

SRRTEP Committee: Western EKPC Supplemental Projects

April 21, 2023

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

EKPC Transmission Zone M-3 Process Penn area

Need Number: EKPC-2023-001

Process Stage: Solutions Meeting – April 21, 2023

Previously Presented:

Need Meeting – March 17, 2023

Supplemental Project Driver:

Operational Flexibility and Efficiency; Customer Service

Specific Assumption Reference:

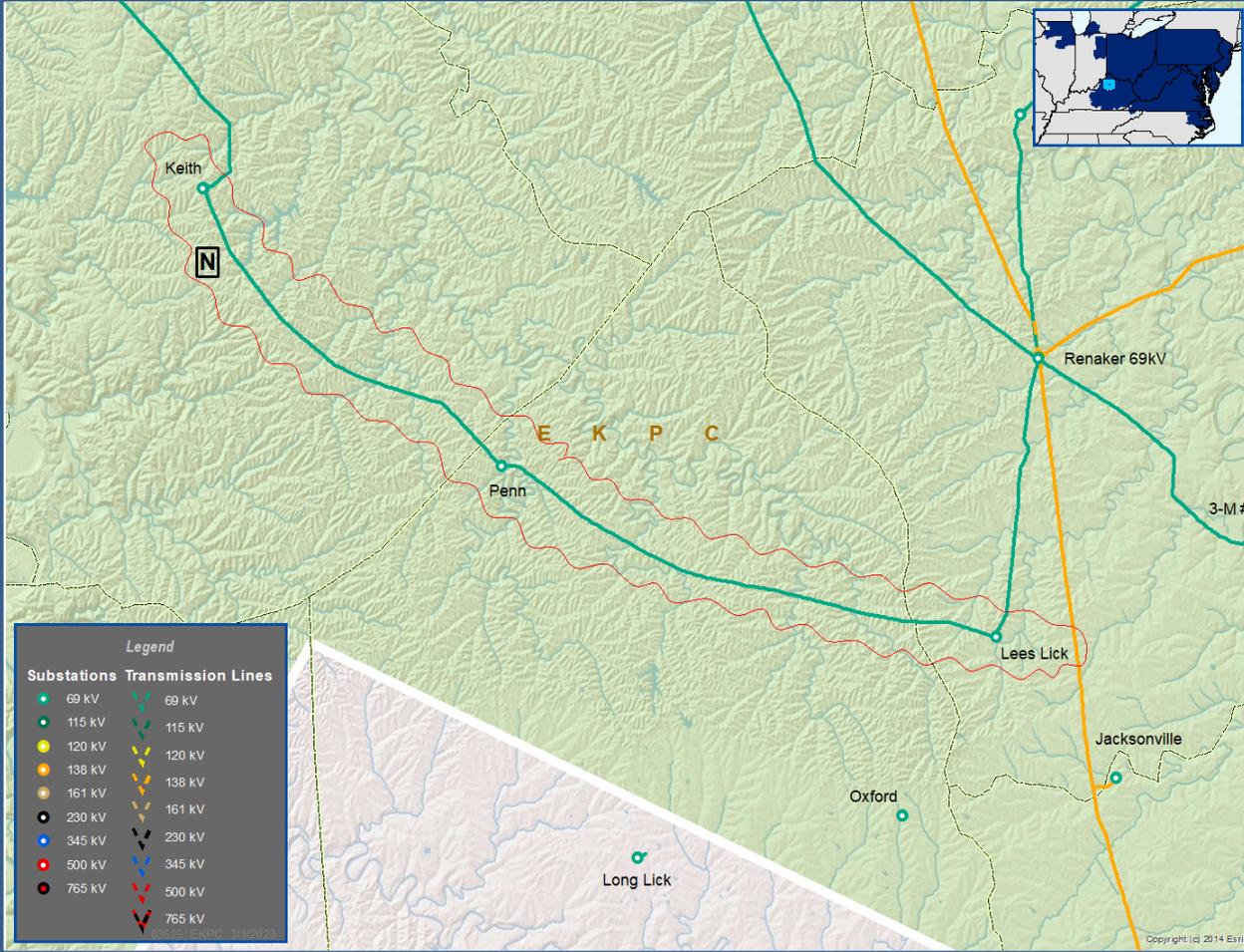
EKPC Assumptions Presentation Slides 14 & 15

Problem Statement:

During real time system operations, closing the normally open Keith-Penn 69 KV line section is utilized under various conditions. However, doing so creates a three terminal line section which causes system protection concerns. An internal EKPC study performed in 2017, showed the need for this line section to be operated normally closed under numerous N-1-1 conditions.

EKPC is currently rebuilding the Penn distribution substation due to aging condition issues.

Model: N/A



EKPC Transmission Zone M-3 Process Penn Area

Need Number: EKPC-2023-001

Process Stage: Solutions Meeting – April 21, 2023

Proposed Solution:

Install 3, 69 KV breakers and associated equipment at the Penn distribution substation. Operate the Keith-Penn 69 KV line section as normally closed.

Transmission Cost: \$3.7M

Distribution Cost: \$0.0M

Ancillary Benefits:

- None

Alternatives Considered:

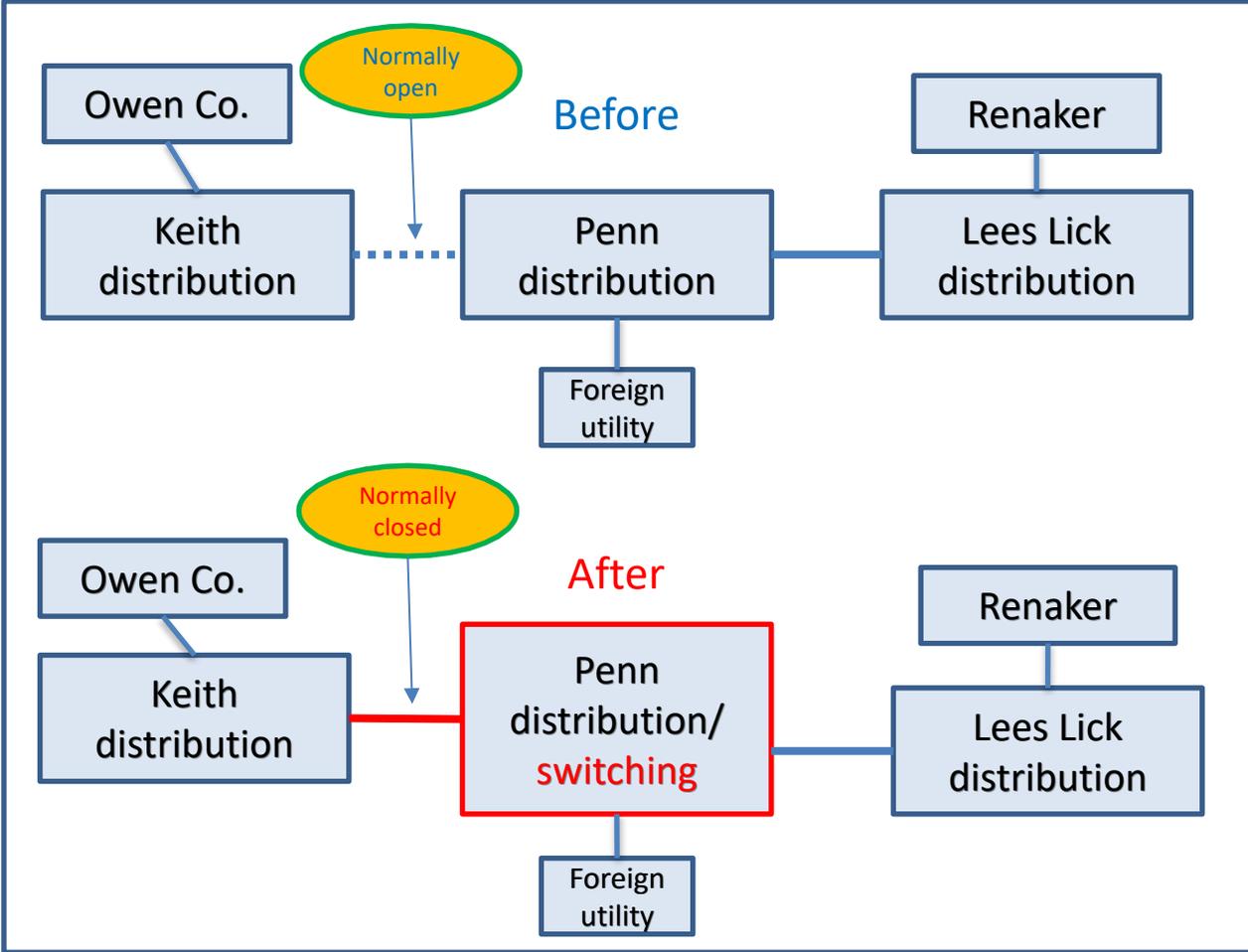
- Rebuild the Penn distribution substation and continue to operate the normally open switch associated with the Keith-Penn 69 KV line as needed.

Transmission Cost: \$0.0M

Projected In-Service: 5/1/2023

Project Status: Under construction

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

4/11/2022 – V1 – Original version posted to pjm.com