

Sub Region RTEP Mid-Atlantic Committee DPL Supplemental Projects

October 14, 2021

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-2021-0001

- **Process Stage:** Solutions Meeting 10/14/2021
- **Previously Presented:** Needs Meeting 5/20/2021

Project Driver: Customer Service

Specific Assumption Reference:

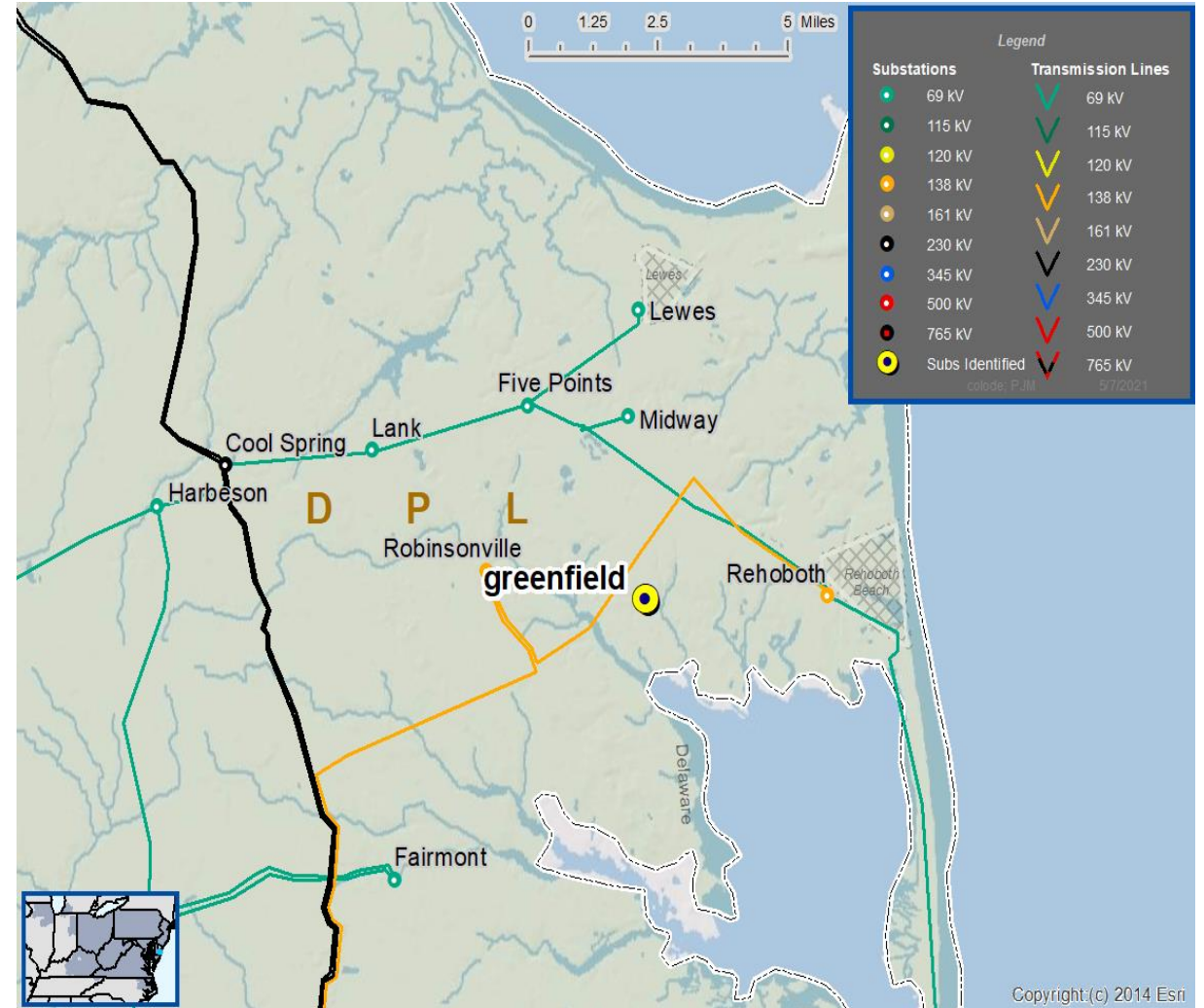
- New transmission customer interconnections or modification to an existing customer

Problem Statement:

- Customer has requested a new 138 kV interconnection point off the Robinsonville – Rehoboth 138kV line due to load growth within the cooperative coupled with currently overloaded infrastructure.

Projected load increase: 21MW

Overload of existing equipment: 15MW



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Need Number: DPL-2021-0001

Process Stage: Solutions Meeting 10/14/2021

Previously Presented: Needs Meeting 5/20/2021

Proposed Solution:

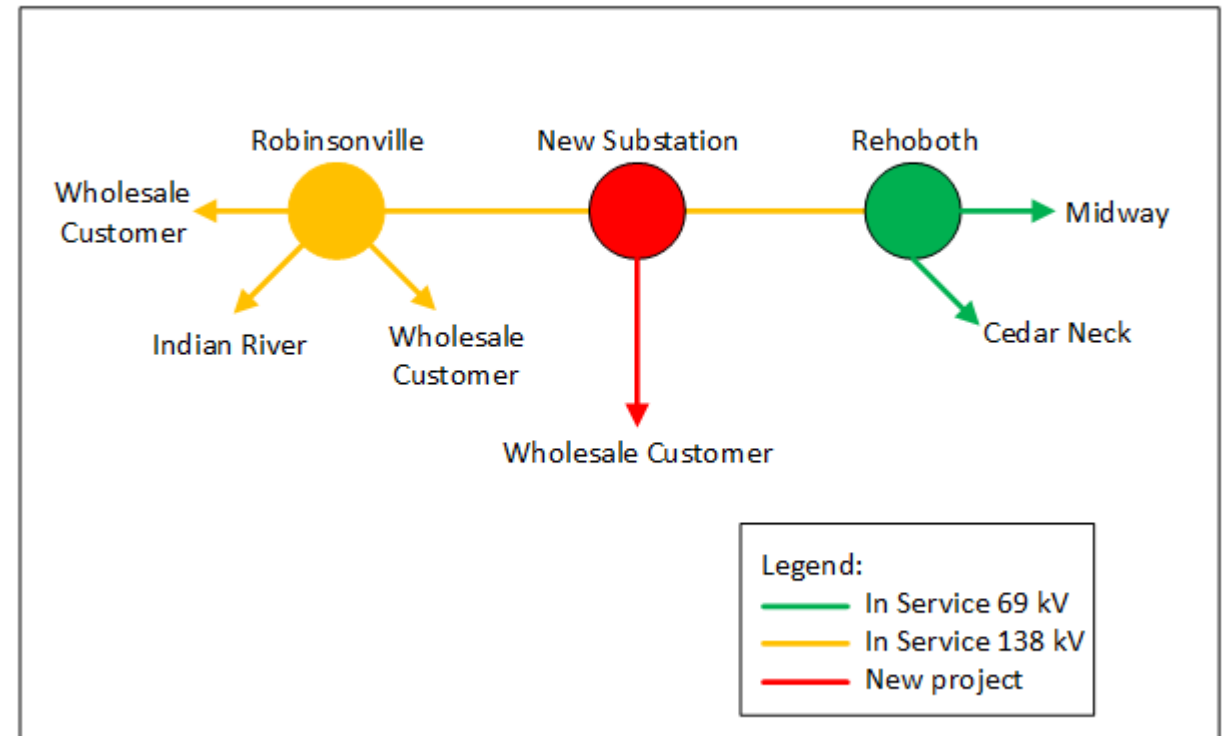
- Construct a new 3-breaker ring bus substation tying into to the Robinsonville – Rehoboth 138kV line with a terminal position dedicated to the customer

Estimated Cost: \$9.75M

Anticipated In Service Date: 12/31/2025

Alternatives Considered:

- Provide an additional 138kV feed out of Robinsonville Substation by adding a terminal position (\$11M)
 - Would require expansion of existing station and long radial to serve new customer load
- Provide additional 69kV feed out of Rehoboth Substation (\$20M)
 - Would require demo and rebuild of Rehoboth Substation based on space limitations



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

10/4/2021 – V1 – Original version posted to pjm.com