

Sub Region RTEP Mid-Atlantic Committee DPL Supplemental Projects

February 16, 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-2019-0001

Process Stage: Solutions Meeting 2/16/2021

Previously Presented: Needs Meeting 1/25/2019

Project Driver: Customer Service

Specific Assumption Reference:

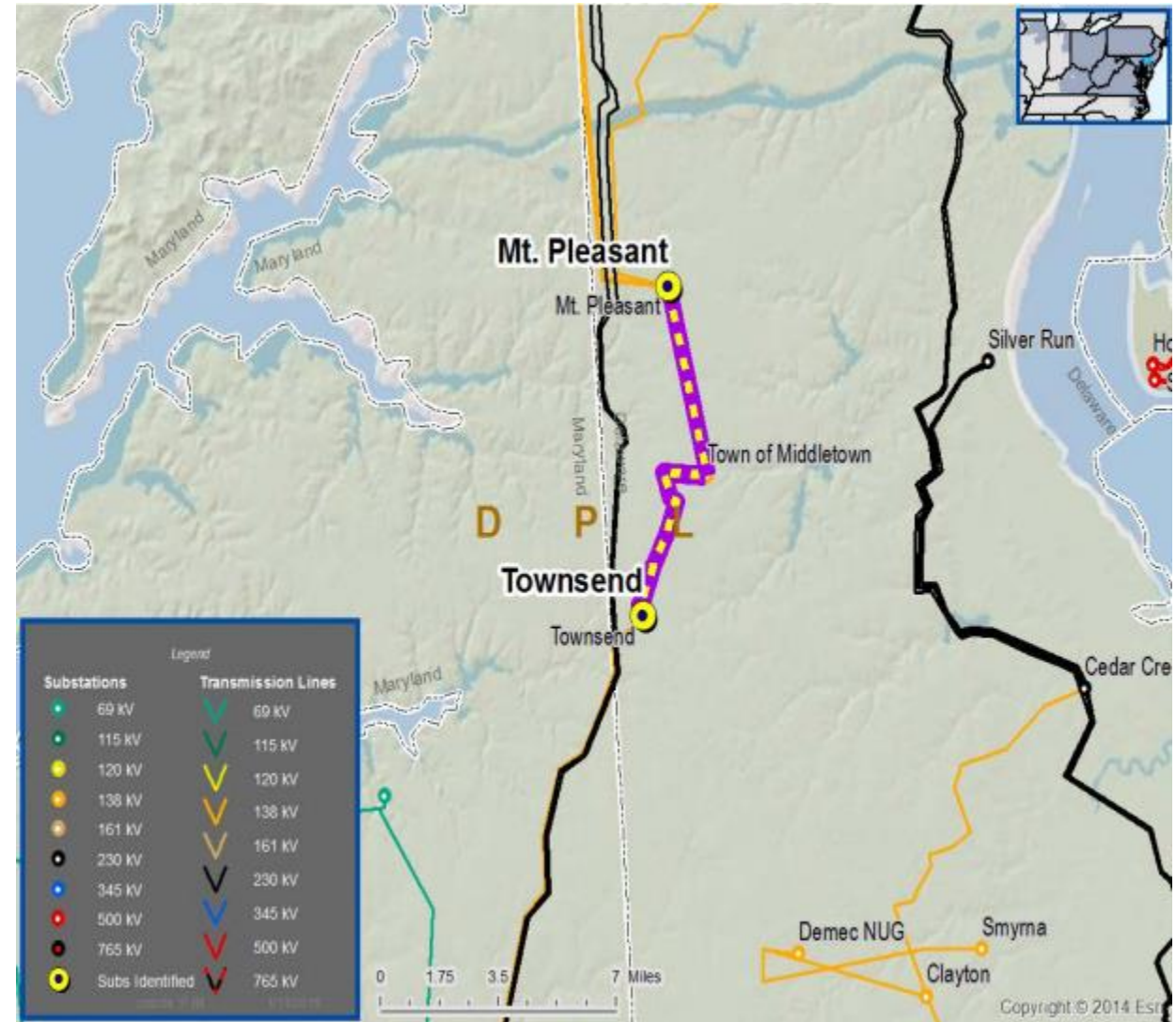
- New transmission customer interconnections or modification to an existing customer

Problem Statement:

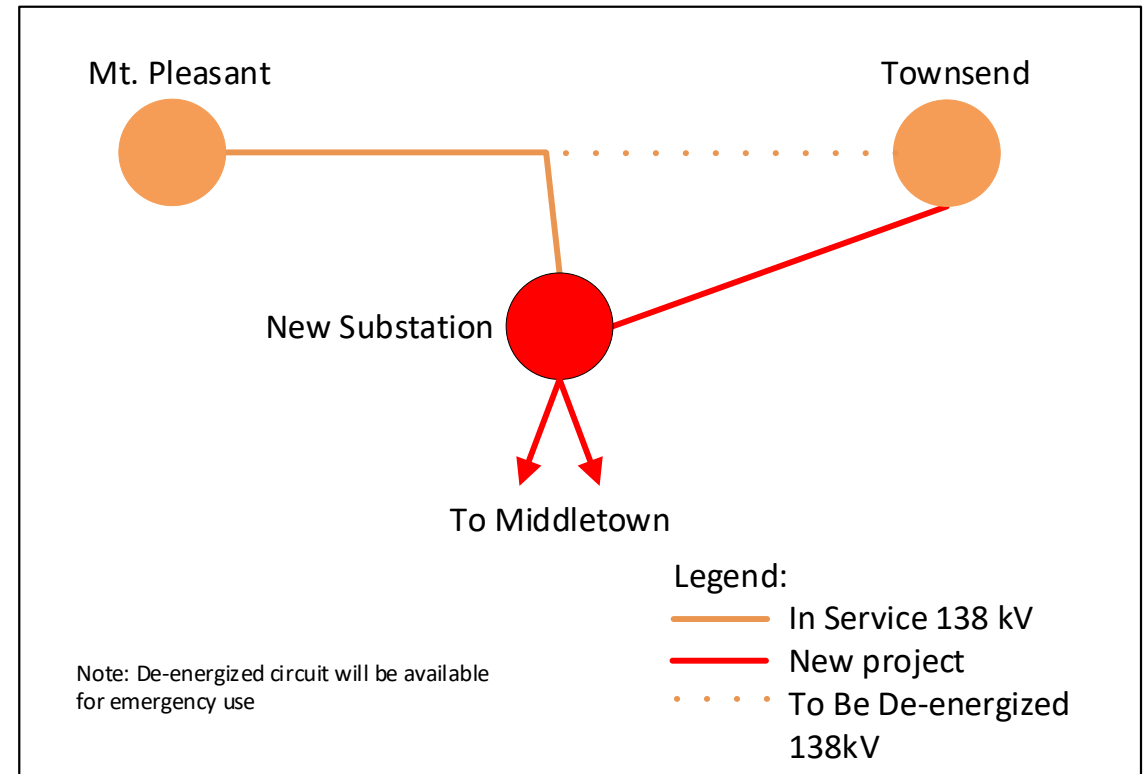
- Customer has requested a new 138 kV interconnection point off the Mt. Pleasant to Townsend 138 kV line due to load growth within the municipality.

2019 Actual Peak: 60 MW

2023 Project Load: 105 MW



- **Need Number:** DPL-2019-0001
- **Process Stage:** Solutions Meeting 2/16/2021
- **Previously Presented:** Needs Meeting 1/25/2019
- **Proposed Solution:**
- Construct new 138 kV feed (approx. 4 mi) out of Townsend substation, utilizing an open terminal position, to a new 4-breaker ring bus adjacent to customer’s existing substation. De-energize remainder of line from existing Middletown Tap to Townsend.
 - Addresses customer reliability concerns while providing increased capacity
- Estimated cost: \$23M
- **Alternatives Considered:**
- 1. Replace existing tap with a 4-breaker ring bus, utilize existing corridor for 2nd 138kV feed to Middletown
Estimated cost: \$25M
 - Limited land options in area surrounding existing tap
- 2. Reconfigure Mt. Pleasant Substation to add additional terminal position to provide new 138 kV feed, utilizing same corridor as existing feed, to new 4-breaker ring bus adjacent to existing substation
Estimated cost: \$32M
 - Significantly higher cost option
- **Projected In-Service:** 5/31/2025
- **Project Status:** Engineering
- **Model:** 2025 PJM 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

2/5/2021 – V1 – Original version posted to pjm.com