



Sub Regional RTEP Committee PJM Mid-Atlantic PECO

February 22, 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-2019-0001

Need Presented 01/25/2019

Meeting Date: 02/22/2019

Process Stage: Solution

Supplemental Project Driver: Customer Service /
Transmission System configuration changes due to new or expansion of existing distribution substations

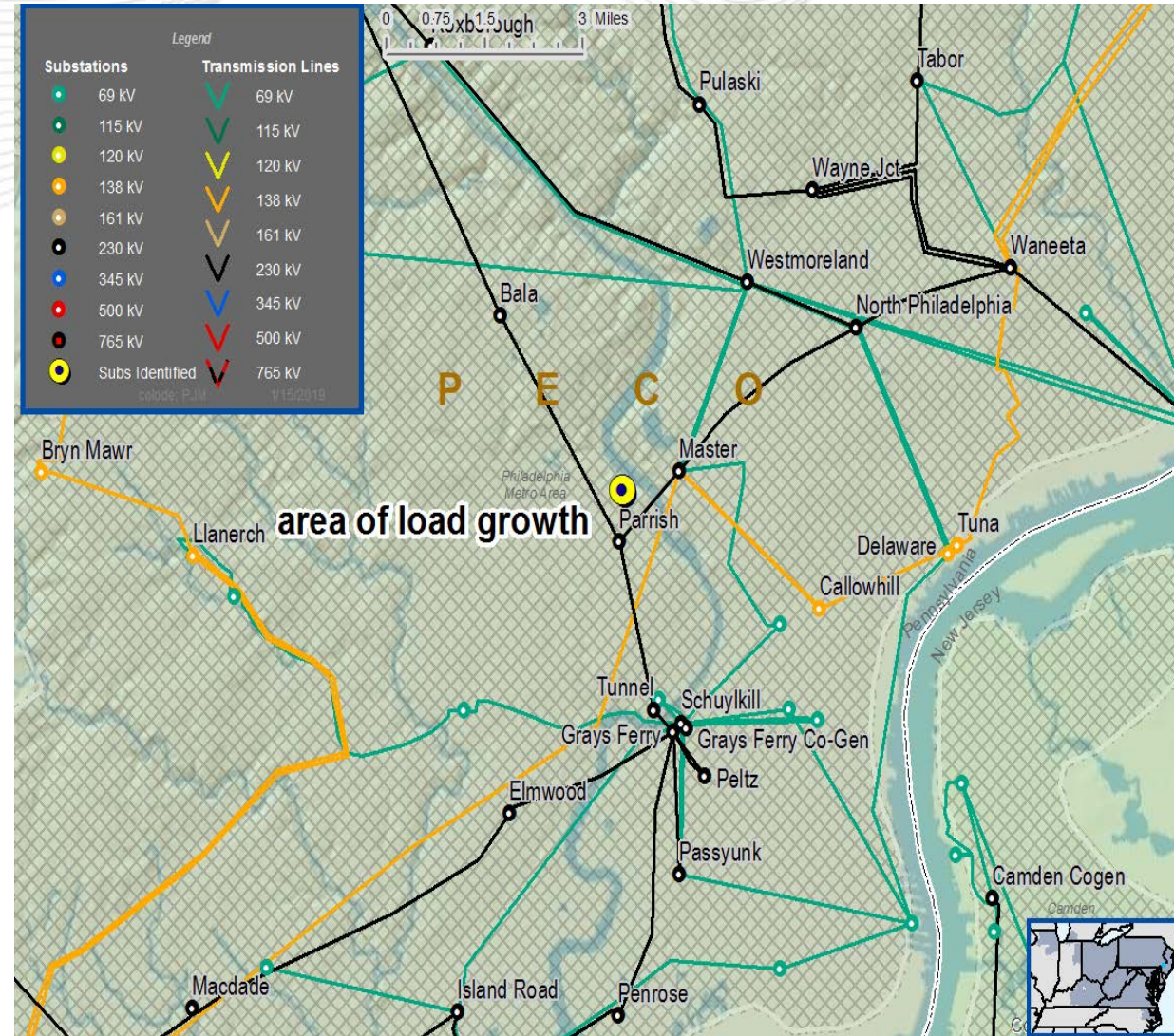
Problem Statement:

Customer load growth in the Upland area of Delaware County PA.

Specific Assumption References:

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

Transmission System configuration changes due to new or expansion of existing distribution substations



Need Number: PE-2019-0001

Proposed Solution:

New 230/13kV Distribution Substation

- Purchase property to accommodate construction
- Install 230kV bus and two (2) 230/13kV transformers
- Construct tap from existing 230kV Bala to Parrish line to feed new substation.
- Transfer load from nearby heavily loaded Llanerch, Bala, and Parrish substations to new Upland substation.

Estimated Cost: \$27M

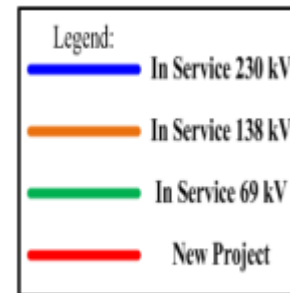
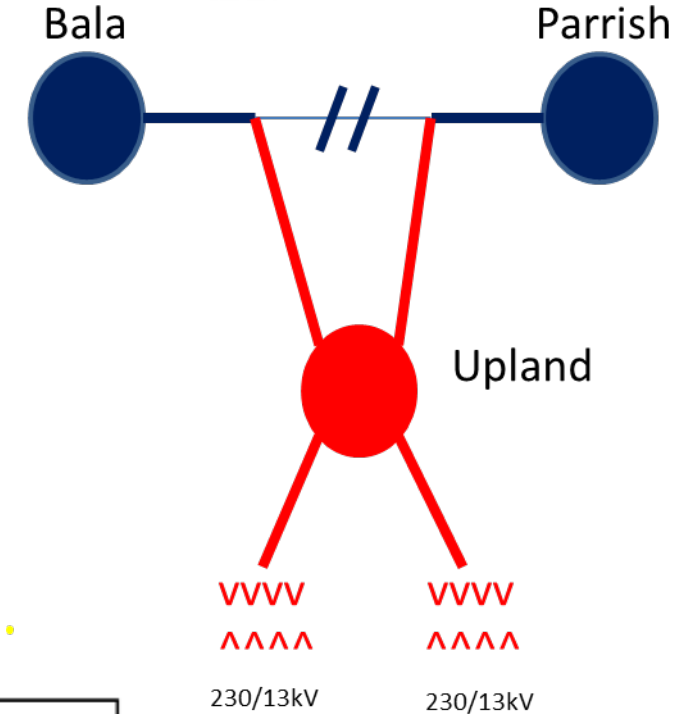
Projected In Service date: 6/1/2020

TO Alternatives Considered:

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Expand existing Llanerch substation.

- Purchase additional property adjacent to Llanerch substation
- Install additional 138/13kV transformer
- Expand 13kV distribution bus.
- No available property in vicinity of Llanerch substation without condemnation.
- Existing 138kV infrastructure would need to be upgraded including underground portions of lines.



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: PE-2019-0003

Meeting Date: 02/22/2019

Process Stage: NEED

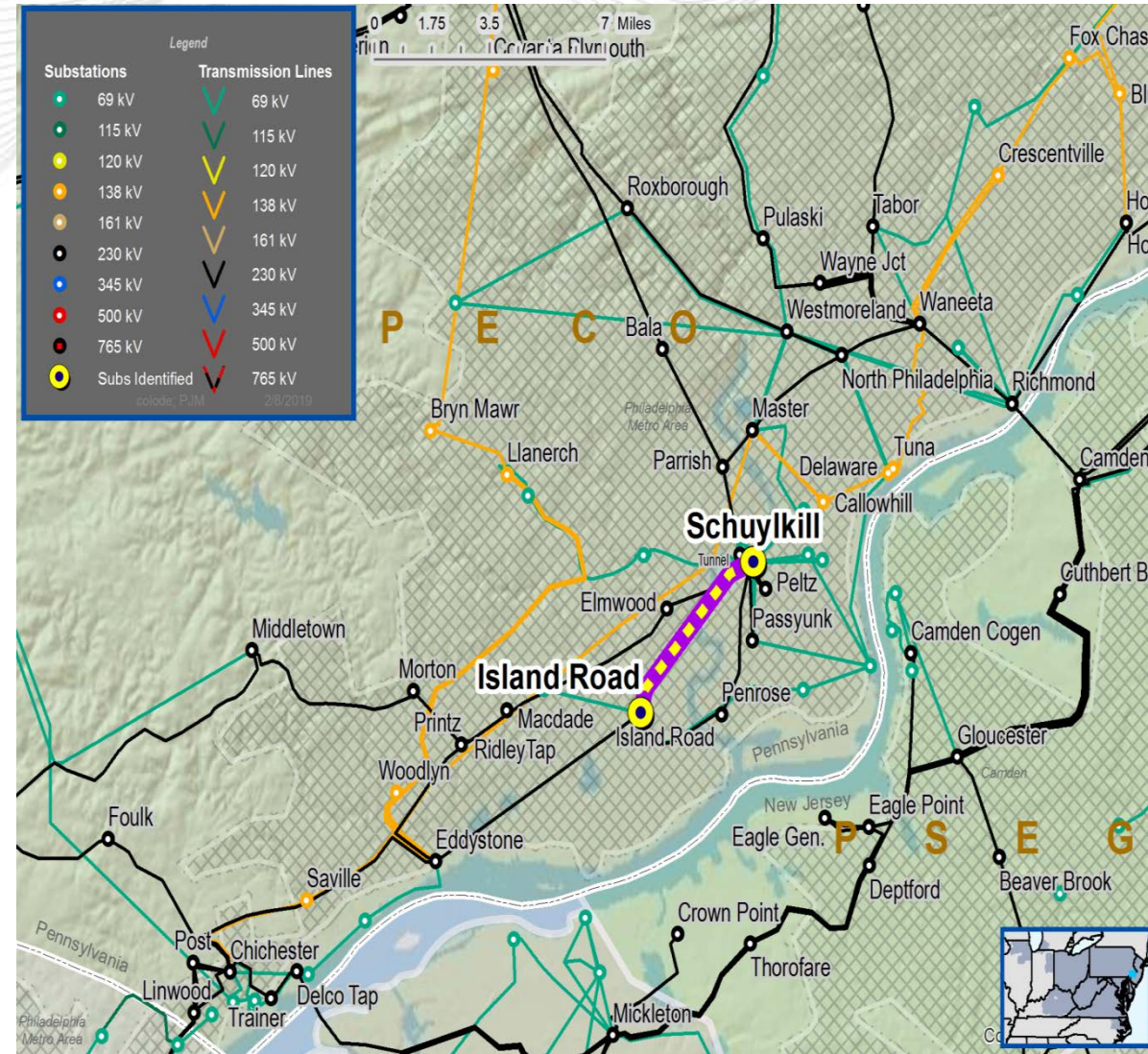
Supplemental Project Driver: Equipment, Material Condition, Performance and Risk / Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions

Problem Statement:

The portion of the Island Road to Schuylkill 66kV transmission line that runs under the Schuylkill River is in a tunnel that is in deteriorating condition.

Specific Assumption References:

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



Need Number: PE-2019-0004

Meeting Date: 02/22/2019

Process Stage: NEED

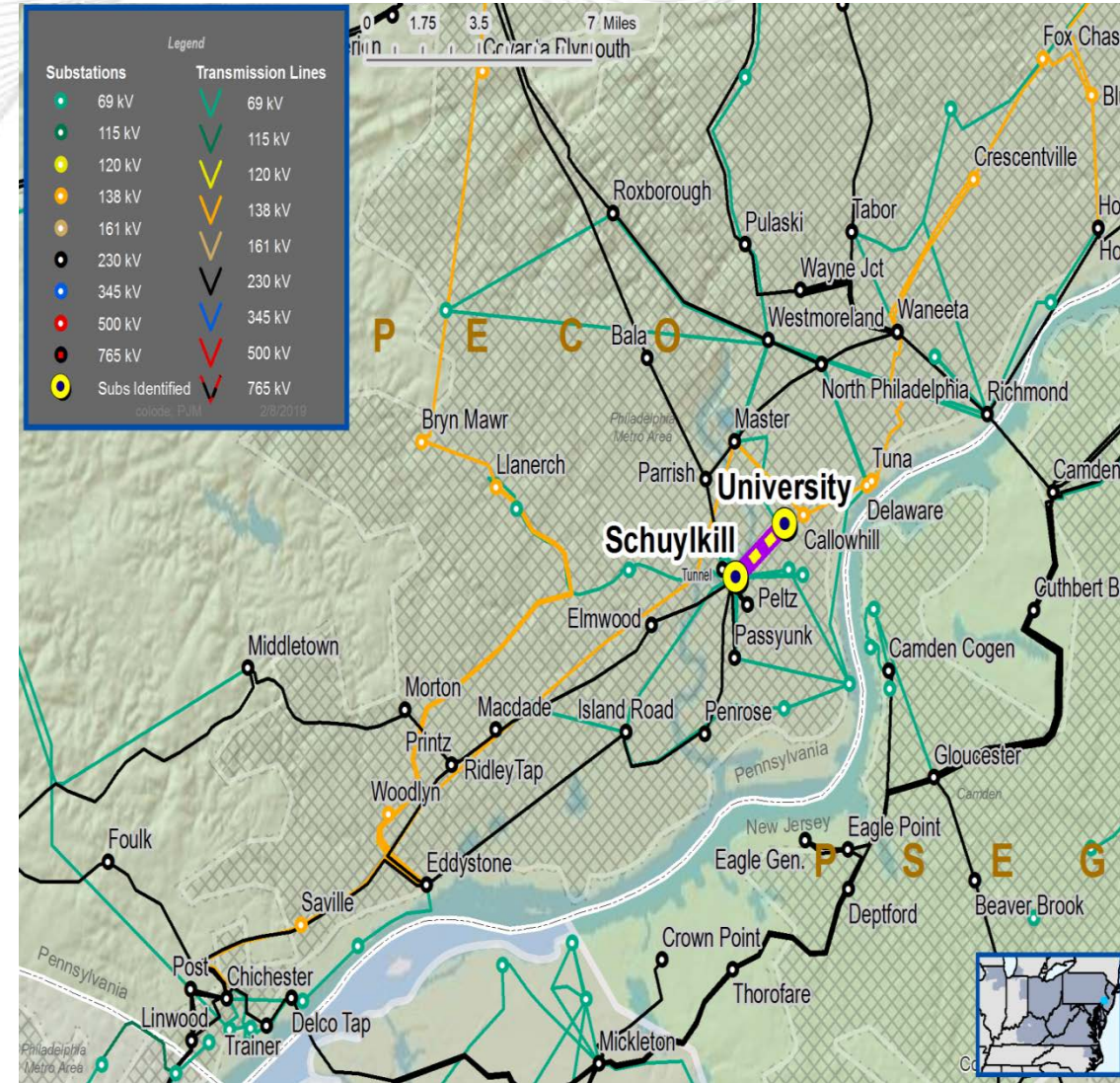
Supplemental Project Driver: Equipment, Material Condition, Performance and Risk / Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions

Problem Statement:

The portion of the University to Schuylkill 66kV transmission line that runs under the Schuylkill River is in a tunnel that is in deteriorating condition.

Specific Assumption References:

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



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

2/12/2019 – V1 – Original version posted to pjm.com