



SRRTEP - Western Committee ComEd Supplemental Projects

April 22, 2022

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-2022-003

Process Stage: Need Meeting 4/22/2022

Project Driver:

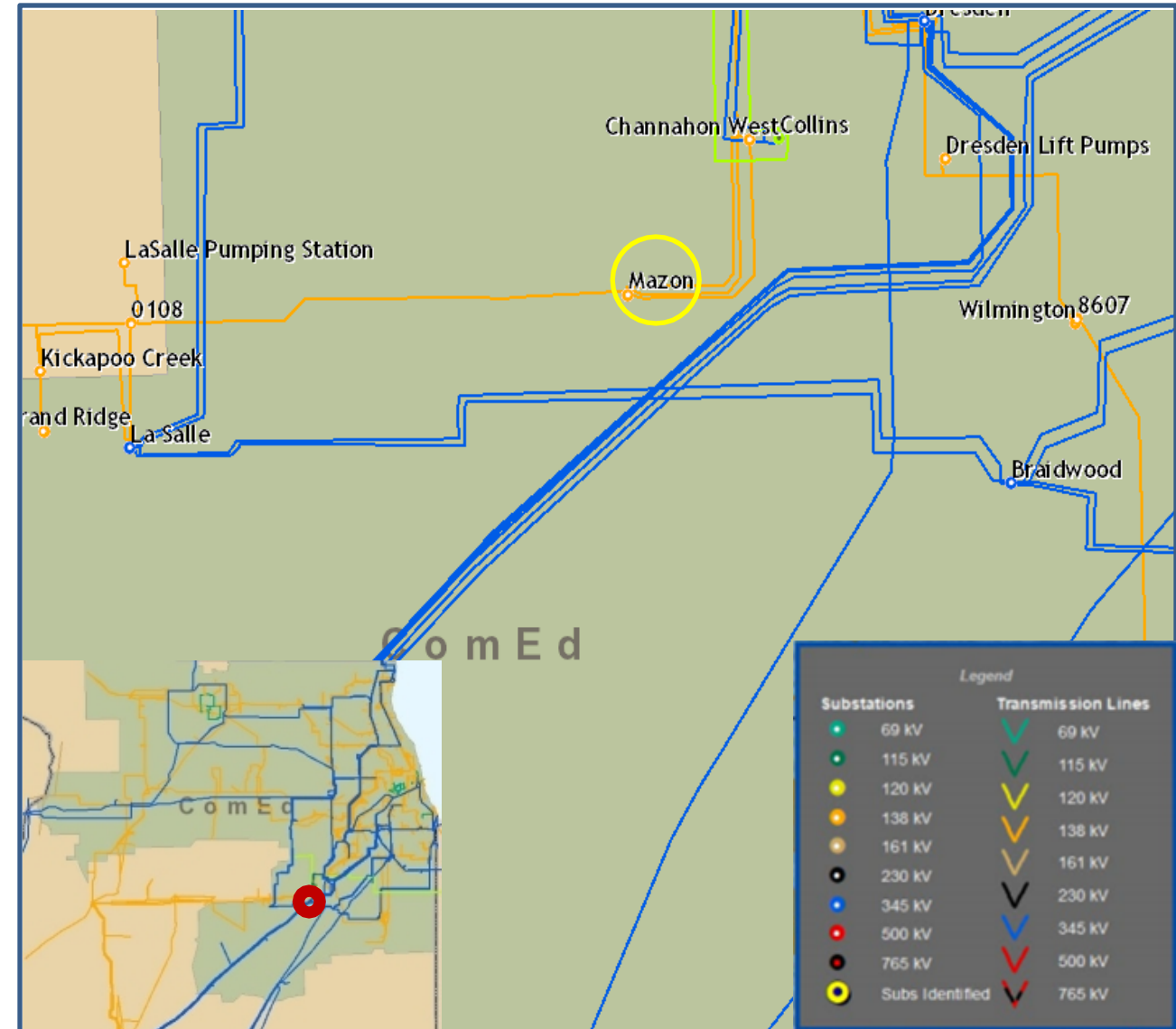
Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

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

Problem Statement:

Circuit breaker 7713/7719 at Mazon substation was manufactured in 1951 and is 71 years old. It is in deteriorating condition, has lack of replacement parts, and elevated maintenance cost.



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-2022-002

Process Stage: Solutions Meeting 4/22/2022

Previously Presented: Need Meeting 3/18/2022

Project Driver:

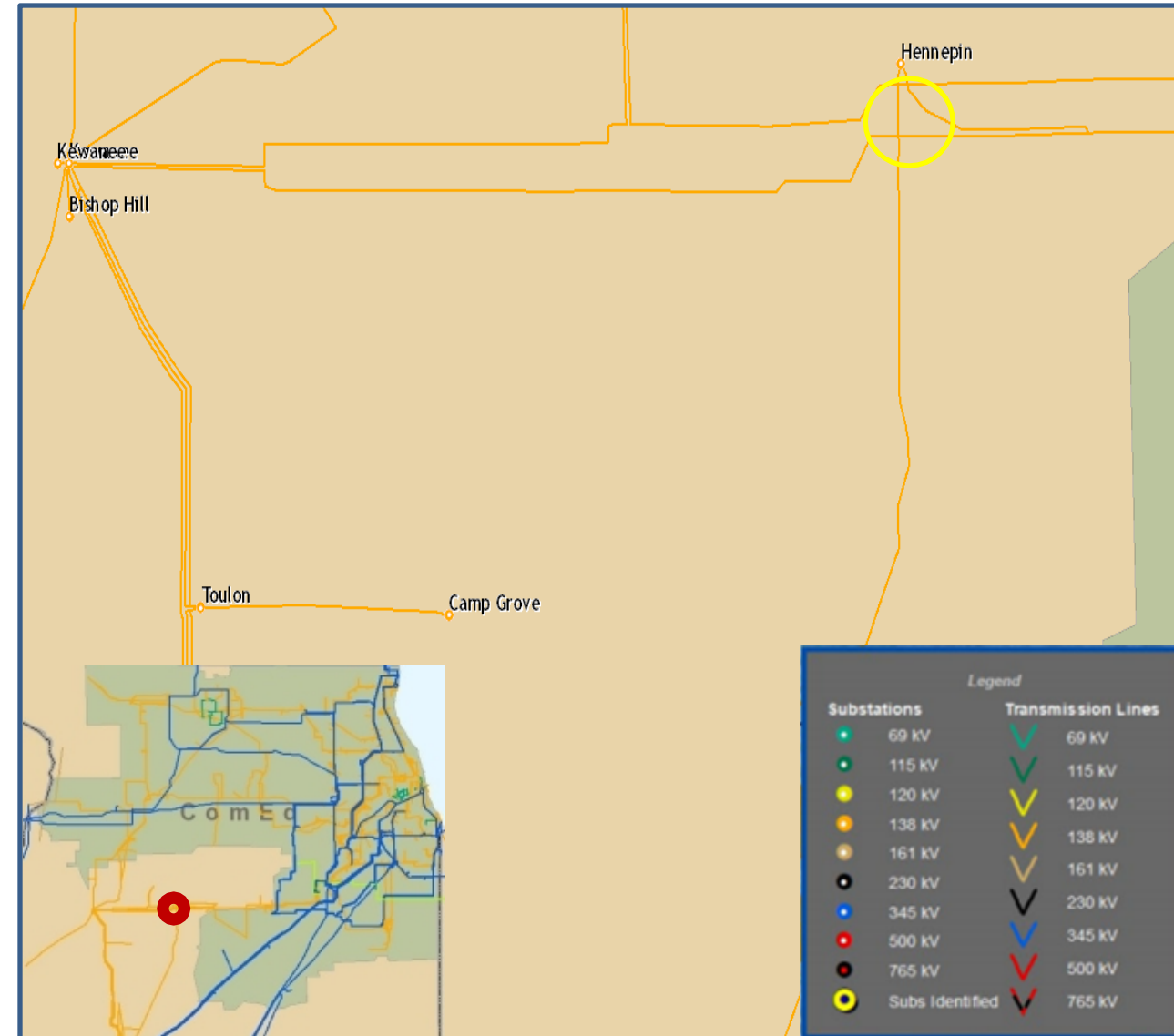
Operational Flexibility and Efficiency

Specific Assumption Reference:

- Enhancing system functionality, flexibility, visibility, or operability

Problem Statement:

Ameren is replacing its Hennepin substation with a new station named Putnam in 2023. Hennepin is currently tied to ComEd stations Kewanee and Streator with a three-terminal 138 kV line.



Need Number: ComEd-2022-002

Process Stage: Solutions Meeting 4/22/22

Proposed Solution:

New Ameren station Putnam will be a 138 kV breaker and a half design. The station will be cut into the ComEd Kewanee to Streator line. The existing ComEd connection to Ameren's Hennepin station will be removed, eliminating the three-terminal line.

Estimated Cost: \$ 5.2 M

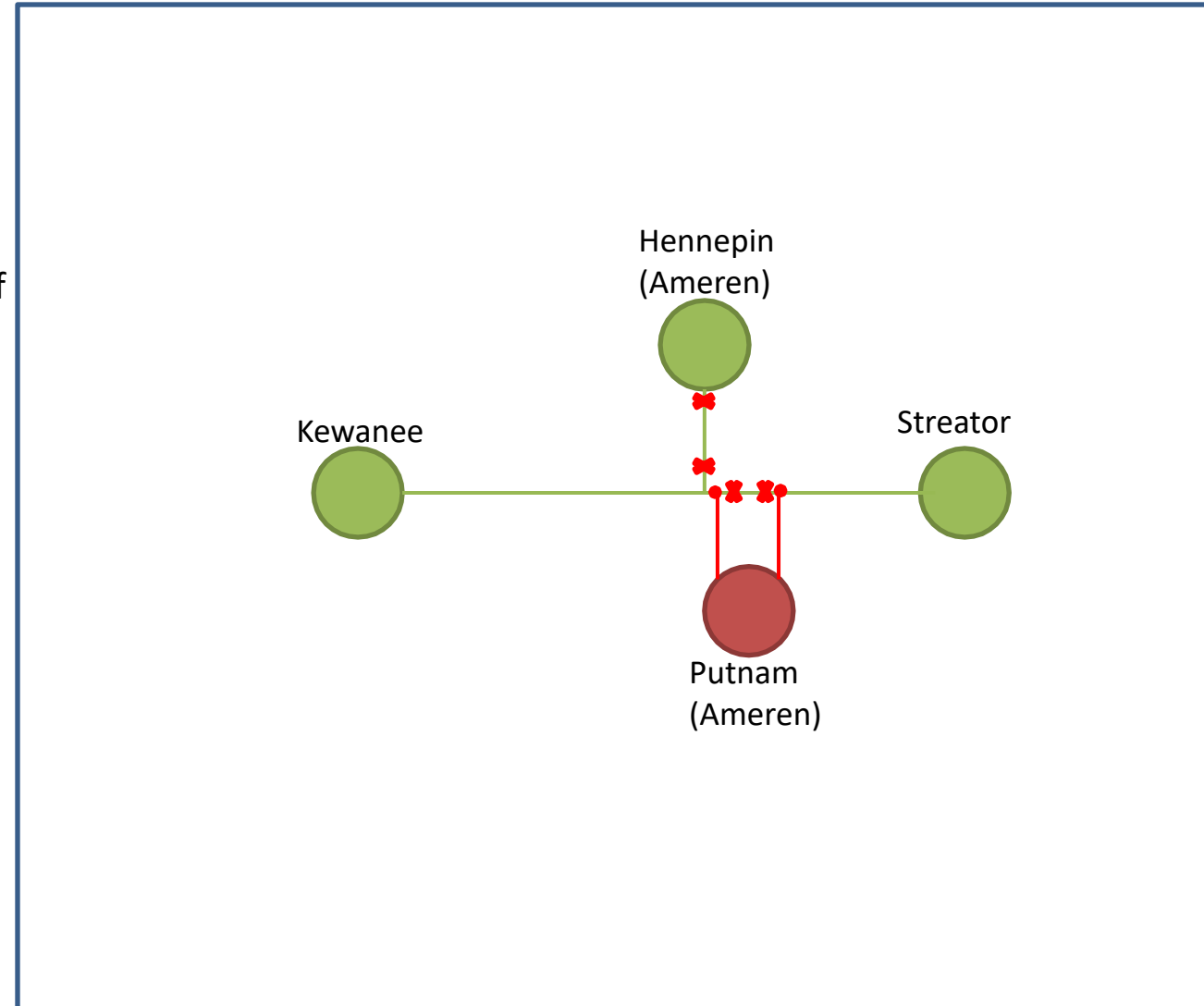
Alternatives Considered:

1. Single line tap was considered but does not address three-terminal line.

Projected In-Service: 12/1/2023

Project Status: Conceptual

Model: RTEP 2026



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

4/13/2022 – V1 – Original version posted to pjm.com