



# Transmission Expansion Advisory Committee ComEd Supplemental Projects

February 6, 2024

# 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-2024-001

**Process Stage:**

Solution Meeting 2/6/2024

**Previously Presented:**

Need Meeting 1/9/2024

**Project Driver:**

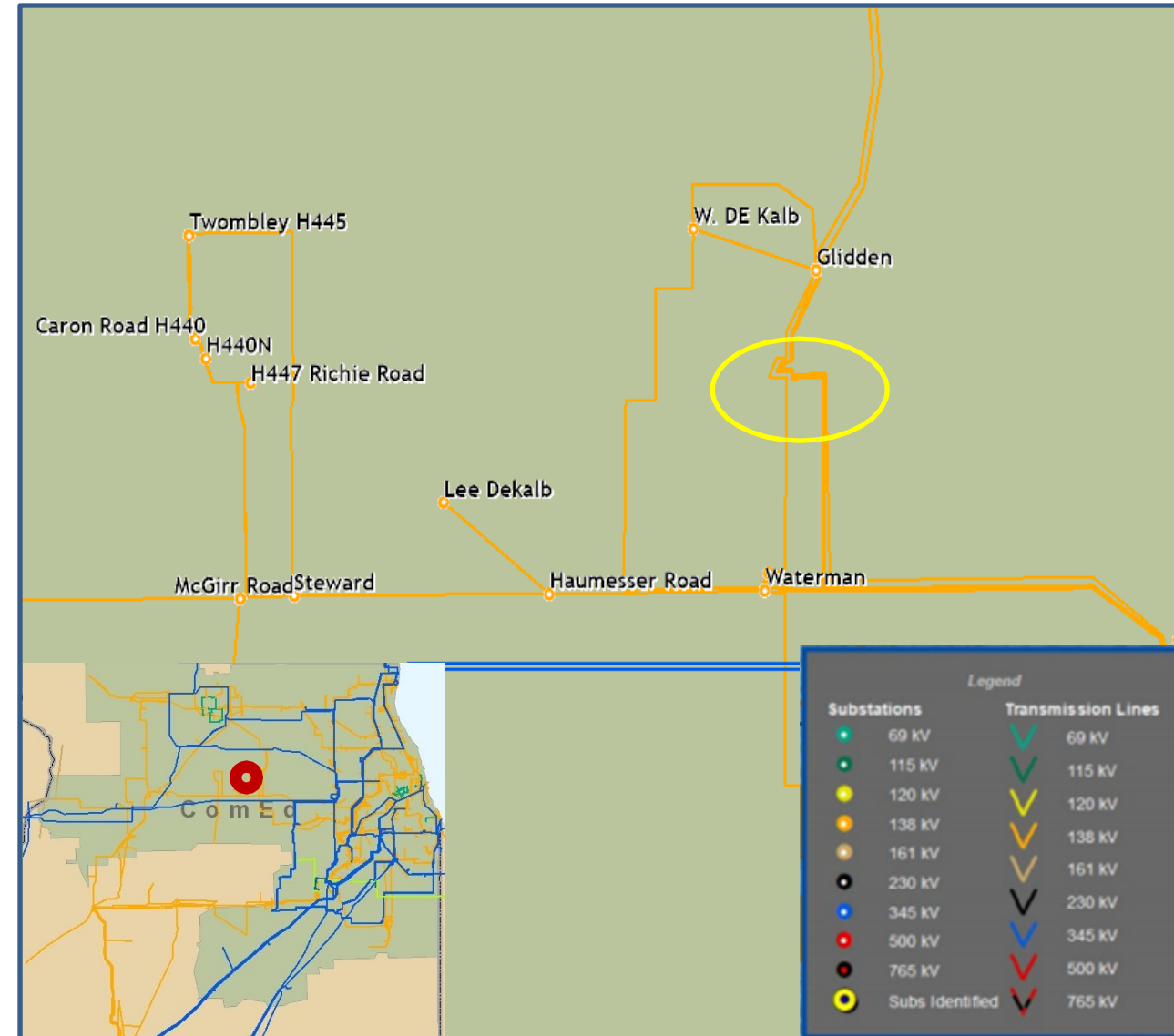
Customer Service

**Specific Assumption Reference:**

- New transmission customer interconnections or modification to an existing customer

**Problem Statement:**

- A new customer is requesting transmission service in the Dekalb area. Initial loading is expected to be 53 MW in June 2027, 160 MW in 2028, with an ultimate load of 210 MW.
- ComEd Distribution Capacity Planning requested additional capacity in the Dekalb area to accommodate load growth of 15 MW. Existing distribution facilities do not have enough capacity to accommodate this load growth.



**Need Number:** ComEd-2024-001

**Process Stage:** Solutions Meeting 2/6/2024

**Proposed Solution:**

- Cut into existing 345kV line 15502 and extend 2 lines 6 miles each to a new Keslinger substation 345 kV breaker-and-a-half bus by 12/31/2026
- Provide four radial 345kV leads to customer owned transformers
- Cut into existing 138 kV lines 8309 and 11307 and extend 4 lines 0.7 miles to a new Keslinger substation 138 kV breaker-and-a-half bus by 12/31/2027
- Connect two new 138/34 kV distribution transformers at Keslinger.
- Install 2 new 345/138 kV transformers at Keslinger

Estimated transmission cost: \$175M

**Alternatives Considered:**

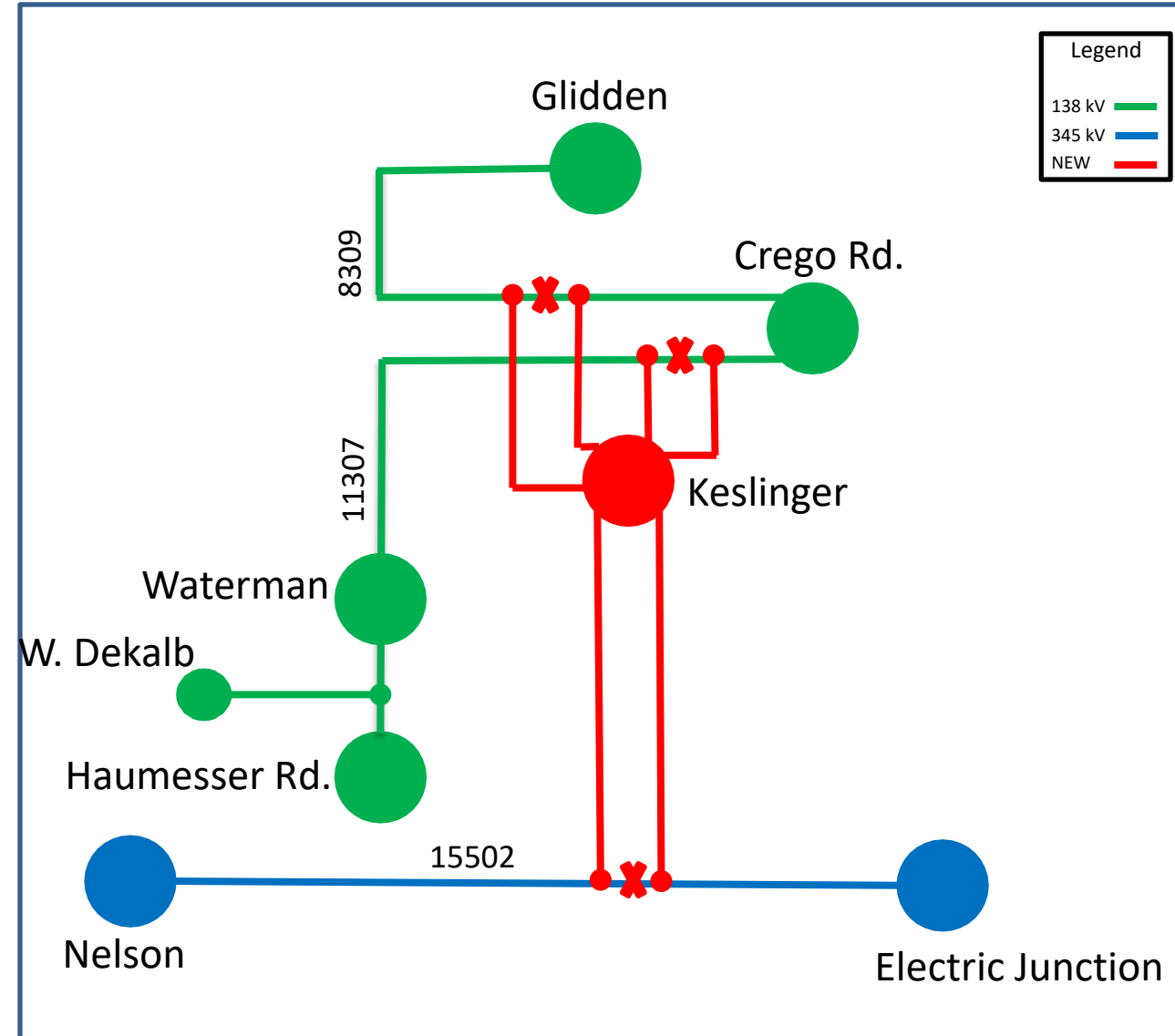
Serving the 210 MW customer from the 138kV system was evaluated. This alternative would be more disruptive to local communities, is not capable of meeting anticipated future growth in the area, and is a higher overall cost. This solution would include the need for a new 345/138 kV substation, two 345/138 transformers, the 138 kV Keslinger substation, and over 30 miles of new 138 kV transmission, with over 15 miles of that being greenfield.

Estimated transmission cost: \$245M

**Projected In-Service:** 12/31/27

**Project Status:** Conceptual

**Model:** 2028 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

1/26/2023– V1 – Original version posted to pjm.com