



# Sub Region RTEP Mid-Atlantic Committee DPL Supplemental Projects

March 17, 2022



# 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:** DPL-2022-001

**Process Stage:** Solutions Meeting – 3/17/22

**Previously Presented:** Needs Meeting – 2/17/22

**Project Drivers:**

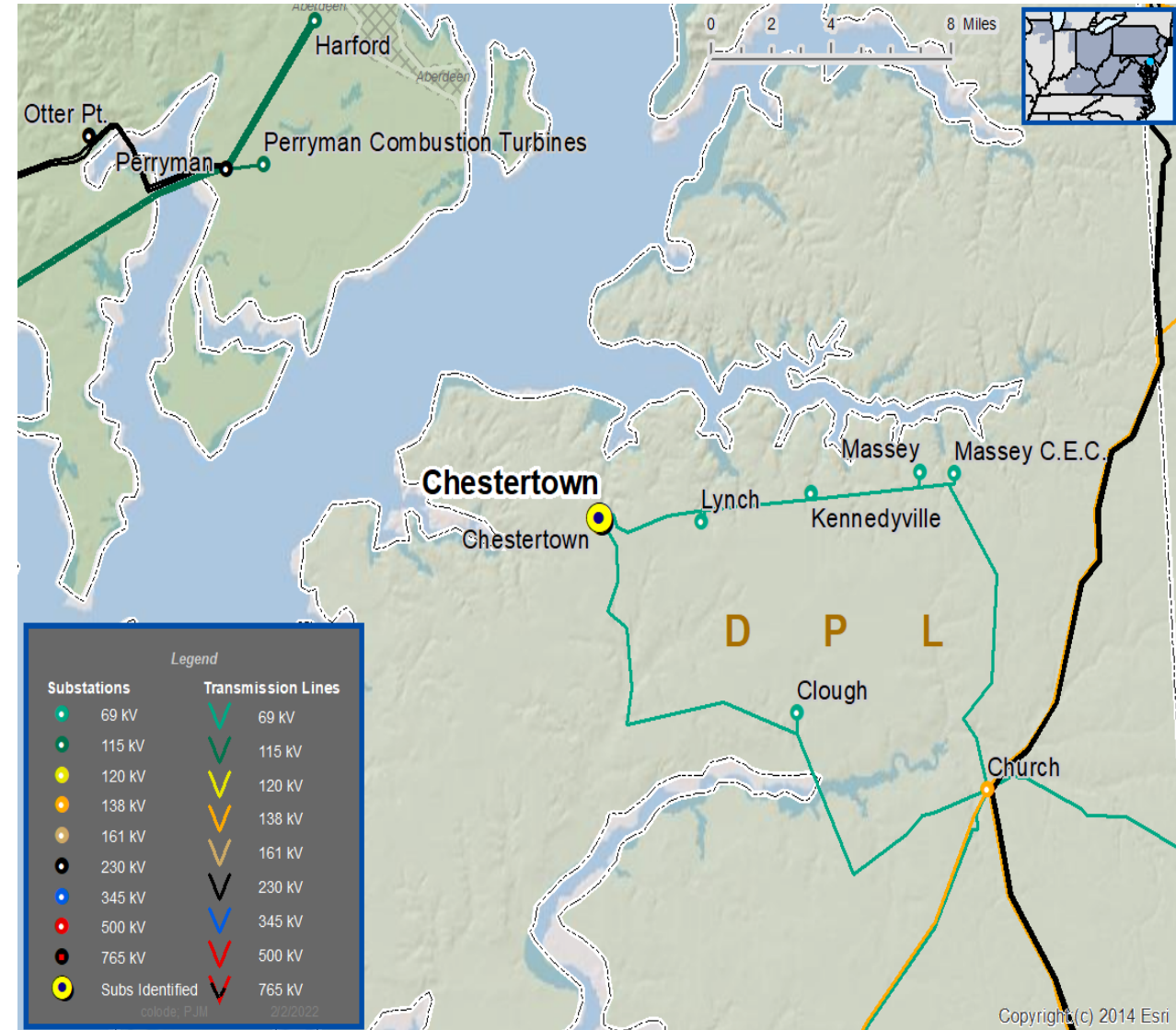
- Operational Flexibility and Efficiency
- Customer Service

**Specific Assumption References:**

- Enhancing system functionality, flexibility, visibility, or operability
- Transmission System configuration changes due to new or expansion of existing distribution substations

**Problem Statement:**

- As currently configured, a stuck breaker contingency at the Chestertown Substation can take both the 6773 and 6762 69kV lines out of service. Additionally, another stuck breaker contingency can take both transformers and the 69kV capacitor bank out of service. Both stuck breaker contingencies would result in loss of substation load.



**Need Number:** DPL-2022-001

**Process Stage:** Solutions Meeting – 3/17/22

**Proposed Solution:**

- Reconfigure and expand the 69kV bus to 6 breaker ring bus to prevent a stuck breaker from causing an outage on either both transmission lines or both transformers simultaneously
- The existing 69kV cap bank will be moved to its own position on the bus
- Line 6762 will be moved to a new position no longer adjacent to Line 6773
- A new dedicated mobile position will be installed

**Estimated cost:** \$6.3M

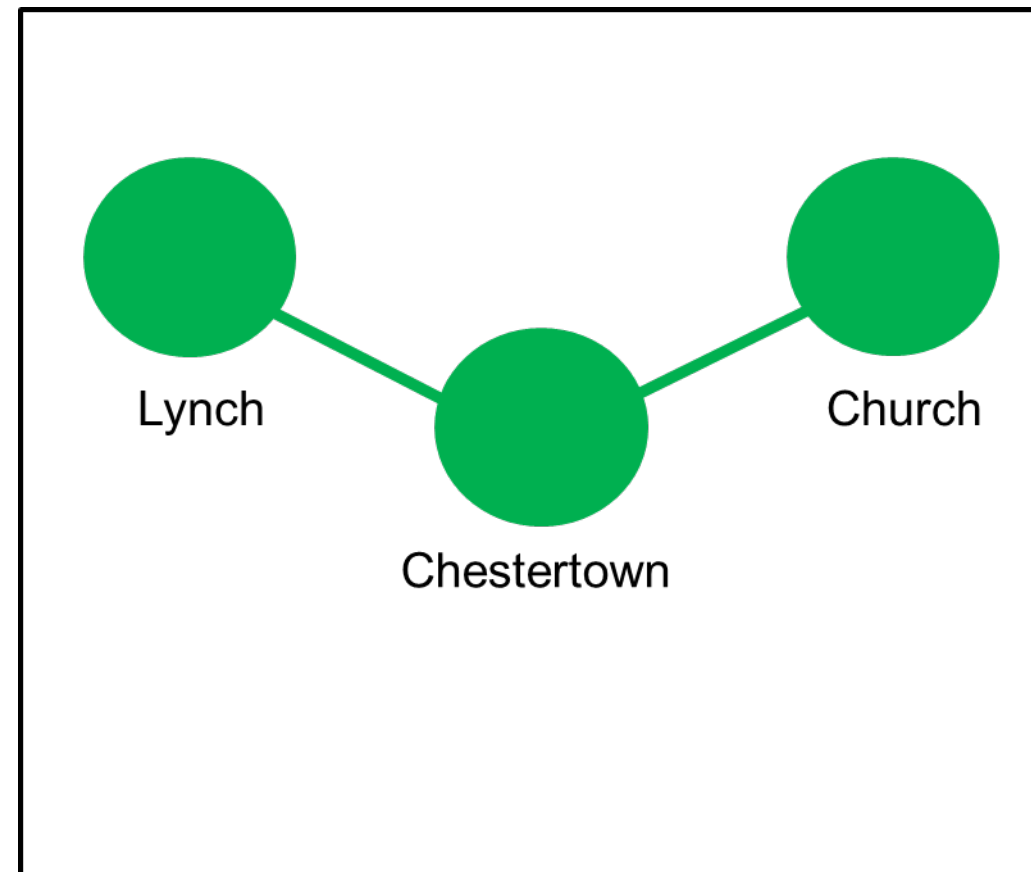
**Alternatives Considered:**

- Build a new 25kV McCleans Substation (~\$18M)

**Projected In-Service:** 3/30/2023

**Project Status:** Construction

**Model:** 2026 RTEP



# 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

3/7/2022 – V1 – Original version posted to pjm.com