

# SRRTEP - Western Committee EKPC Supplemental Projects

April 11, 2025

# Solution

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

## EKPC Transmission Zone M-3 Process Cynthiana, KY/Renaker, KY

**Need Number:** EKPC-2025-002

**Process Stage:** Solution Meeting SRRTEP-W - 04/11/2025

**Previously Presented:** Need Meeting 03/14/2025

**Project Driver:** Equipment Condition/Performance/Risk

**Specific Assumption References:**

EKPC Assumptions Presentation Slide 13

### Problem Statement:

The EKPC reliability team has been working to identify transmission lines sections, with single wood pole structures and 556.5 ACSR wire or larger that are known to have structural design issues. Most of the structures on these lines are believed to be over 100% capacity if the structure was new, based on EKPC current design standards. Many of the lines have been re-conducted with larger wire and very little structure design was performed at the time of the re-conductor.

The 9.0 mile, Renaker-Cynthiana Junction 69 KV line sections has been identified from the above to be addressed. Alternatives will be developed to address these structural loading concerns. This line was originally constructed in 1965 and was re-conducted with a larger conductor in 1992, leaving much of the 1965 vintage structures in service.





## EKPC Transmission Zone M-3 Process Cynthiana, KY/Renaker, KY

**Need number(s):** EKPC-2025-002

**Process Stage:** Solution Meeting SRRTEP-W - 04/11/2025

### Proposed Solution:

Rebuild the Renaker-3M-Cynthiana Junction 69 kV line sections.

**Transmission Cost Estimate:** \$8.9 M

### Alternatives Considered:

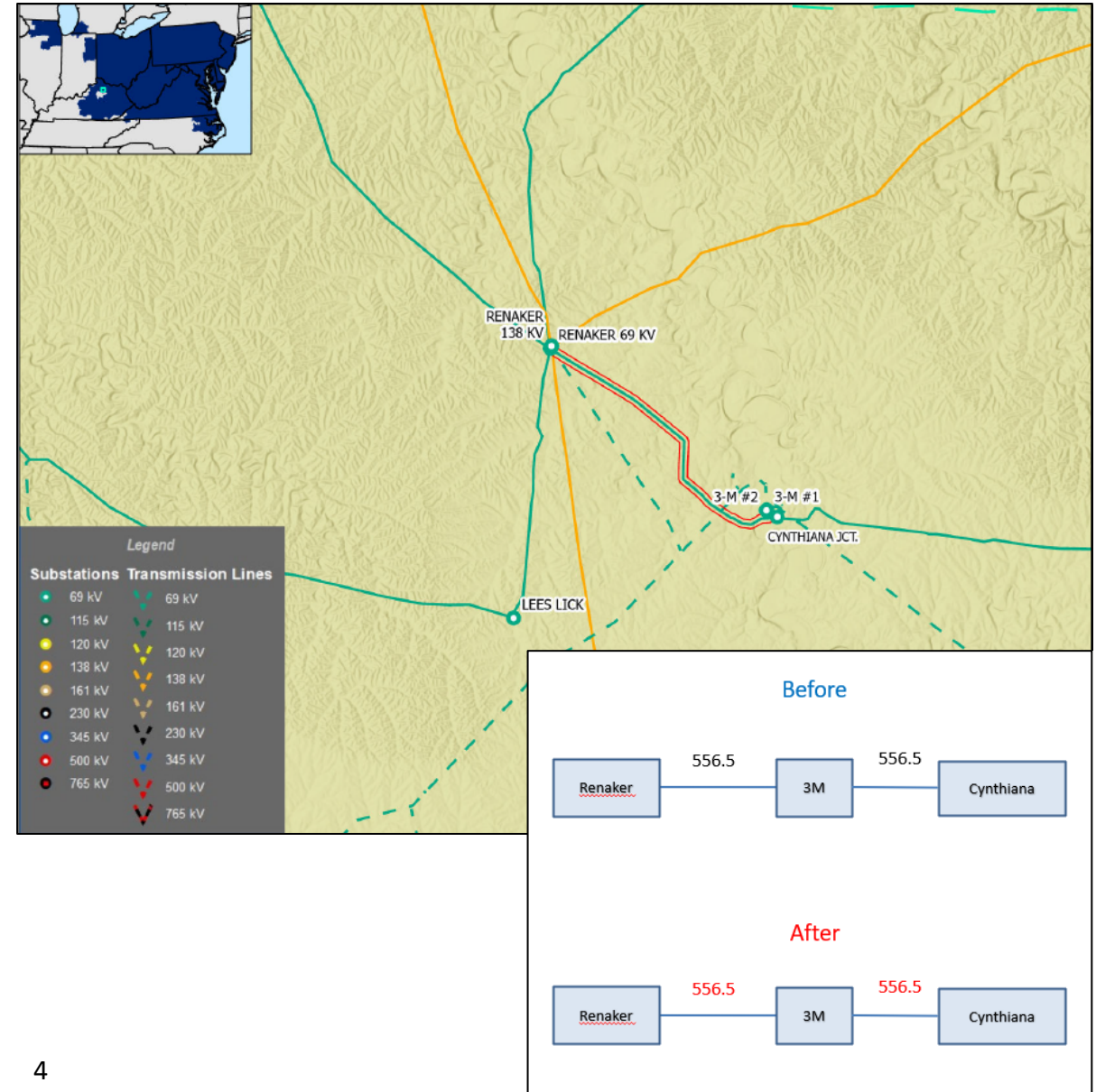
Alt 1: Retire Renaker-3M, rebuild 3M-Cynthiana J using 556.5 ACSR.

Alt 2: Retire Renaker-3M, build a KU-owned breaker station at KU's EK Cynthiana T and an EKPC-owned breaker station at Cynthiana Junction, rebuild 3M-Cynthiana J using 556.5 ACSR.

**Projected In-Service:** 06/30/2026

**Project Status:** Engineering

**Model:** N/A



# 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

4/1/2025 – V1 – Original version posted to pjm.com