Sub Regional RTEP Committee
PJM Mid-Atlantic
PECO

April 26, 2019

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: PE-2019-0003, 0004, 0005

Process Stage: Solutions Meeting 04/26/2019

Previously Presented: Needs 02/22/19 and 03/22/19.

Supplemental Project Drivers:

Equipment, Material Condition, Performance and Risk **/** Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions

Supplemental Project Driver: Customer Service

Specific Assumption References:

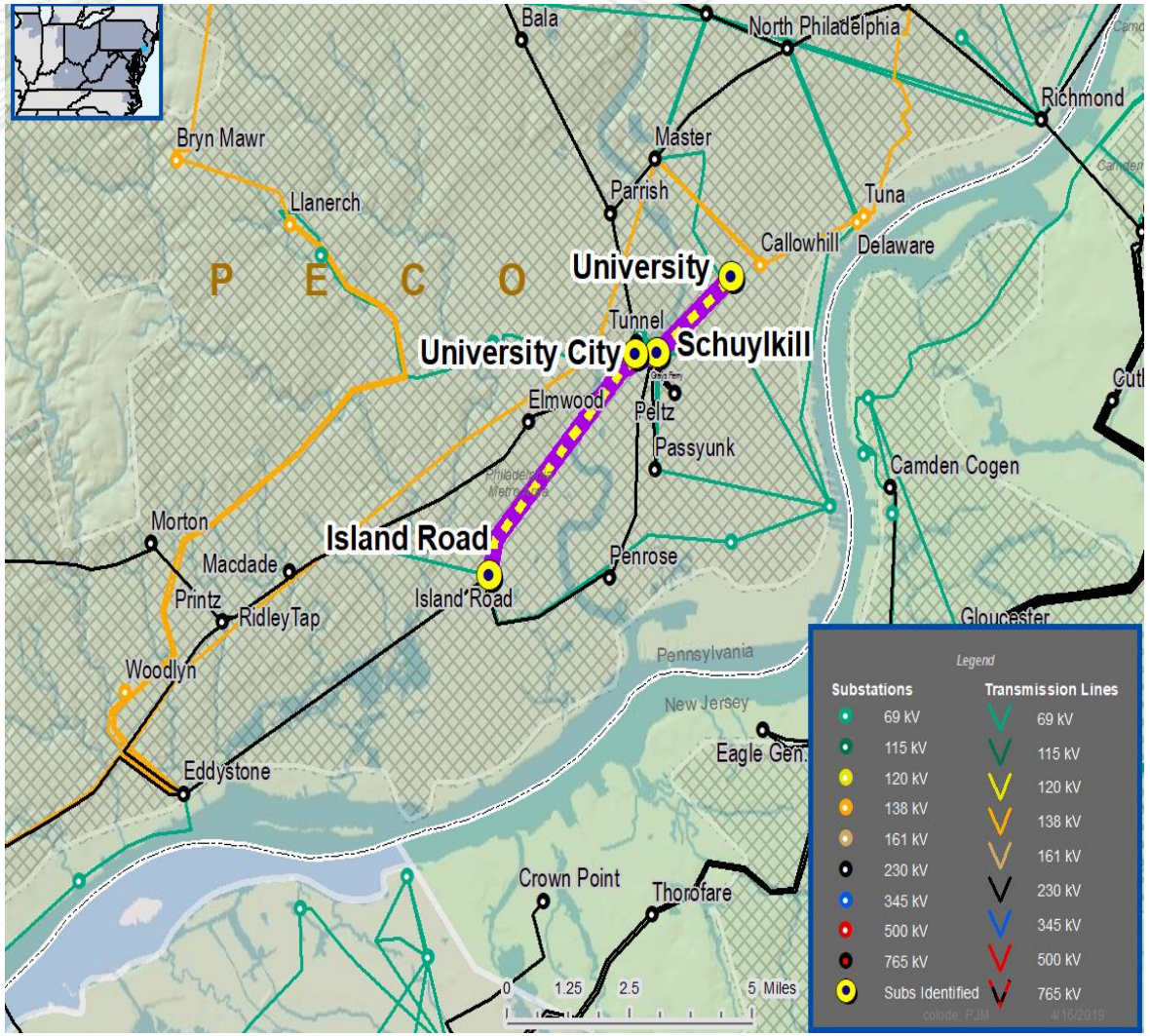
PECO Energy Transmission Planning Assumptions document presented to SRRTEP on December 7, 2018.

Problem Statement:

PE-2019-0003: The portion of the Island Road to Schuylkill 69 kV transmission line that runs under the Schuylkill River is in a tunnel that is in deteriorating condition. (2/22/19)

PE-2019-0004: The portion of the University to Schuylkill 69 kV transmission line that runs under the Schuylkill River is in a tunnel that is in deteriorating condition. (2/22/19)

PE-2019_0005: PECO distribution has requested transmission supply to serve 50 MVA of load in the University City area of the city of Philadelphia..(3/22/19)



Need Number: PE-2019-0003, 0004, 0005

Process Stage: Solutions Meeting 04/26/2019

Potential Solution:

New 69/13 kV Distribution Substation

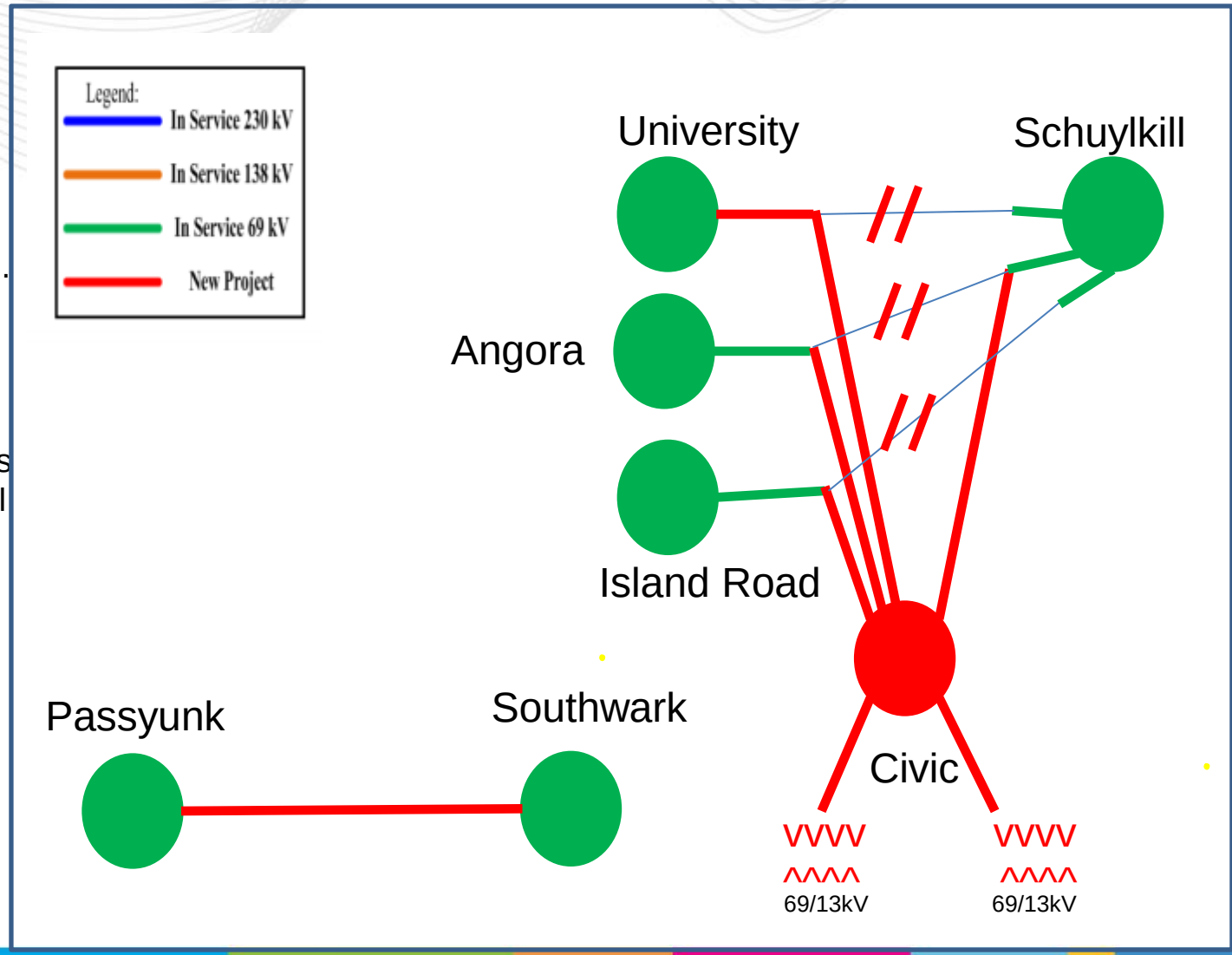
- Install 69 kV bus and two (2) 69/13 kV transformers
- Tap existing 69 kV Schuylkill to Angora, Schuylkill to Island Road, and Schuylkill to University lines to feed new substation. Retire portions of the Schuylkill to Island Road and Schuylkill to University lines under the Schuylkill river.
- Transfer load from Peltz substation to new Civic substation and add additional new load.
- Relocate north connection point of Schuylkill North-Central bus tie to open terminal position of retired Island Road to Schuylkill line
- Rebuild 69 kV Passyunk – Southwark line

Estimated Cost: $89 M

Alternatives Considered:
No feasible alternative could be determined.

Projected In-Service: 6/1/2022

Status: Planning



Questions?

Appendix

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

4/16/2019 – V1 – Original version posted to pjm.com

4/25/2019 – V2 – Added the **status** of the project on slide #4