

DPL 2021
Submission of Supplemental Projects for
Inclusion in the Local Plan

Need Number: DPL-2019-0001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 10/30/10/2021

Previously Presented: Needs Meeting 1/25/2019
Solutions Meeting 2/16/2021

Project Driver: Customer Service

Specific Assumption Reference:

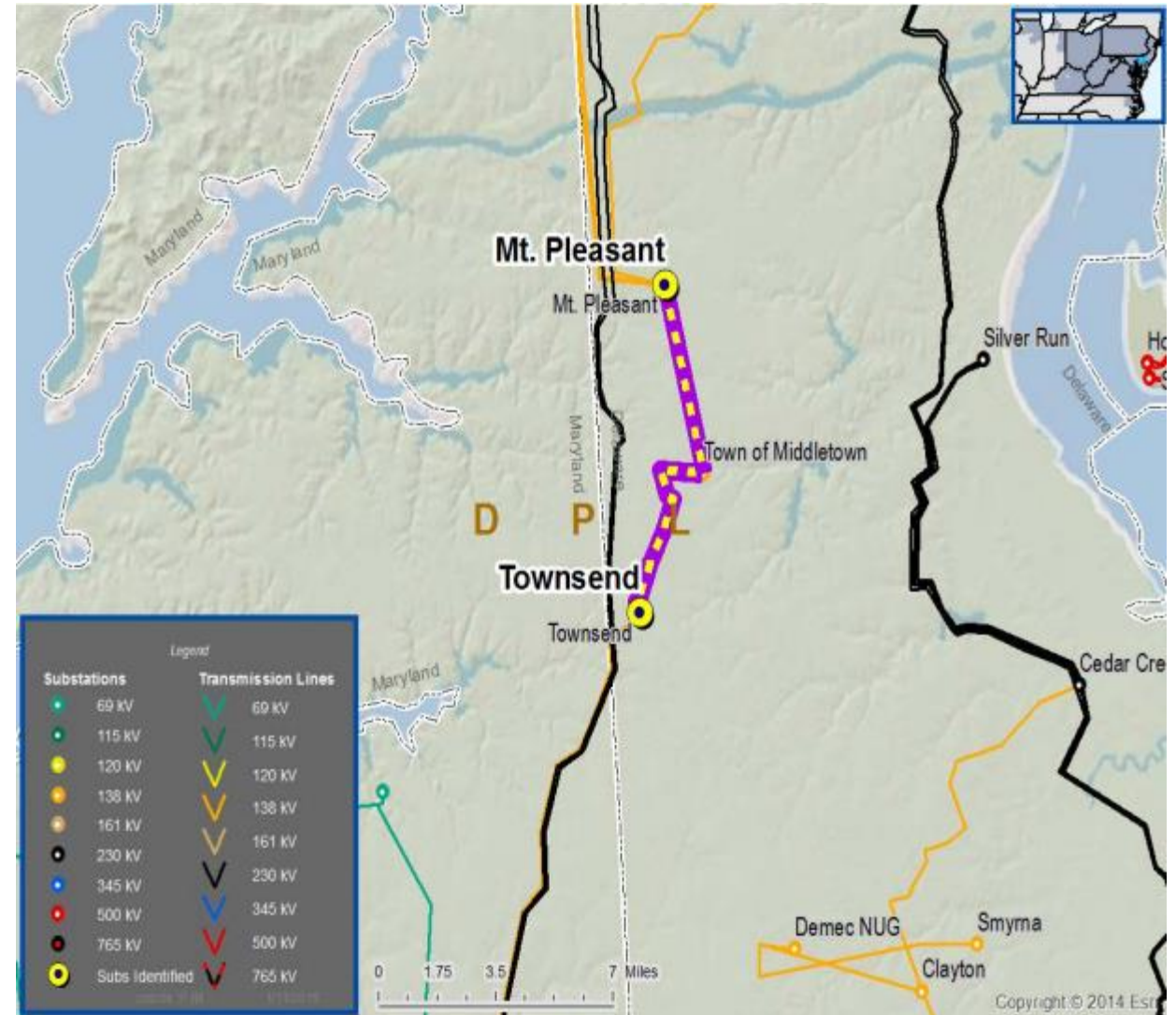
New transmission customer interconnections or modification to an existing customer

Problem Statement:

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

2019 Actual Peak: 60 MW

2023 Project Load: 105 MW





DPL Transmission Zone M-3 Process

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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:

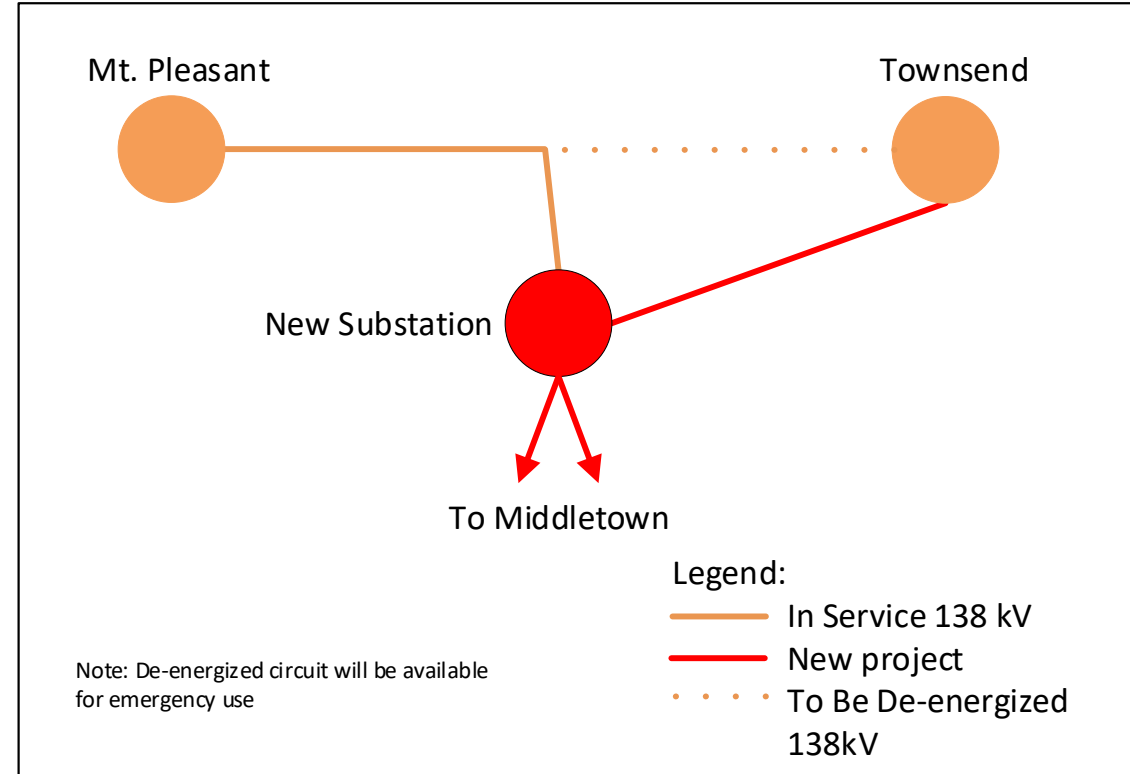
1. Replace existing tap with a 4-breaker ring bus, utilize existing corridor for 2nd 138kV feed to Middletown
Estimated cost: \$25M
 - Limited land options in area surrounding existing tap
2. Reconfigure Mt. Pleasant Substation to add additional terminal position to provide new 138 kV feed, utilizing 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

PJM Supplemental Project ID: s2489

Project Status: Engineering

Model: 2025 PJM RTEP



Revision History

- 10/30/2021 – V1 – Posted Local plan for s2489