

SRRTEP - Western Committee ComEd Supplemental Projects

July 17, 2020

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-2020-010

Process Stage: Need Meeting July 17, 2020

Project Driver:

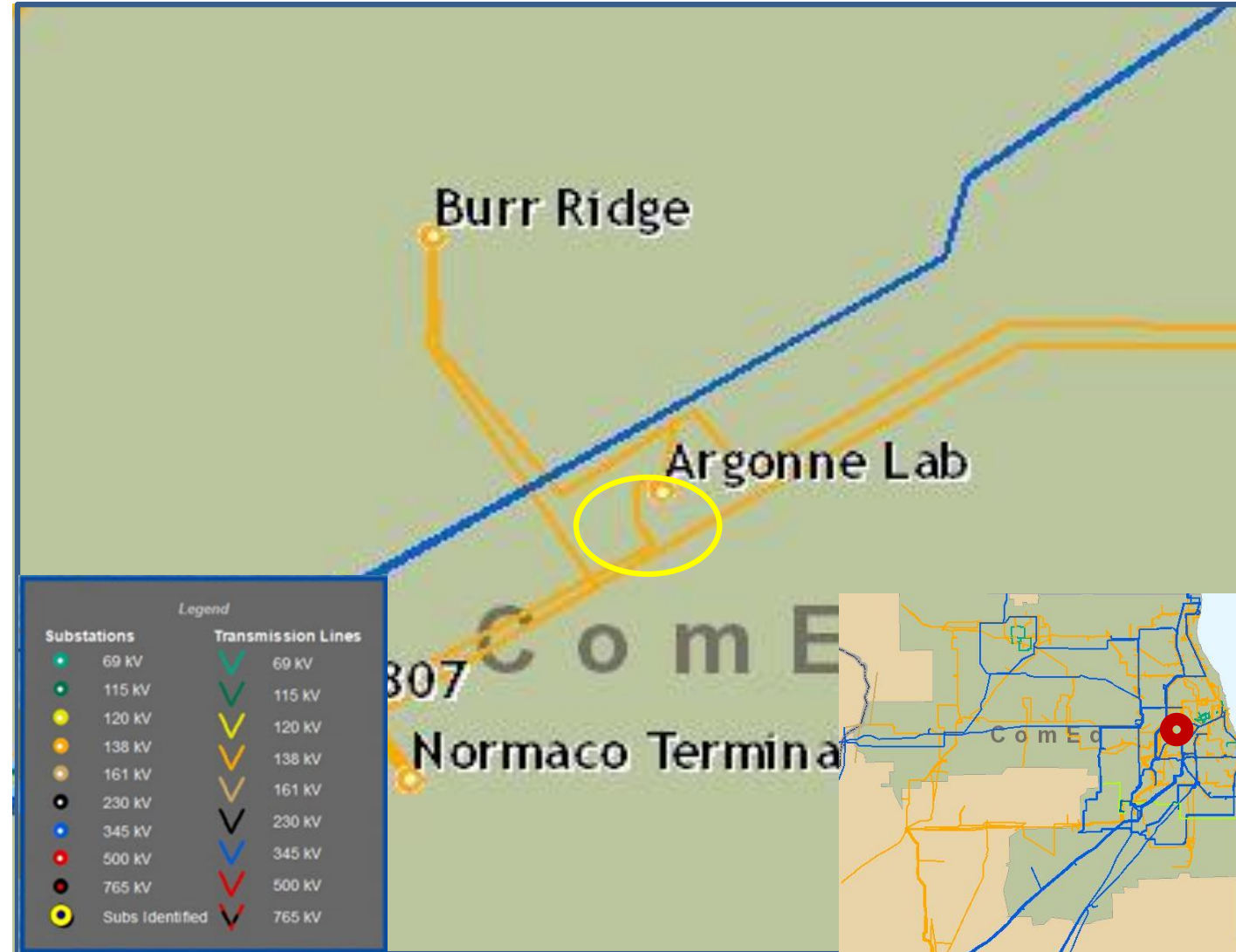
Customer Service

Specific Assumption Reference:

Modification to an existing customer

Problem Statement:

An existing customer has requested an additional 43 MW by 06/2022 with a total increase of 77 MW by the end of 2030.



Need Number: ComEd-2020-011

Process Stage: Need Meeting July 17, 2020

Project Driver:

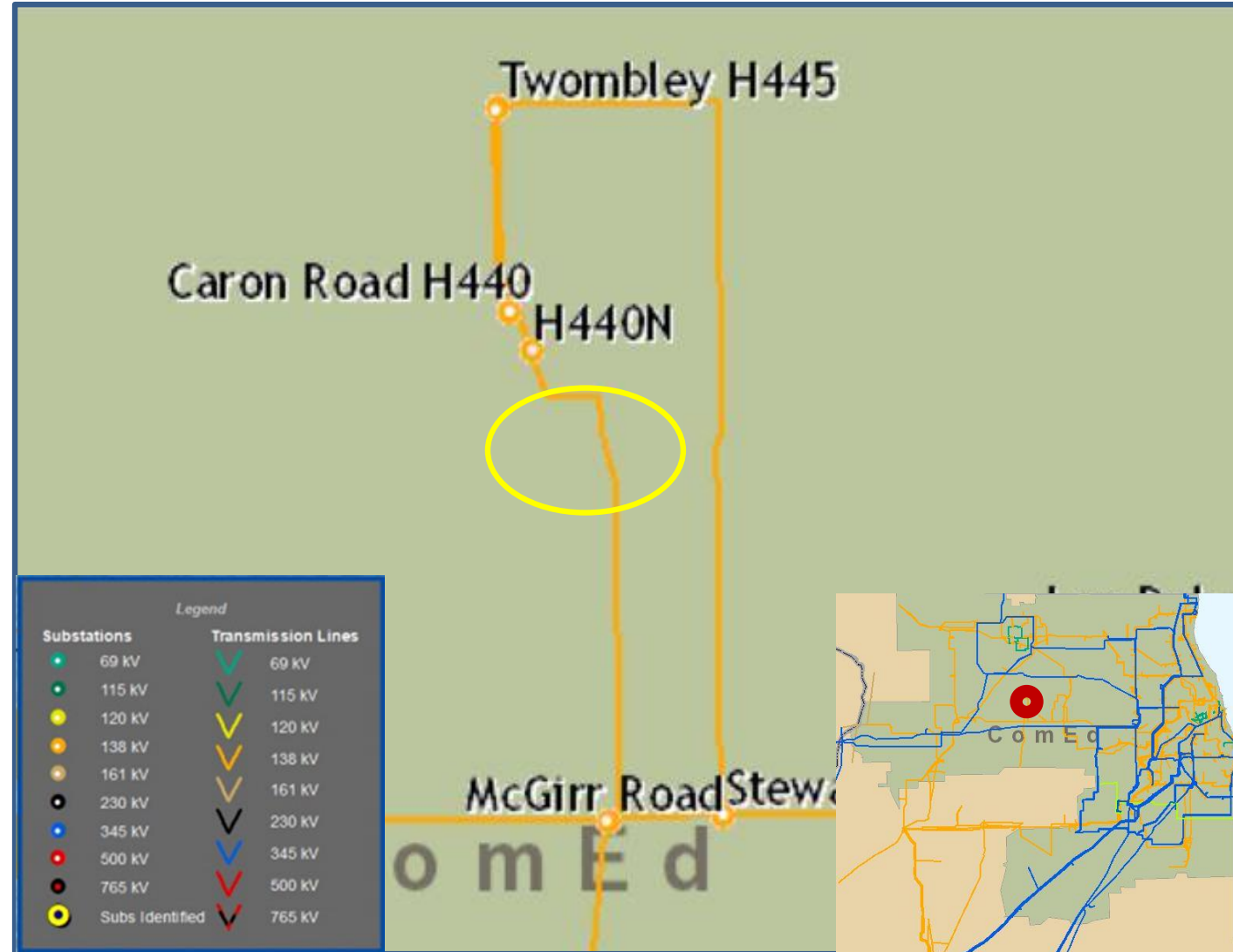
Customer Service

Specific Assumption Reference:

New transmission customer interconnection

Problem Statement:

Customer has requested new service by 12/2021 with a load of 20 MW.



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-2020-007

Process Stage: Solutions Meeting July 17, 2020

Previously Presented:

Need Meeting April 20, 2020

Project Driver:

Customer Service

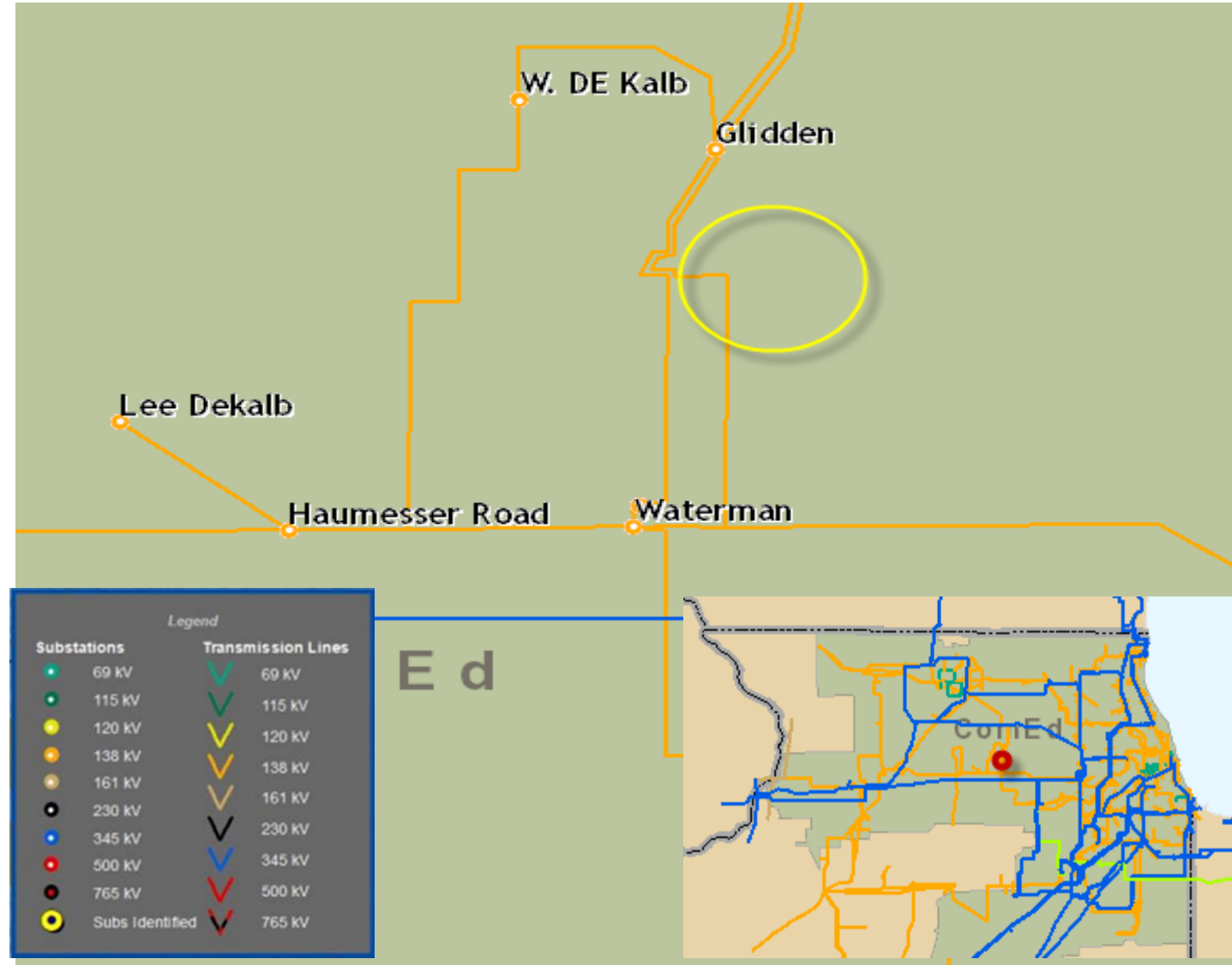
Specific Assumption Reference:

New transmission customer interconnection

Problem Statement:

New customer has requested service in the Dekalb area

- In service by 9/2021 with initial load < 5MW, growing to 200 MW by the end of 2026



Need Number: ComEd-2020-007

Process Stage: Solutions Meeting July 17, 2020

Proposed Solution:

- Cut into existing lines 11323 and 11106, Install new 138 kV breaker-and-a-half substation by 9/1/21
- Install two 138 kV 43.2 MVAR cap banks, 1st by 6/1/22, 2nd by 6/1/24

Estimated cost: \$45M

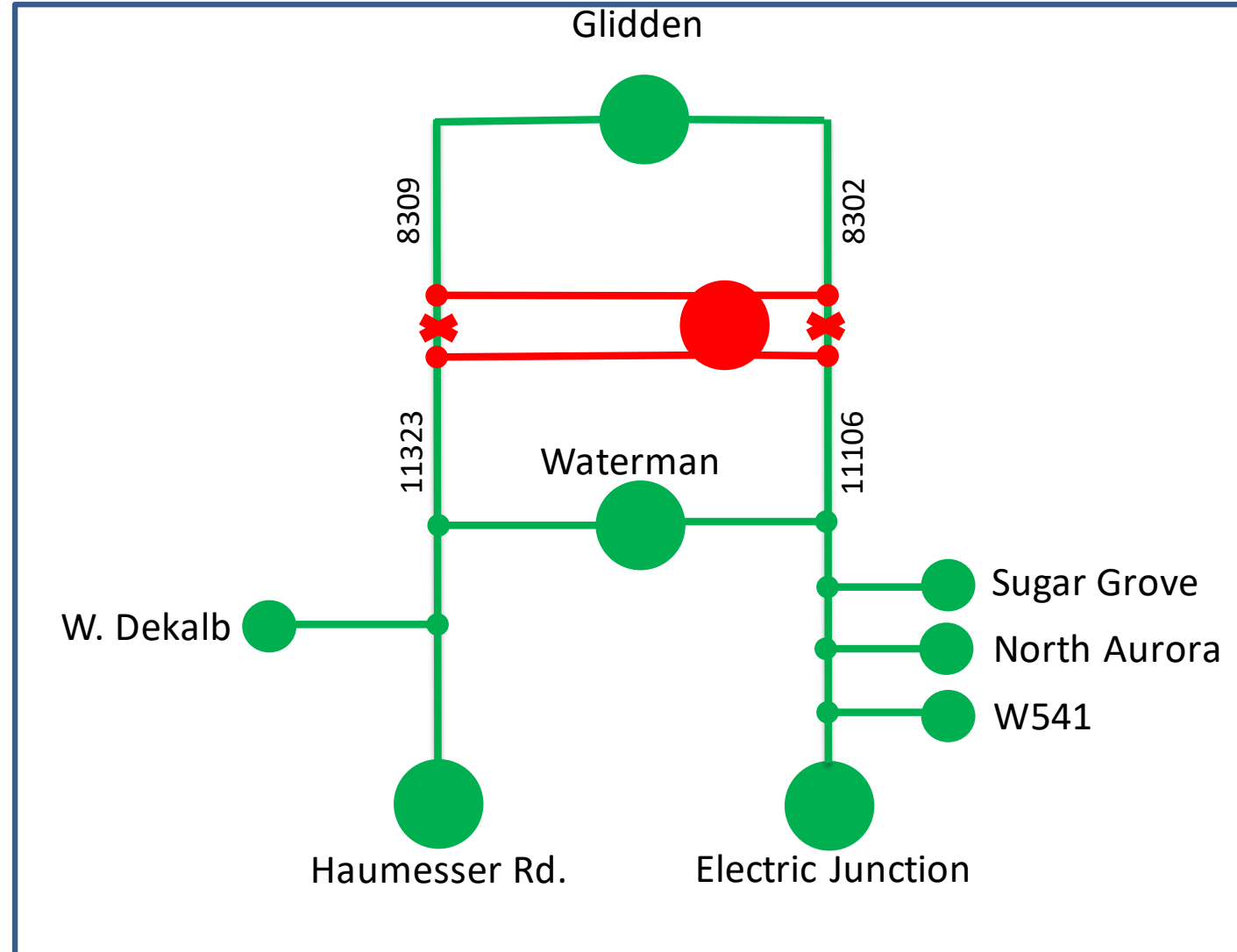
Alternatives Considered:

- Install new 138kV breaker-and-a-half substation with one 138 kV 43.2 MVAR cap bank. Install 138 kV line from Cherry Valley to Glidden. Estimated cost: \$86M

Projected In-Service: 9/1/21

Project Status: Scoping

Model: 2025 RTEP



RMU/ComEd Transmission Zone: Supplemental Twombley Road –West DeKalb-Glidden line

Project Cancellation: S1533.1 and S1533.2

Previously Presented by RMU: 3/9/2018, 3/27/2018 SR RTEP

Project Description:

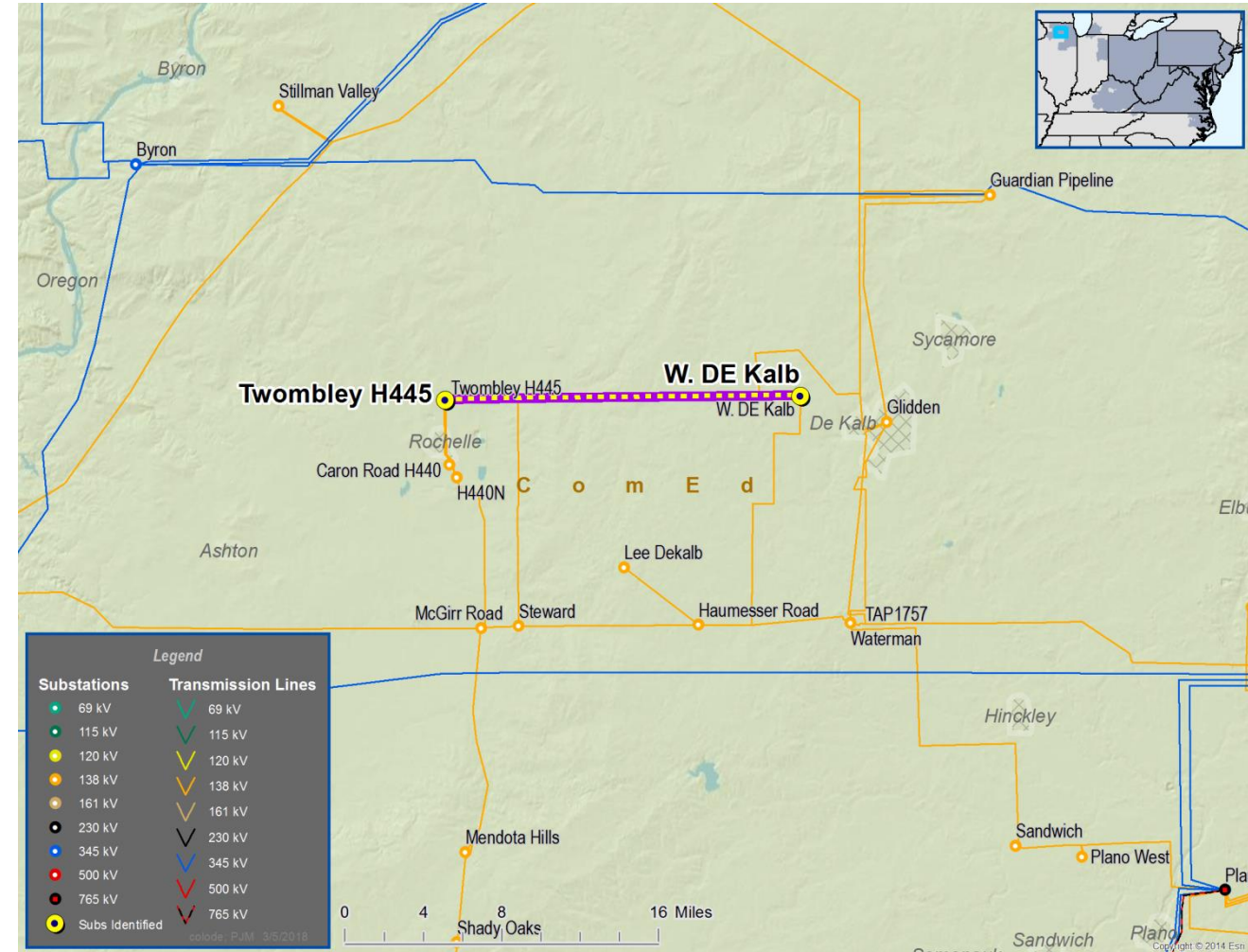
Construct a new line from the Twombley Road substation to a tap of the West DeKalb to Glidden 138 kV line just outside the West DeKalb 138 kV substation. **(S1533.1)**

ComEd side work at West DeKalb to accommodate the Connection. **(S1533.2)**

Estimated Cost: \$18M (\$17M RMU & \$1M ComEd)

Projected In-service: 10/1/2021

Reason for Cancellation: This project was originally proposed by Rochelle Municipal Utilities. On June 9, 2020, ComEd acquired the Rochelle transmission system. ComEd has elected not to proceed with this project at this time.



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

7/7/2020 – V1 – Original version posted to pjm.com