

Subregional RTEP Committee – Mid-Atlantic UGI Supplemental Projects

August 18, 2021

Solutionss

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: UGI-2022-0001

Process Stage: Solutions Meeting 8/18/2022

Need Slide Presented: 02/17/2022

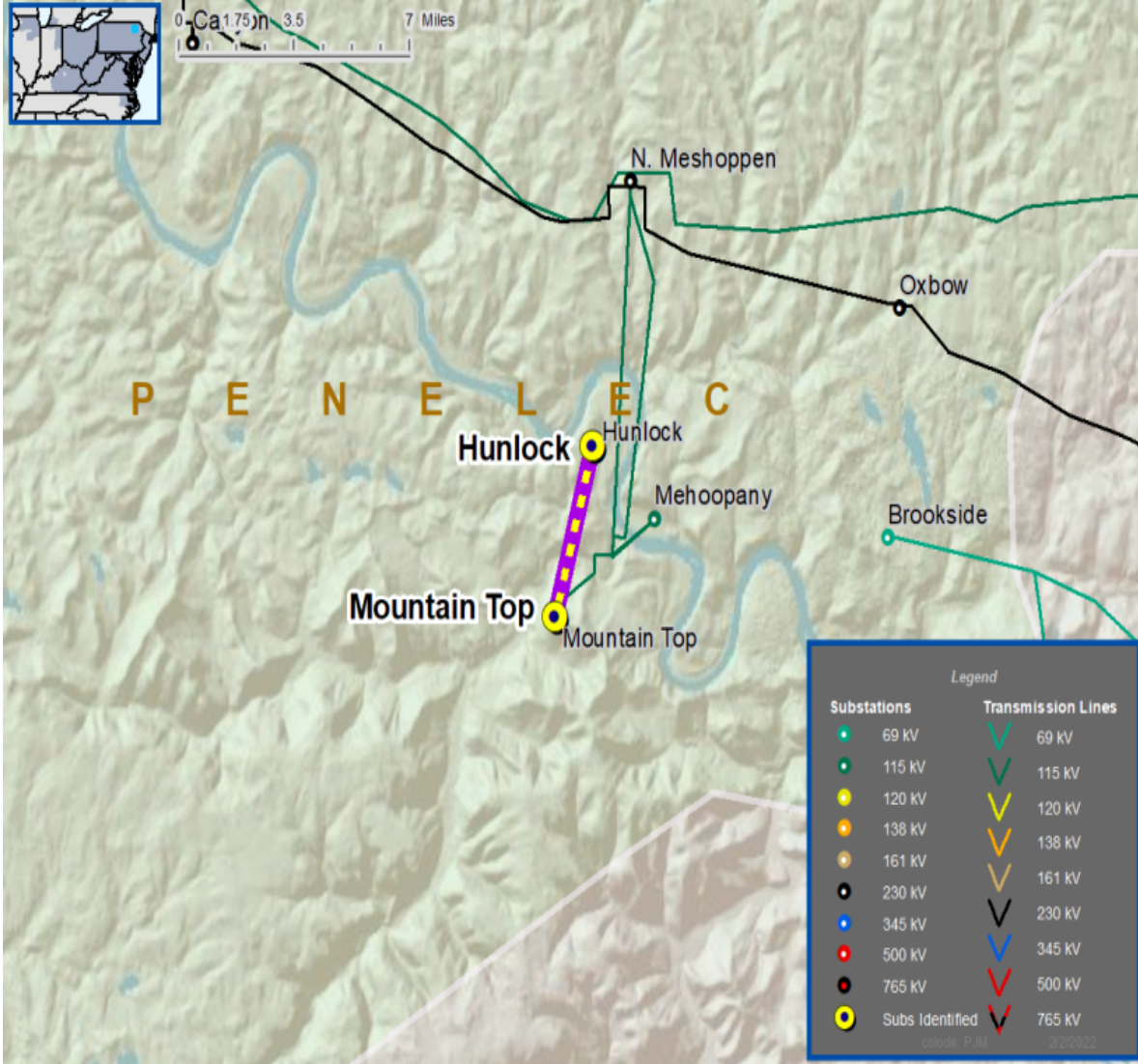
Supplemental Project Driver: Customer Service

Specific Assumptions References:

[UGI Utilities, Inc. Electric Division 2022 Annual Planning Assumptions](#)

Problem Statement:

Expected load growth from several new and existing customers will result in a thermal violation on the Hunlock-Mountain #1 66kV Line under peak load conditions for an N-1 contingency.



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Process Stage: Solutions Meeting 08/18/2022

Proposed Solution:

- Provide an additional networked source to Loomis Substation.
 - Construct a 66kV high side bus at Hanover Substation.
 - Extend Hanover Tap 66kV line to Loomis #2 66kV bus (0.8mi).

Alternatives Considered:

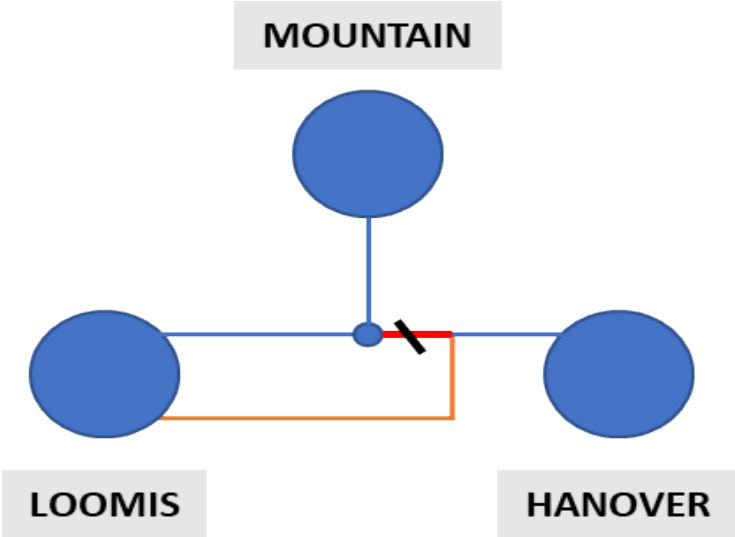
- Rebuild/Reconductor Hunlock-Mountain #1 66kV line.
 - 7.5mi double circuit line
 - Challenging Terrain
 - 1920s vintage structures at structural capacity
 - Estimated Cost: \$25M

Estimated Project Cost: \$6M

Includes Operational Flexibility and Efficiency and Infrastructure Resilience Benefits

Projected In-Service Date: 05/2023

Project Status: Engineering



Questions?



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

8/8/2022 – V1 – Original version posted to pjm.com