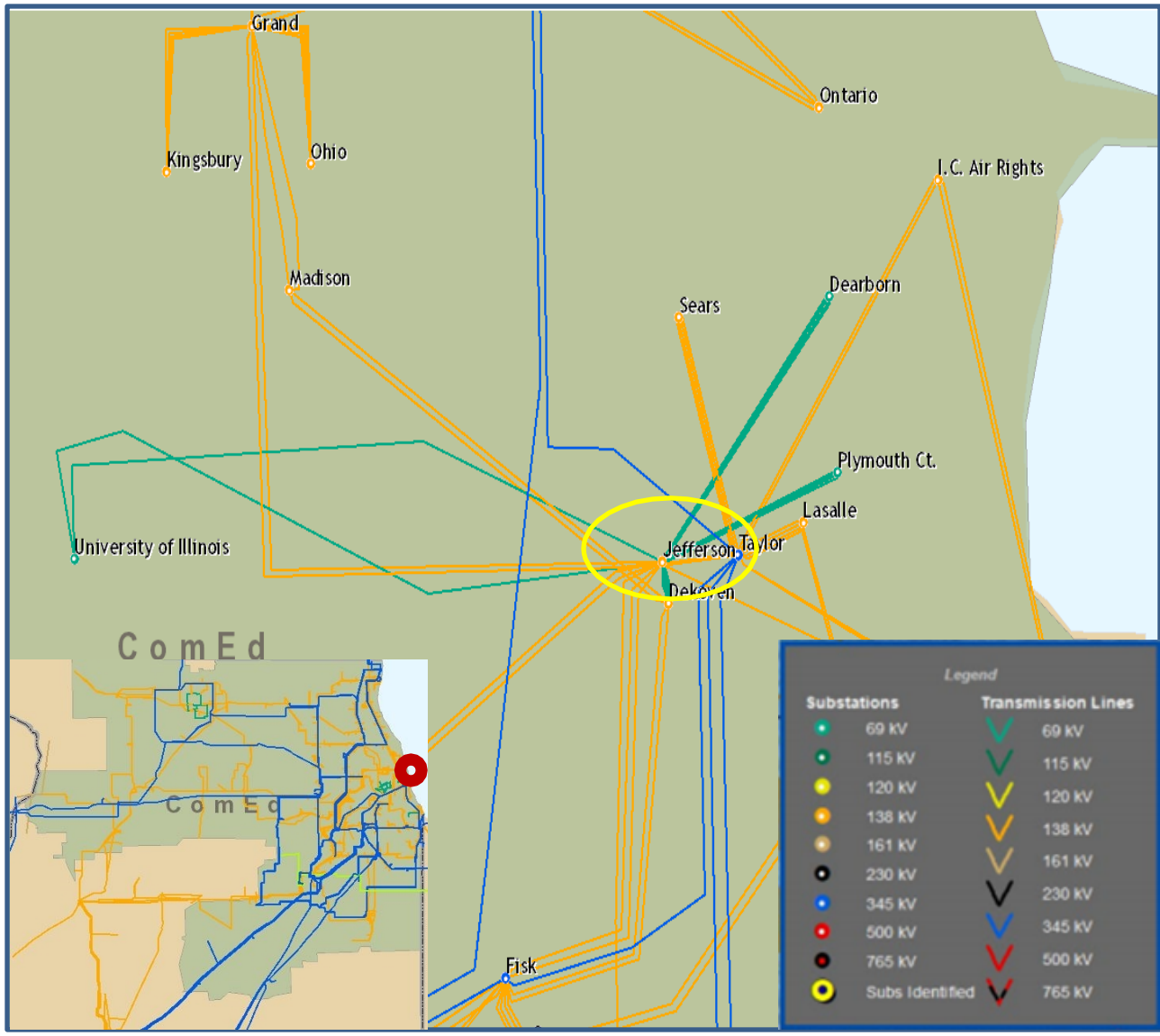
Customer Service

Specific Assumption Reference:

- Transmission System configuration changes due to new or expansion of existing distribution substations

Problem Statement:

ComEd Distribution has a need for an additional 138-12 kV transformer at Jefferson substation.



ComEd Transmission Zone M-3 Process
Jefferson

Need Number: ComEd-2022-007

Process Stage: Solutions Meeting 2/17/2023

Proposed Solution:

Install a new 138-12 kV transformer on bus 9 and move 138 kV Jefferson – Taylor line from bus 9 to Bus 8. Install 138 kV line breaker on 138 kV Jefferson – Taylor line.

Estimated Transmission Cost: $ 4.5M

Alternatives Considered:

Install new 138-12 kV transformer on bus 8.

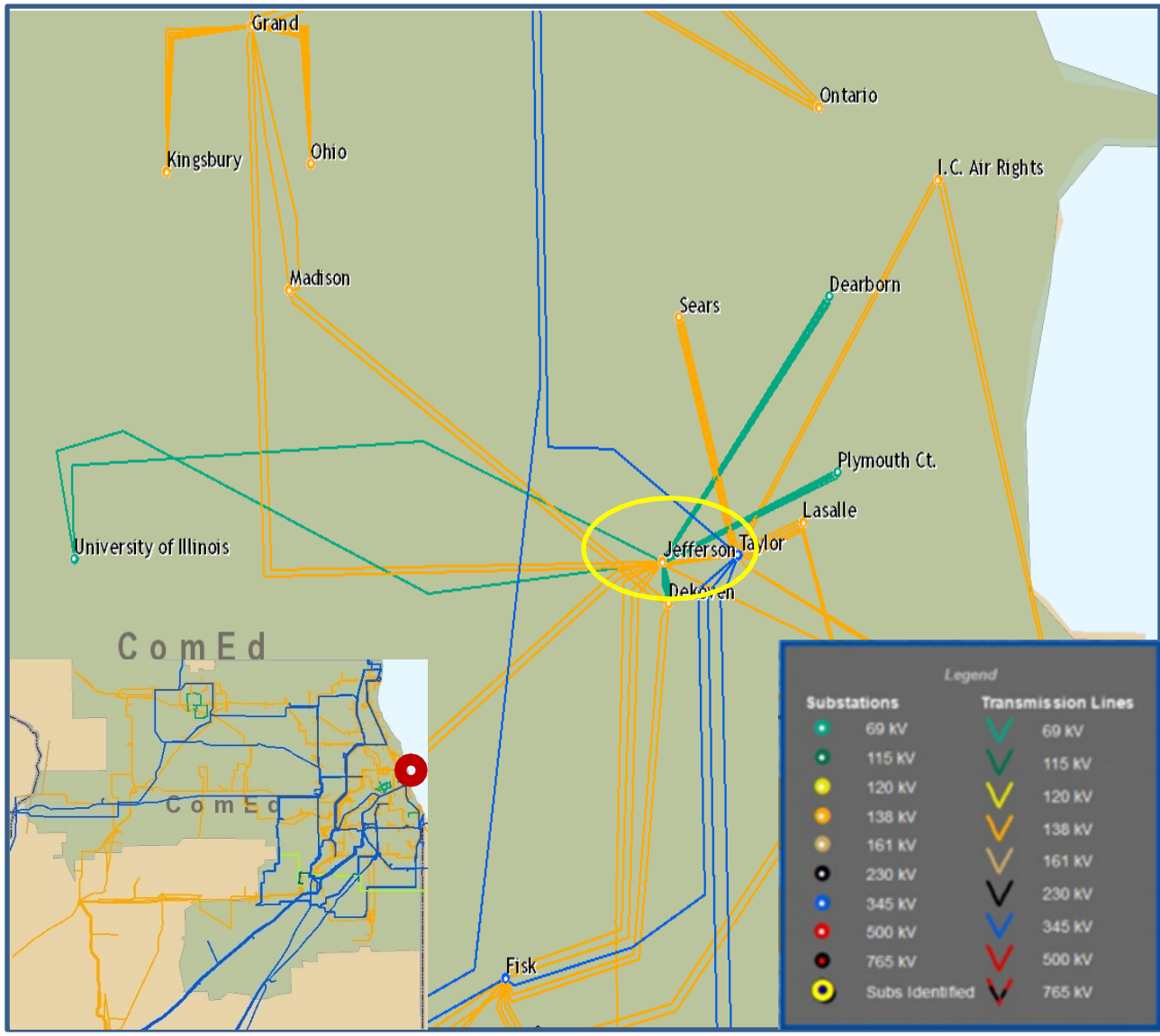
Estimated Transmission Cost: $0

This alternative was not chosen because the new transformer would share a bus position with an existing transformer feeding the same distribution load resulting in reduced reliability.

Projected In-Service: 6/1/2023

Project Status: Engineering

Model: RTEP 2027



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

2/7/2022 – V1 – Original version posted to pjm.com