TEAC Committee
ComEd Supplemental Projects

February 3, 2026

Exelon Supplemental Needs Withdrawal

Need Number	TO	Area	Needs Meeting	Solutions Meeting	Project Name	Project Description	TO Notes
ComEd-2025-012	ComEd	PJM West	9/9/2025		Customer in Braidwood	New customer is looking for transmission service in the Braidwood area. Initial loading is expected to be 60 MW in 2029, 190 MW in June 2030 with an ultimate load of 750 MW in 2034.	Withdraw Need
ComEd-2025-017	ComEd	PJM West	9/9/2025		Customer in Aurora	New customer is looking for transmission service in the Aurora area. Initial loading is expected to be 148 MW in June 2029 with an ultimate load of 450 MW in 2032.	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

ComEd Transmission Zone M-3 Process Customer in DeKalb

Need Number: ComEd-2025-009

Process Stage: Solutions Meeting 2/3/2026

Previously Presented: Needs Meeting 9/9/2025

Project Driver:

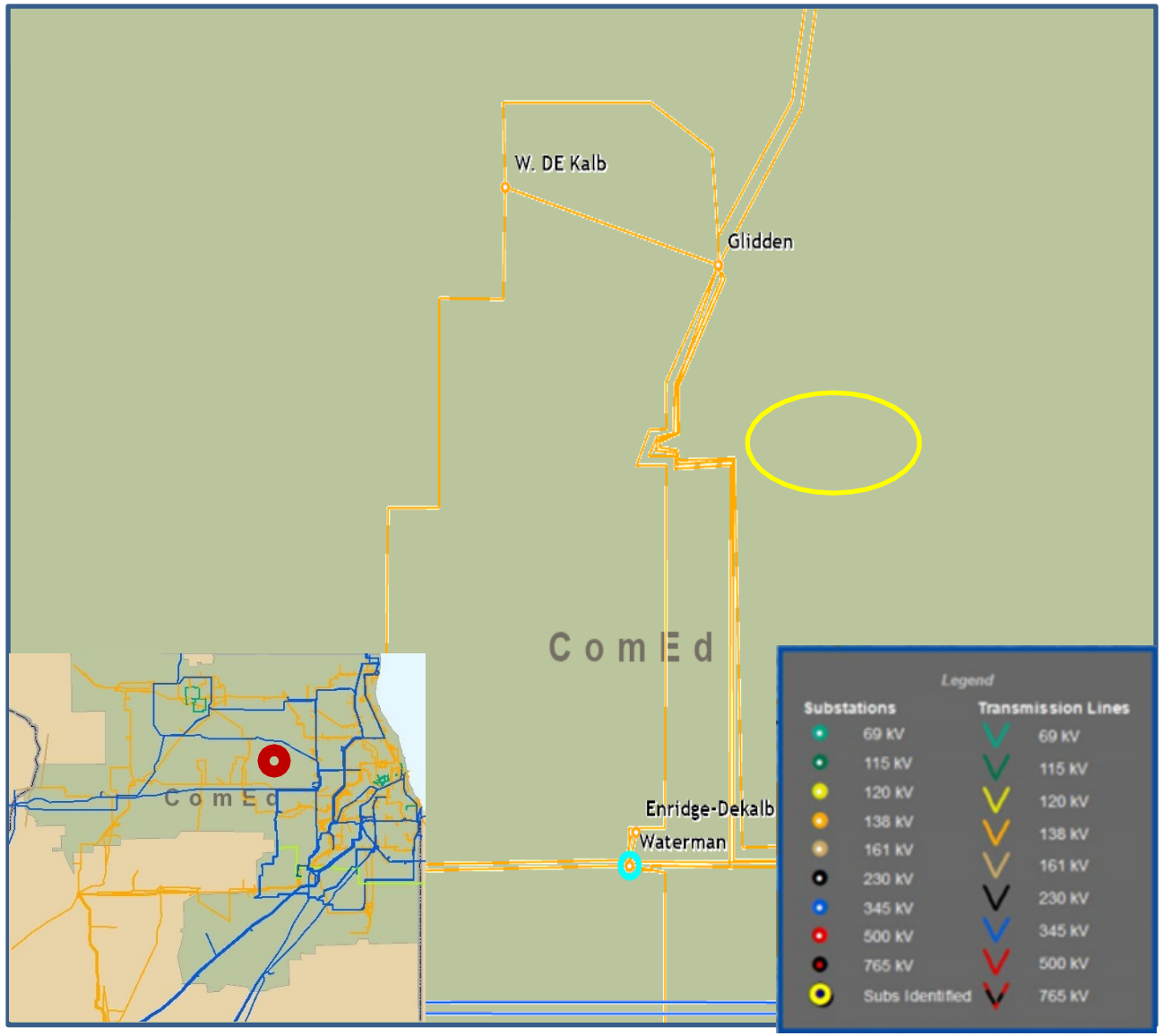
Customer Service

Specific Assumption Reference:

- New transmission customer interconnections or modification to an existing customer

Problem Statement:

New customer is looking for transmission service in the 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.



ComEd Transmission Zone M-3 Process Customer in DeKalb

Need Number: ComEd-2025-009

Process Stage: Solutions Meeting 2/3/2026

Proposed Solution:

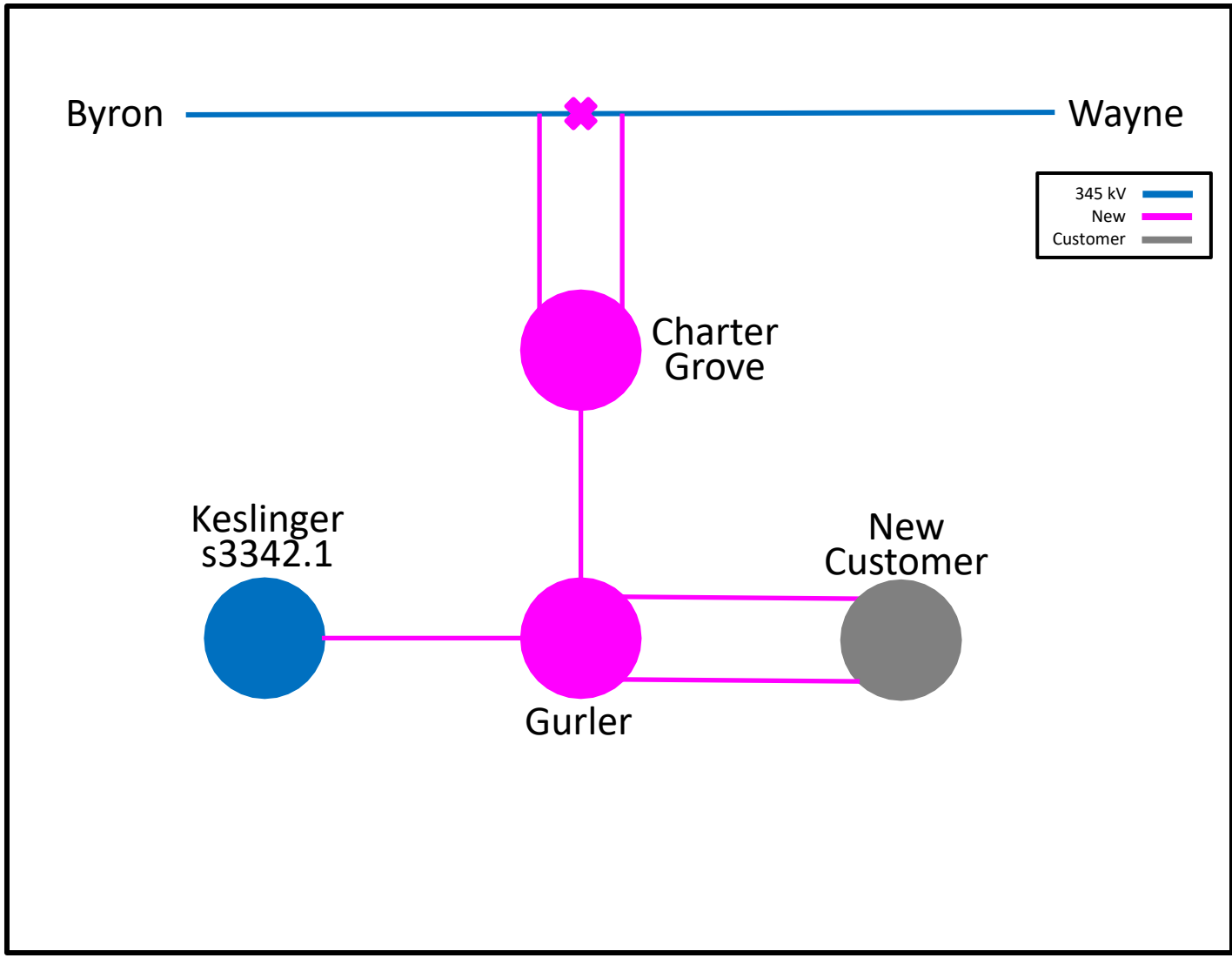
- Cut into existing 345kV Bryon to Wayne line to a new Charter Grove substation.
- Charter Grove substation will be initially installed as a 5-345kV CB ring bus configuration, ultimately expandable to a breaker and a half configuration.
- One new 16-mile 345kV line from Charter Grove to new Gurler substation.
- One new 1.5-mile 345kV line from Keslinger substation (s3342.1) to new Gurler substation.
- Gurler substation will be initially installed as a 6-345kV CB ring bus configuration, ultimately expandable to a breaker and a half configuration.
- Install 1-150 MVAR, 345kV capacitor banks at new Gurler substation.
- New customer will be radially served by two new 345 kV lines from new Gurler substation to a customer owned substation.

Estimated Transmission cost: $245M

Alternatives Considered:

No feasible alternatives available

Projected In-Service: 12/4/2029
Project Status: Conceptual
Model: 2029 RTEP



ComEd Transmission Zone M-3 Process
Customer in DeKalb

Need Number: ComEd-2025-010

Process Stage: Solutions Meeting 2/3/2026

Previously Presented: Needs Meeting 9/9/2025

Project Driver:

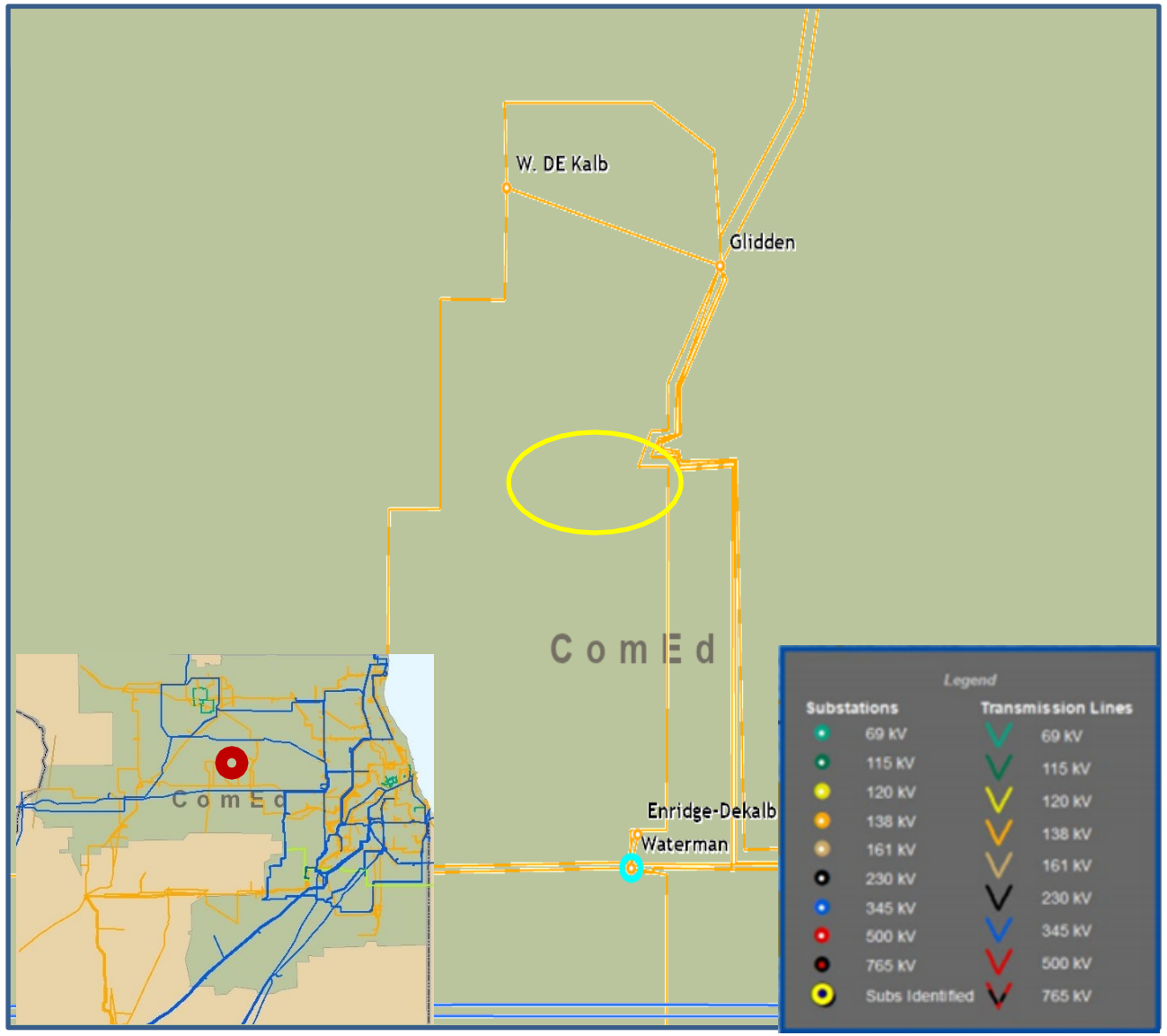
Customer Service

Specific Assumption Reference:

- New transmission customer interconnections or modification to an existing customer

Problem Statement:

New customer is looking for transmission service in the DeKalb area. Initial loading is expected to be 50 MW in June 2029 with an ultimate load of 860 MW in 2030.



ComEd Transmission Zone M-3 Process
Customer in DeKalb

Need Number: ComEd-2025-010

Process Stage: Solutions Meeting 2/3/2026

Proposed Solution:

The following scope of work is all direct connect facilities to physically connect demand to the grid.

- Install 1-150 MVAR, 345kV capacitor banks at Keslinger substation (s3342.1).
- Install 4 new 345kV CBs to the existing breaker-and-a-half configuration at Keslinger to connect the new radial lines to the customer.
- New customer will be radially served by two new 0.5-mile 345 kV lines from Keslinger substation (s3342.1) to a customer owned substation.

Estimated Transmission cost: $30M

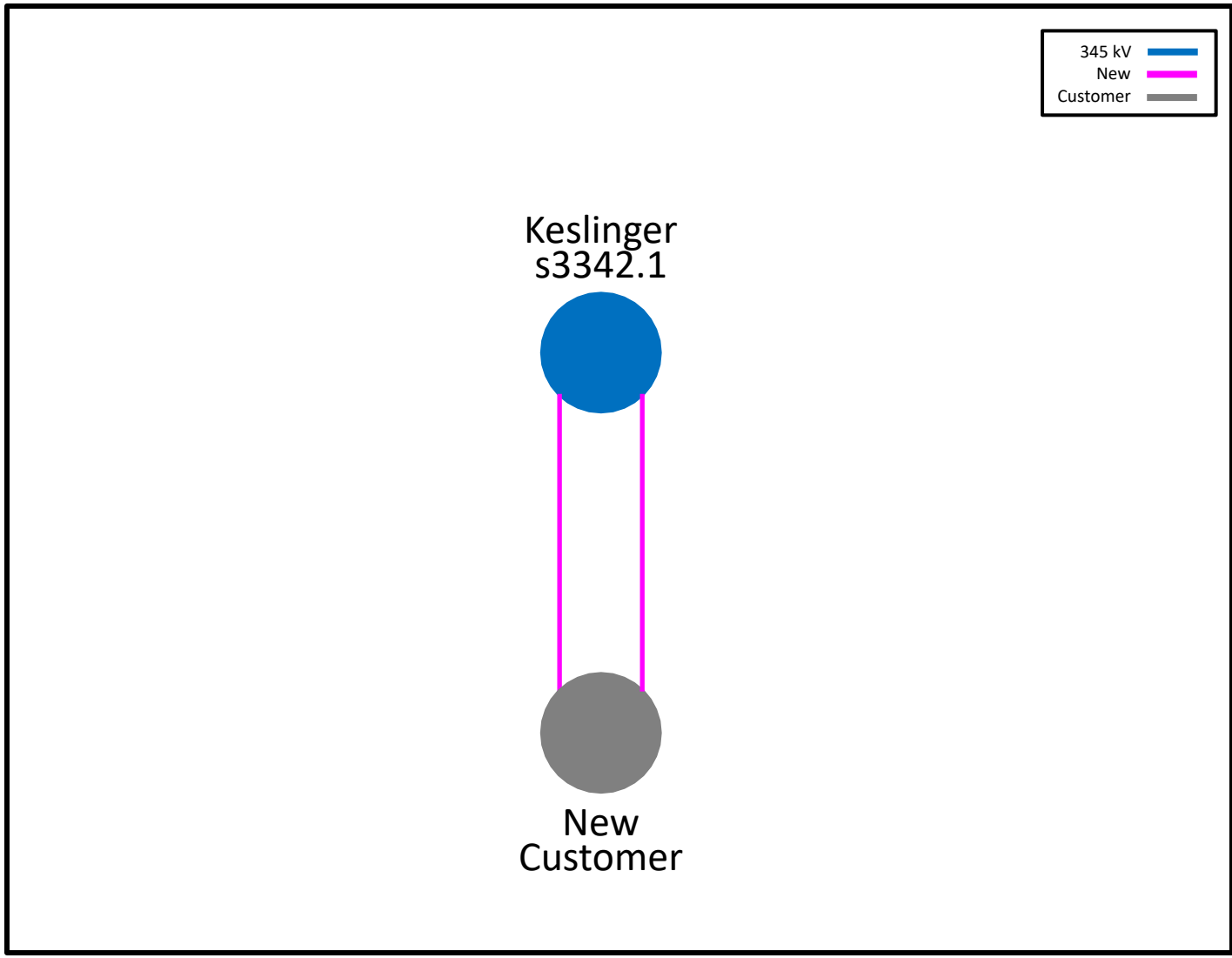
Alternatives Considered:

No feasible alternatives available

Projected In-Service: 10/31/2028

Project Status: Conceptual

Model: 2029 RTEP



ComEd Transmission Zone M-3 Process Customer in Morris

Need Number: ComEd-2025-011

Process Stage: Solutions Meeting 2/3/2026

Previously Presented: Needs Meeting 9/9/2025

Project Driver:

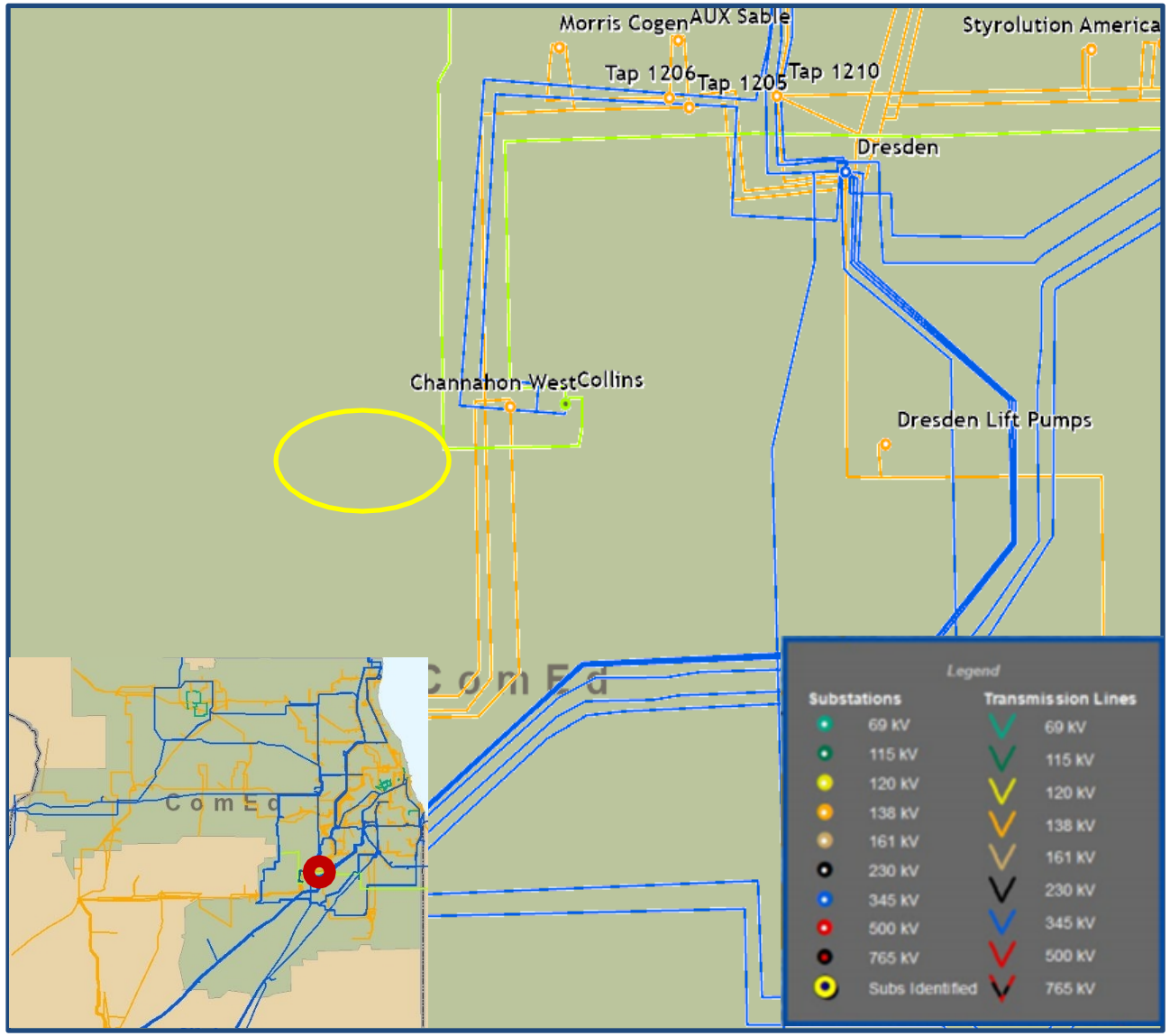
Customer Service

Specific Assumption Reference:

- New transmission customer interconnections or modification to an existing customer

Problem Statement:

New customer is looking for transmission service in the Morris area. Initial loading is expected to be 30 MW in June 2028, 230 MW in June 2029 with an ultimate load of 1,000 MW in 2032.



ComEd Transmission Zone M-3 Process
Customer in Morris

Need Number: ComEd-2025-011

Process Stage: Solutions Meeting 2/3/2026

Proposed Solution:

- Cut into existing 345kV Kendall County E.C. to Collins line to a new Hiawatha substation
- Hiawatha substation will be initially installed as a 9-345 kV CBs in a breaker and a half configuration.
- Install 1-150 MVAR, 345kV capacitor bank at new Hiawatha substation.
- Each new customer-owned substation will be radially served by two new 0.7-mile 345 kV lines from Hiawatha substation.

Estimated Transmission cost: $99M

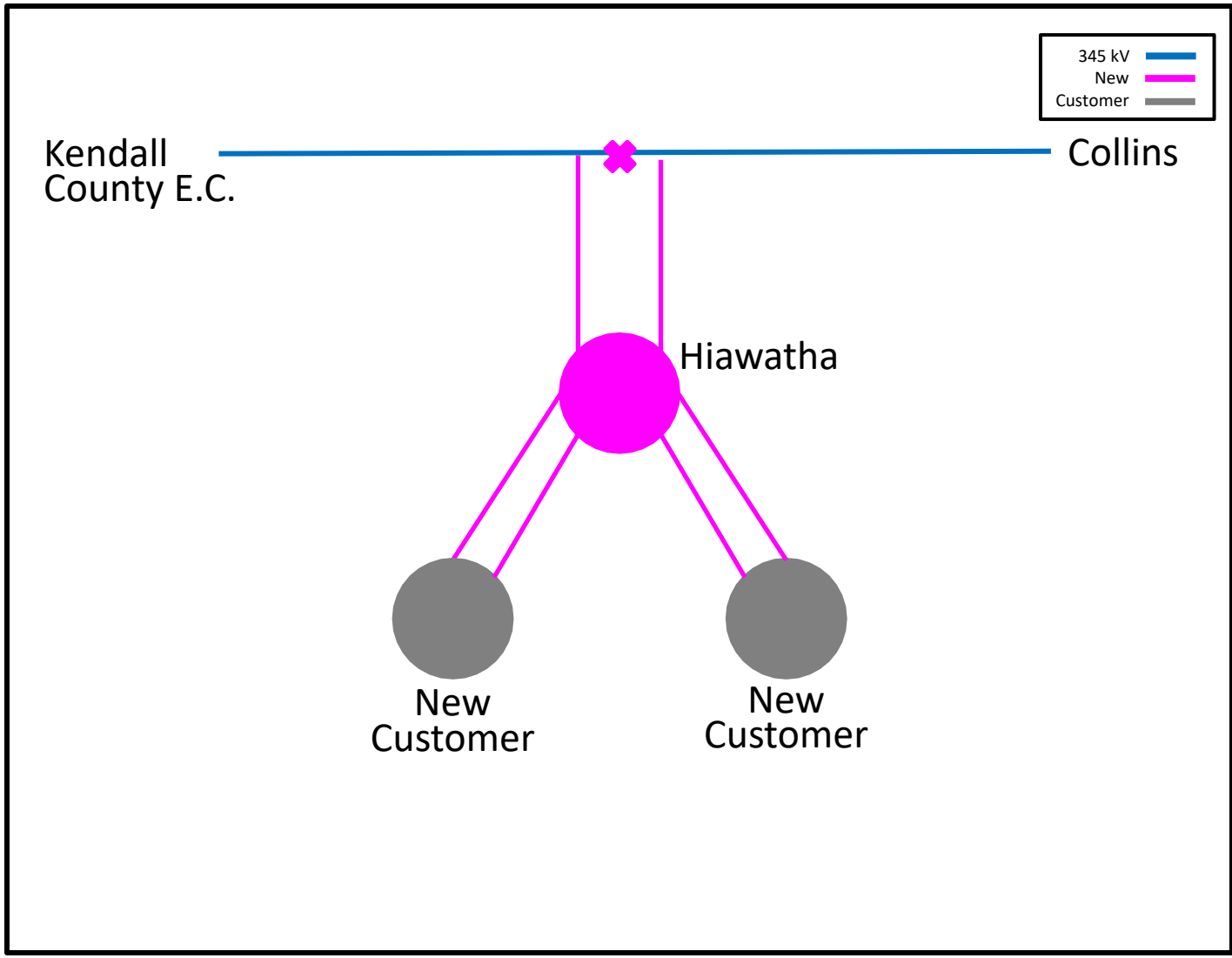
Alternatives Considered:

No feasible alternatives available.

Projected In-Service: 6/1/2028

Project Status: Conceptual

Model: 2029 RTEP



ComEd Transmission Zone M-3 Process
Customer in Coal City

Need Number: ComEd-2025-013

Process Stage: Solutions Meeting 2/3/2026

Previously Presented: Needs Meeting 9/9/2025

Project Driver:

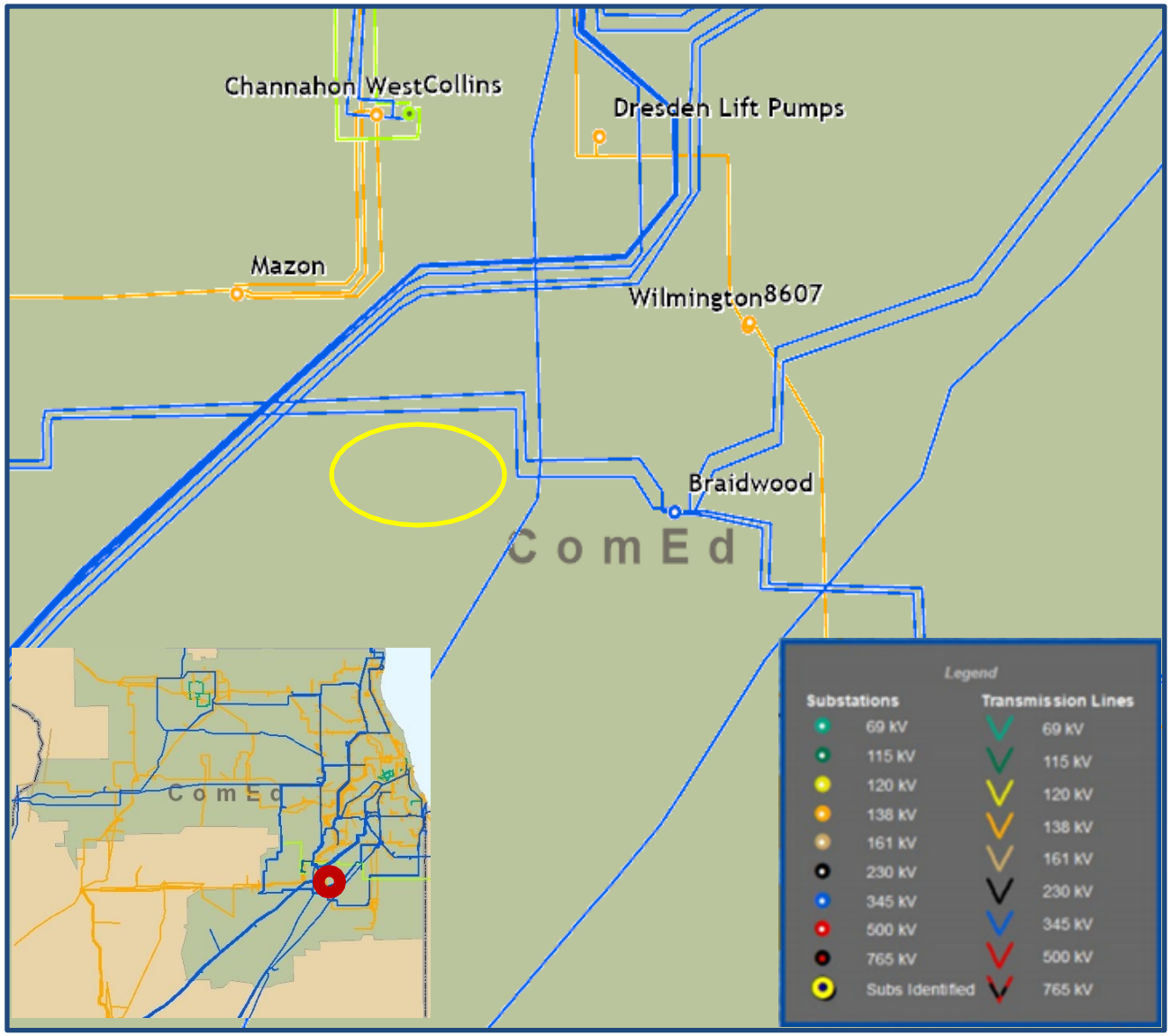
Customer Service

Specific Assumption Reference:

- New transmission customer interconnections or modification to an existing customer

Problem Statement:

New customer is looking for transmission service in the Coal City area. Initial loading is expected to be 216 MW in June 2029 with an ultimate load of 1,296 MW in 2034.



ComEd Transmission Zone M-3 Process
Customer in Coal City

Need Number: ComEd-2025-013

Process Stage: Solutions Meeting 2/3/2026

Proposed Solution:

- Cut into existing 345kV Dresden – Pontiac Midpoint line. Extend 2 lines 0.1 miles each to a new substation, Coal City.
- Cut into existing 345kV Lasalle – Braidwood line. Extend 2 lines 0.1 miles each to new substation, Coal City.
- Coal City substation will be initially installed as a 12 – 345kV CBs in a breaker and a half configuration.
- Install 2-150 MVAR, 345kV capacitor banks at new Coal City substation.
- New customer will be radially served by two new 0.1-mile 345 kV lines from Coal City substation to a customer owned substation.

Estimated Transmission cost: $145M

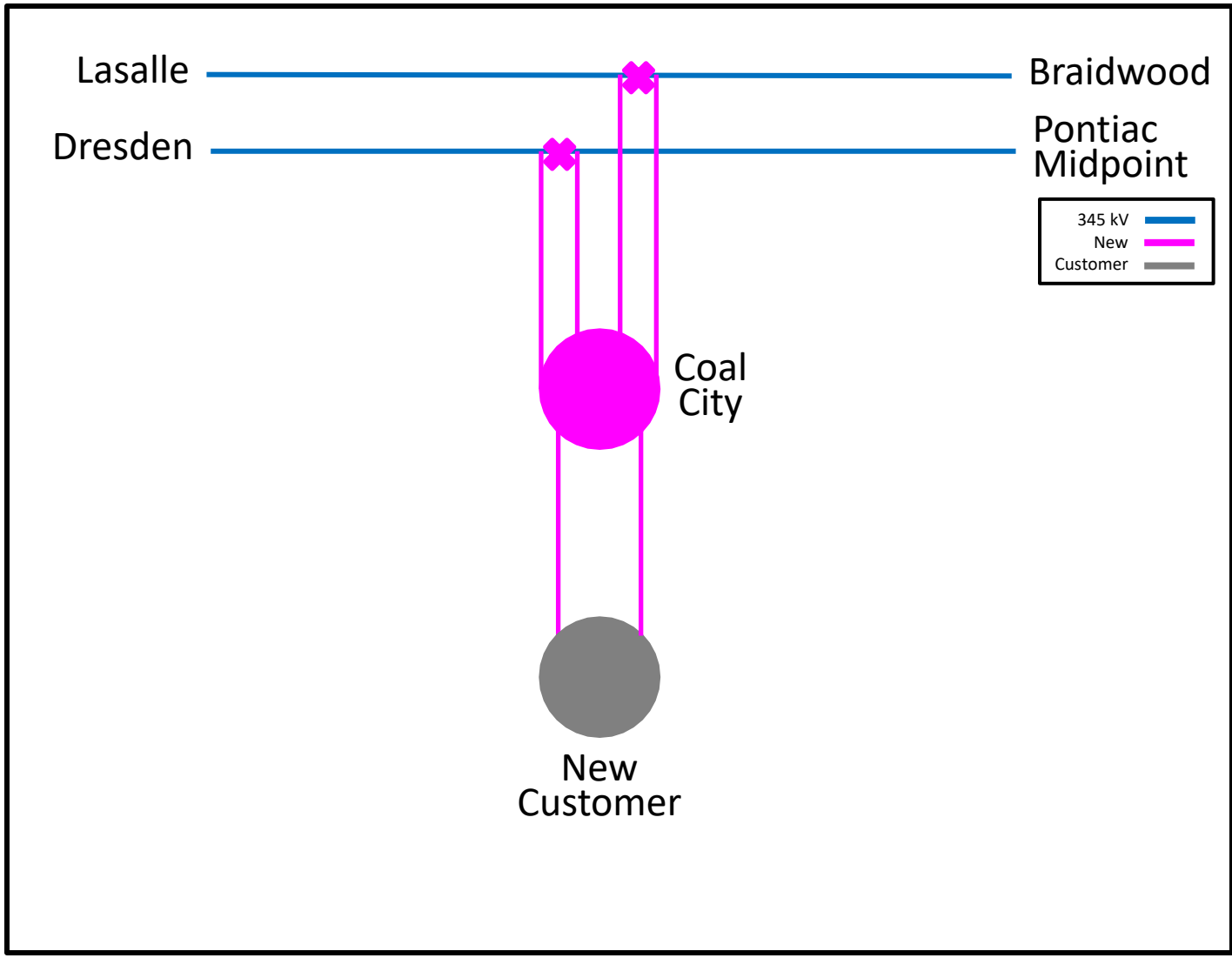
Alternatives Considered:

No feasible alternatives available

Projected In-Service: 7/1/2028

Project Status: Conceptual

Model: 2029 RTEP



ComEd Transmission Zone M-3 Process
Customer in Rockford

Need Number: ComEd-2025-014

Process Stage: Solutions Meeting 2/3/2026

Previously Presented: Needs Meeting 9/9/2025

Project Driver:

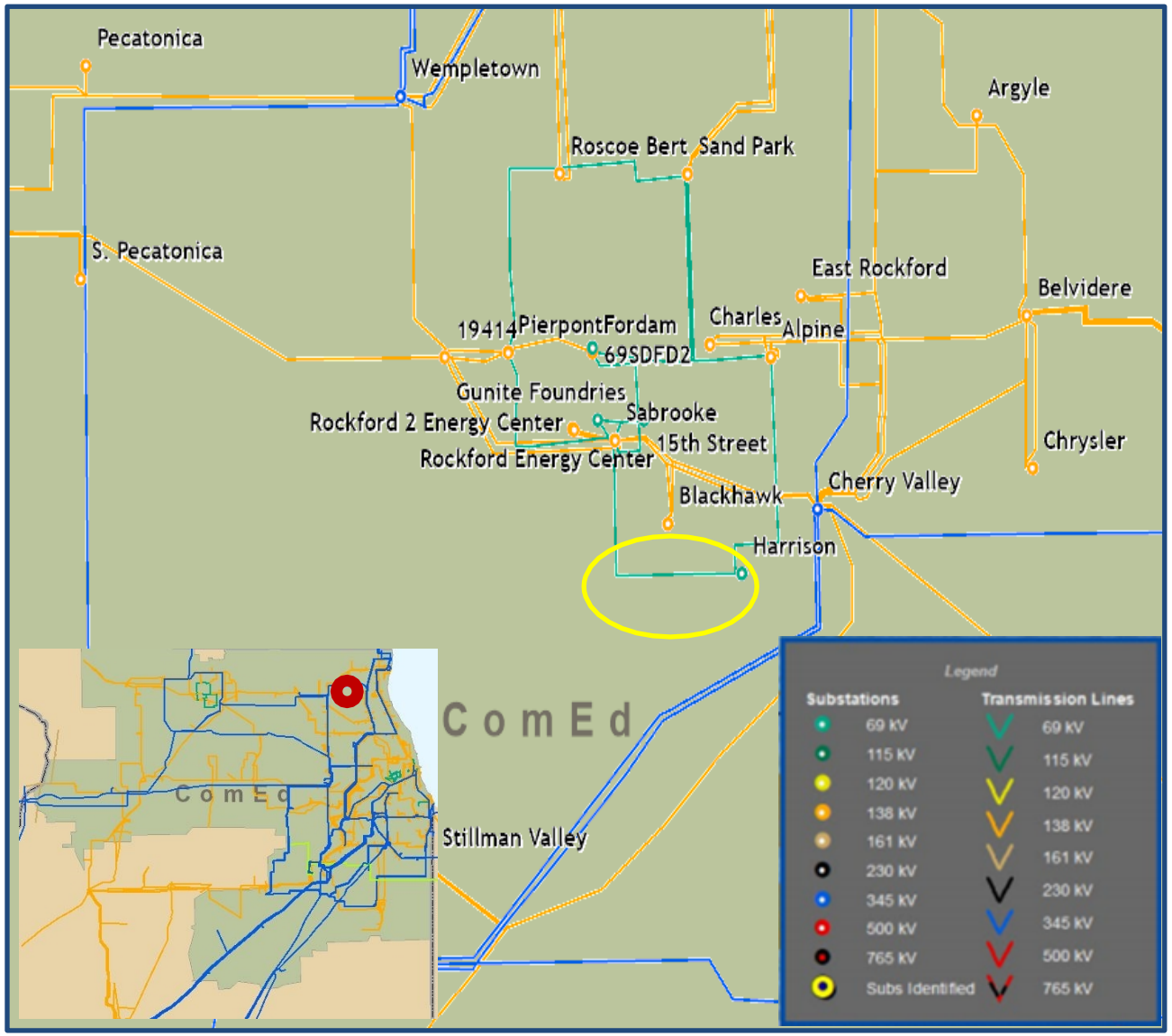
Customer Service

Specific Assumption Reference:

- New transmission customer interconnections or modification to an existing customer

Problem Statement:

New customer is looking for transmission service in the Rockford area. Initial loading is expected to be 200 MW in June 2028, 450 MW in June 2029 with an ultimate load of 600 MW in 2029.



ComEd Transmission Zone M-3 Process Customer in Rockford

Need Number: ComEd-2025-014

Process Stage: Solutions Meeting 2/3/2026

Proposed Solution:

- Cut into existing 345kV Cherry Valley to Byron line to a new Edson Road substation.
- Edson Road substation will be initially installed as a 5-345kV CB ring bus configuration, ultimately expandable to a break and a half configuration.
- Install 1-150 MVAR, 345kV capacitor banks at new Edson Road substation.
- New customer will be radially served by 2-345 kV lines 2 miles each from new Edson Road substation to a customer owned substation.

Estimated Transmission cost: $92M

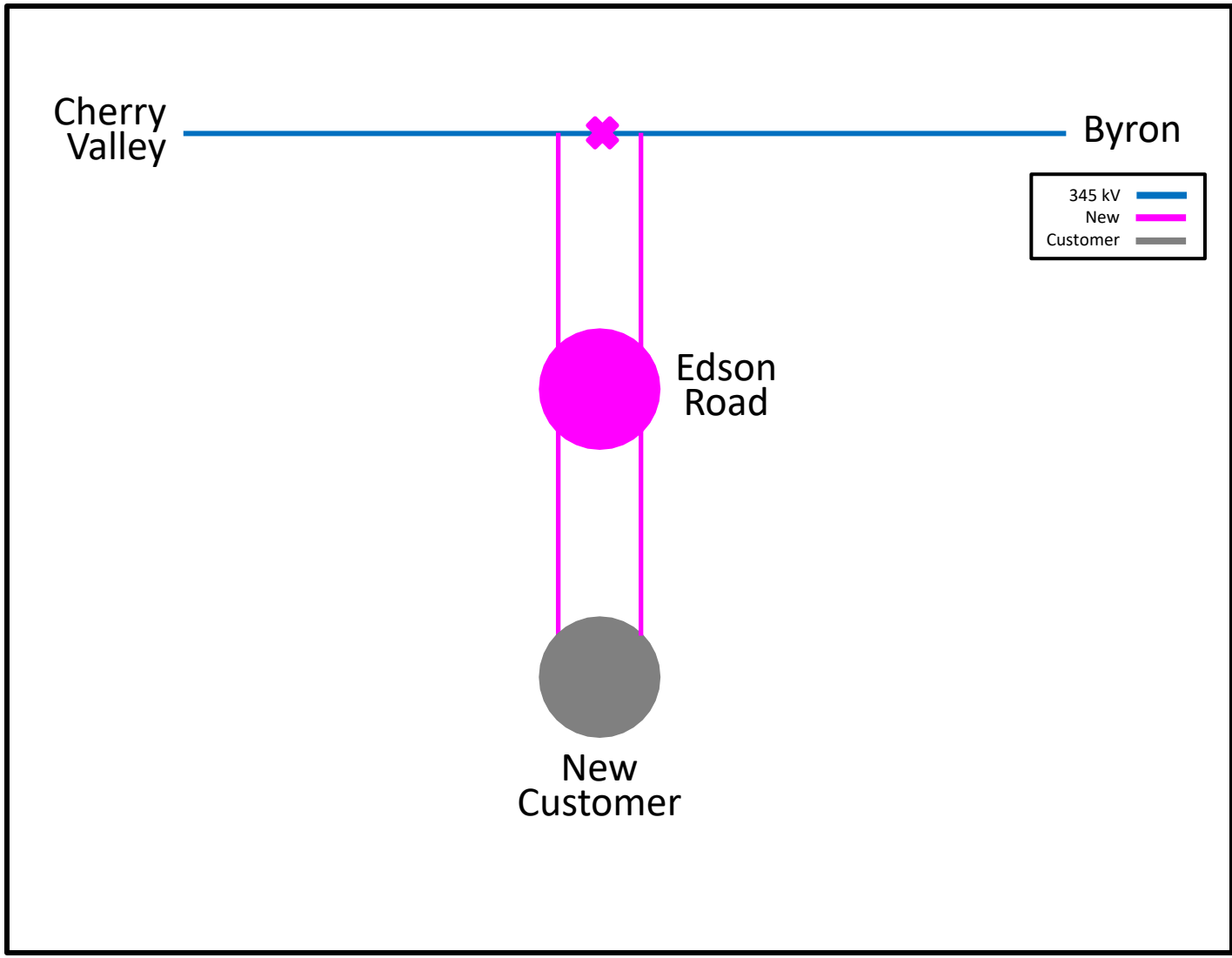
Alternatives Considered:

No feasible alternatives available

Projected In-Service: 1/1/2028

Project Status: Conceptual

Model: 2029 RTEP



ComEd Transmission Zone M-3 Process
Customer in Joliet

Need Number: ComEd-2025-016

Process Stage: Solutions Meeting 2/3/2026

Previously Presented: Needs Meeting 9/9/2025

Project Driver:

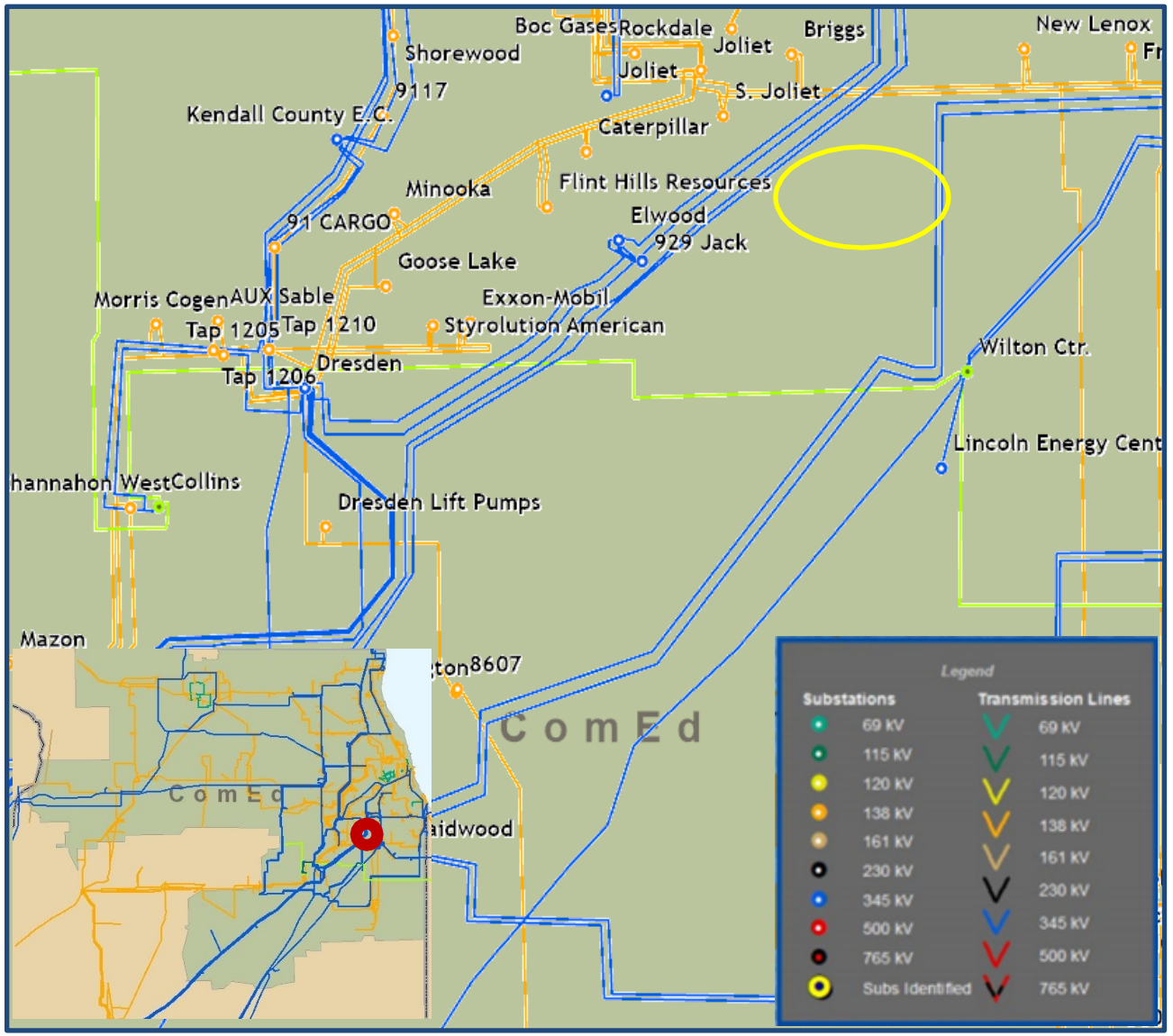
Customer Service

Specific Assumption Reference:

- New transmission customer interconnections or modification to an existing customer

Problem Statement:

New customer is looking for transmission service in the Joliet area. Initial loading is expected to be 225 MW in June 2029 with an ultimate load of 1,800 MW in 2033.



ComEd Transmission Zone M-3 Process
Customer in Joliet

Need Number: ComEd-2025-016

Process Stage: Solutions Meeting 2/3/2026

Proposed Solution:

- Cut into existing 345kV Goodings Grove – Elwood lines. Extend 4 lines 0.2 miles each to a new Rowell substation.
- Rowell substation will be initially installed as a 24-345 kV GIS CBs in a breaker and a half configuration.
- Install 2-150 MVAR, 345kV capacitor banks at new Rowell substation.
- Each new customer-owned substation will be radially served by two new approximately 0.5-mile 345 kV lines from Rowell substation.

Estimated Transmission cost: $269M

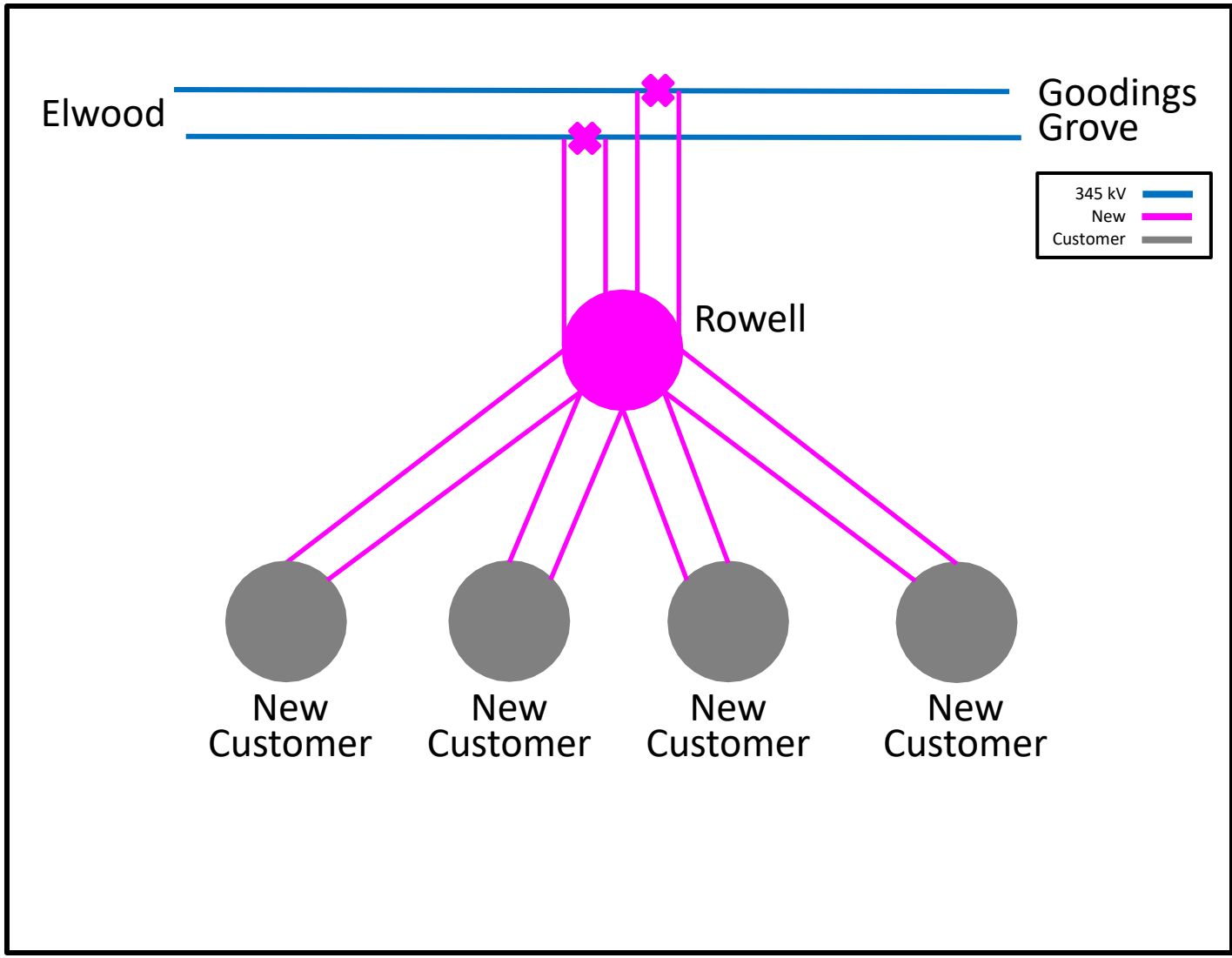
Alternatives Considered:

No feasible alternatives available

Projected In-Service: 7/1/2028

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

1/23/2026 – V1 – Original version posted to pjm.com