

# TEAC Committee ComEd Supplemental Projects

July 7, 2020

# 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-2020-008

**Process Stage:** Solutions Meeting July 7, 2020

**Previously Presented:** Need Meeting May 12, 2020

**Project Drivers:**

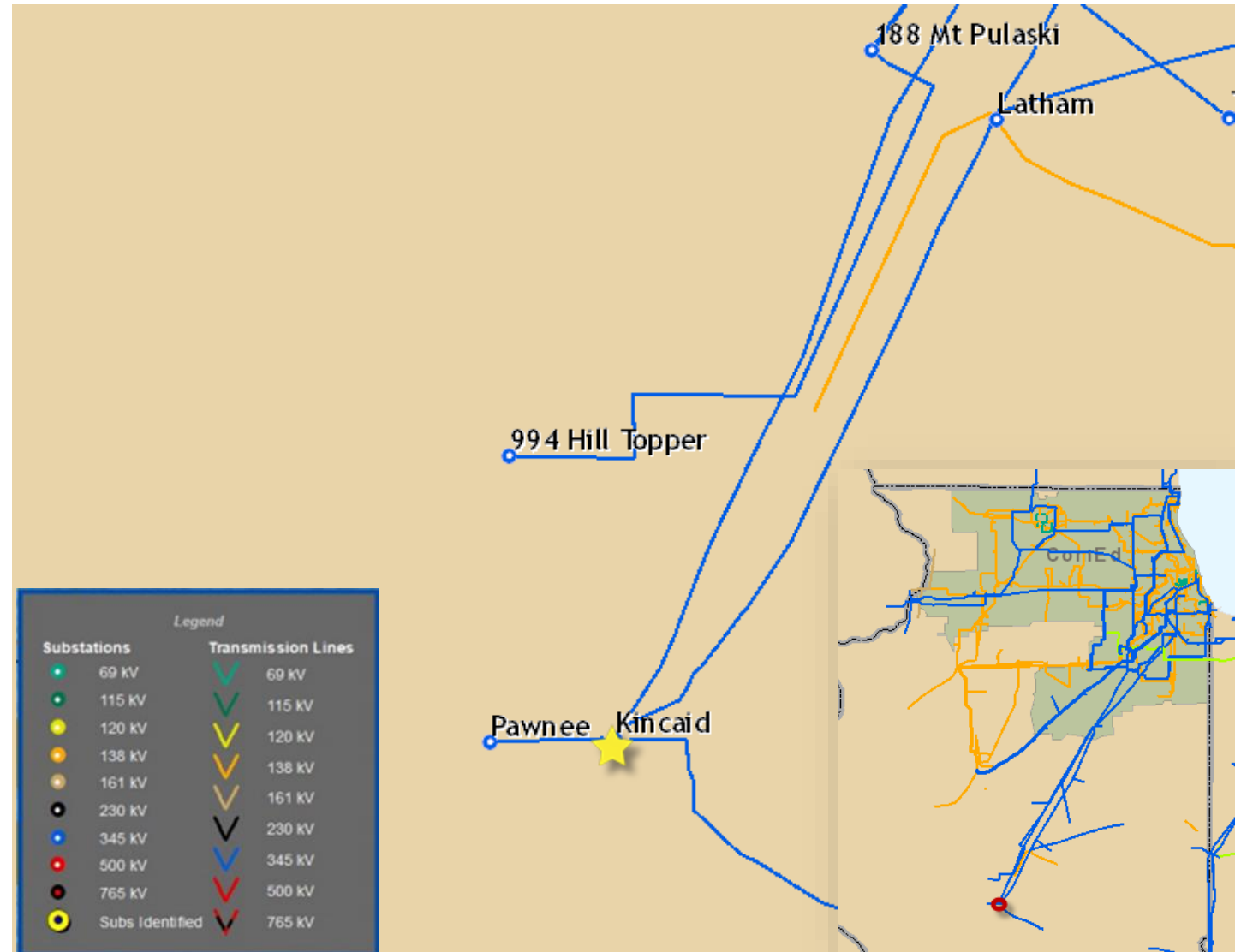
- Operational Flexibility and Efficiency
- Equipment Material Condition, Performance, and Risk

**Specific Assumption References:**

- Removal of existing SPS/RAS/LPS
- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions

**Problem Statement:**

To prevent first swing and/or oscillatory instability of either unit, a multi-phase fault high-speed sectionalizing scheme and a multiple line outage scheme are in place at Kincaid. 345 kV circuit breakers are all 1966 vintage and have had increased maintenance required over the past several years.



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**Proposed Solution:**

- Replace five 345 kV oil circuit breakers with 2-cycle IPO SF6 circuit breakers
- Change timer settings for breaker failure relays
- Remove Kincaid SPS

Expected ratings changes:

L2102 Kincaid – Latham SN from 1364 to 1434 MVA

L2106 Kincaid – Austin WN from 1486 to 1507 MVA

Estimated cost: \$12.8M

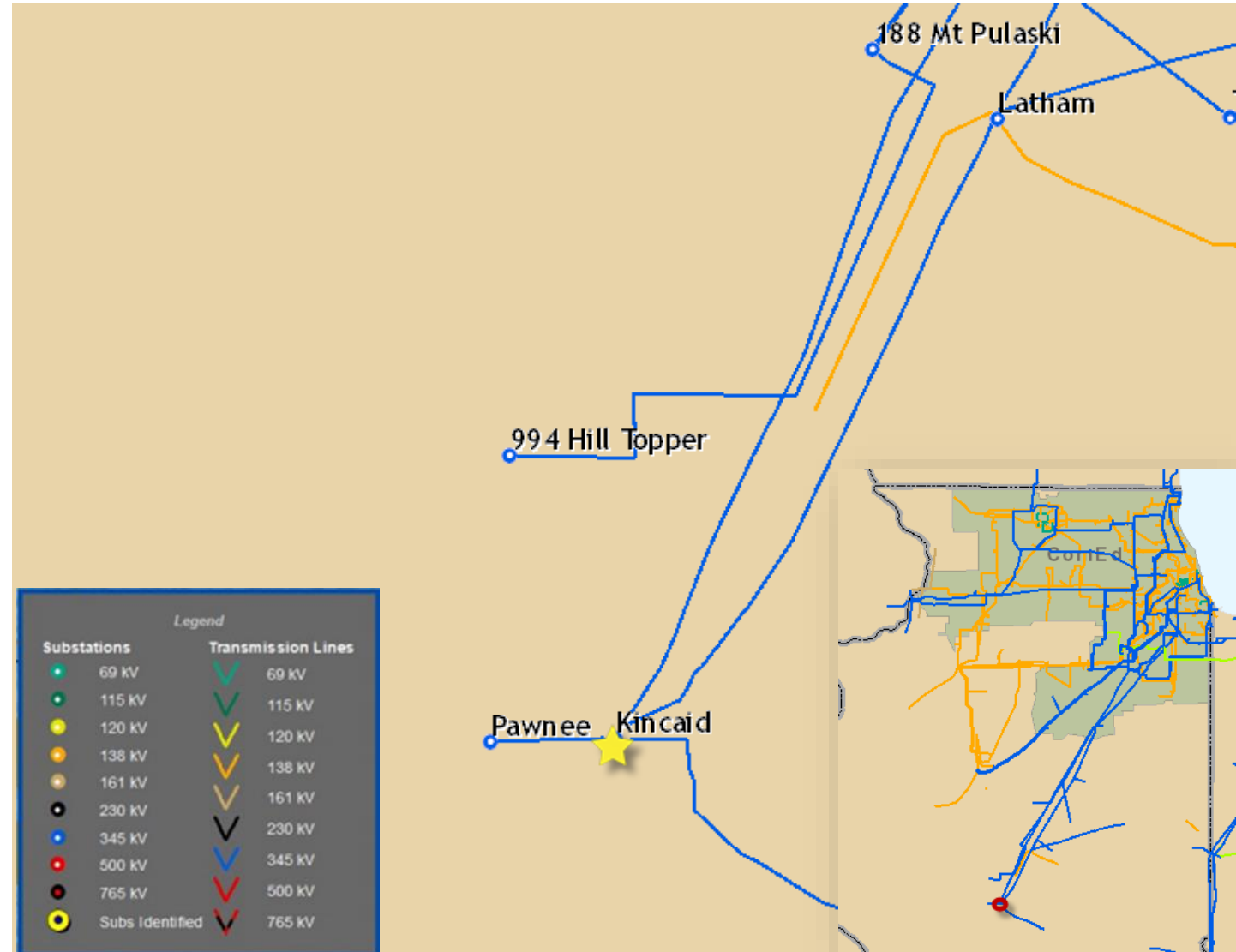
**Alternatives Considered:**

1. Do nothing – risk of equipment failure and SPS remains

**Projected In-Service:** 12/31/2024

**Project Status:** Conceptual

**Model:** 2025 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

6/25/2020 – V1 – Original version posted to [pjm.com](http://pjm.com)