

DPL 2023
Submission of Supplemental Project for
Inclusion in the Local Plan

Need Number: DPL-2021-001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 10/2/2023

Previously Presented:

- Needs Meeting 5/20/21
- Solutions Meeting 10/14/21

Project Driver:

Customer Service

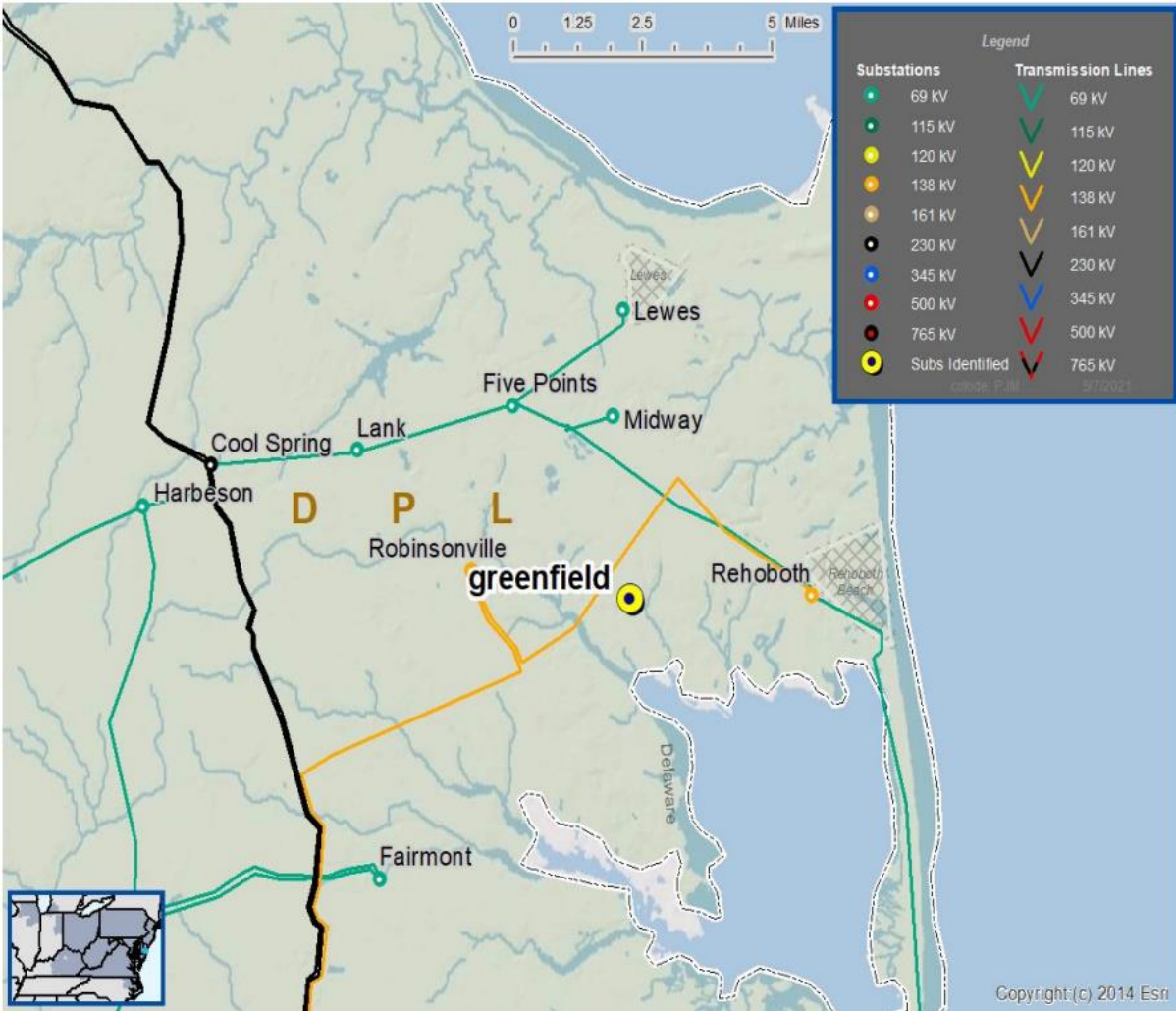
Specific Assumption Reference:

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





DPL Transmission Zone M-3 Process New Ring Bus Robinsonville – Rehoboth Line

Need Number: DPL-2021-001

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 10/2/2023

Selected Solution:

Construct a new 4-breaker ring bus substation with a capacitor bank tying into to the Robinsonville – Rehoboth 138kV line with a terminal position dedicated to the customer.

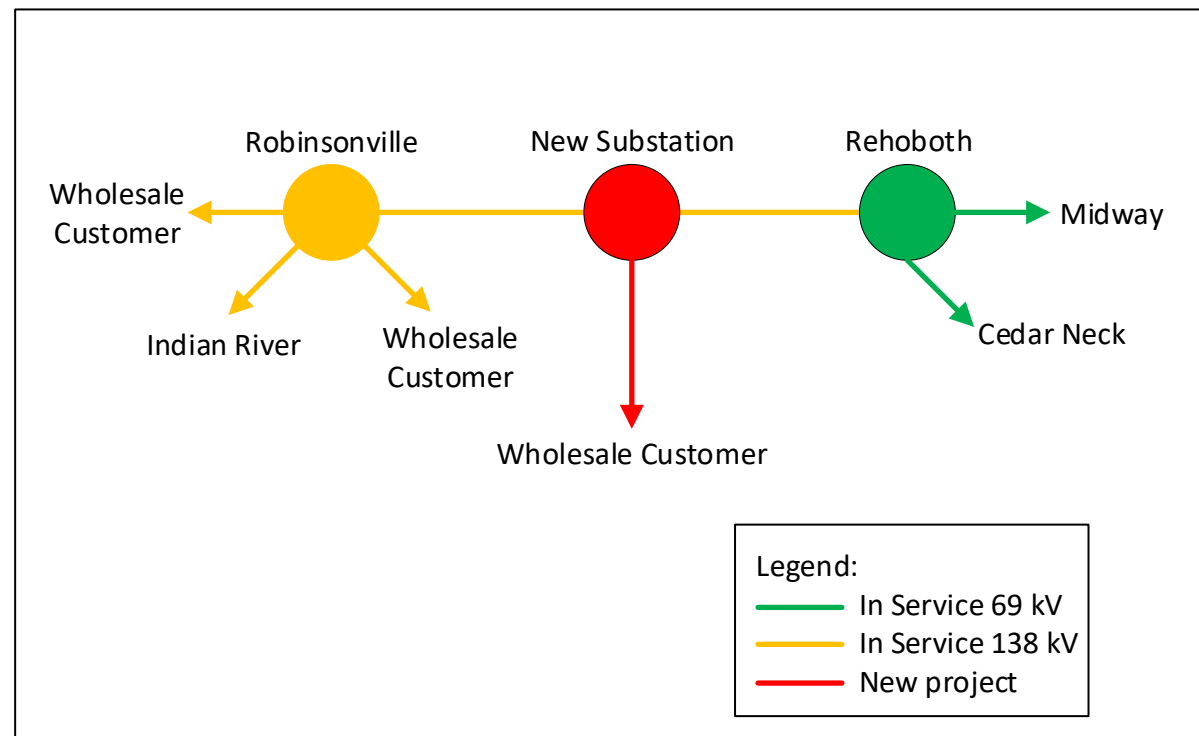
Estimated Cost: \$10.5 M

Projected In-Service: 12/31/26

Supplemental Project ID: s2947

Project Status: Conceptual

Model: 2026 RTEP



Need Number: DPL-2022-002

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 10/2/2023

Previously Presented:

Need Meeting 8/18/2022

Solution Meeting 11/17/2022

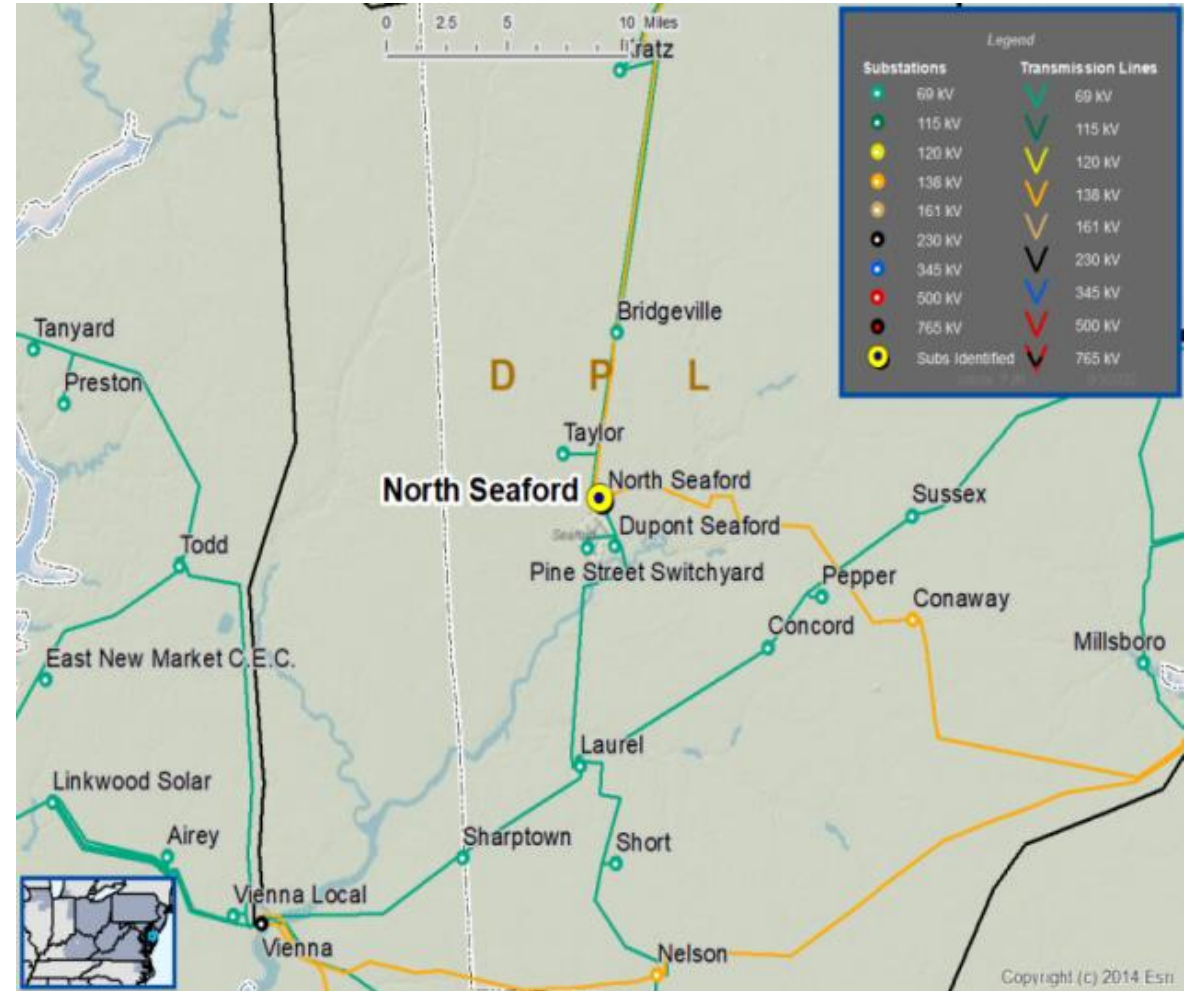
Project Driver: Equipment Material Condition, Performance and Risk

Specific Assumption Reference:

- Transmission infrastructure replacements (EOL/condition/obsolescence) that are consistent with efficient asset management decisions

Problem Statement:

- The N. Seaford 138/69 kV Autotransformer #1 is 56 years old and in deteriorating condition.





DPL Transmission Zone M-3 Process N. Seaford AT1 Replacement

Need Number: DPL-2022-002

Process Stage: Submission of Supplemental Project for inclusion in the Local Plan 10/2/2023

Proposed Solution:

- Replace N. Seaford 138/69 kV Autotransformer #1
- Existing rating: 75 MVA
- New rating: 112 MVA

Estimated cost: \$8M

Alternatives Considered:

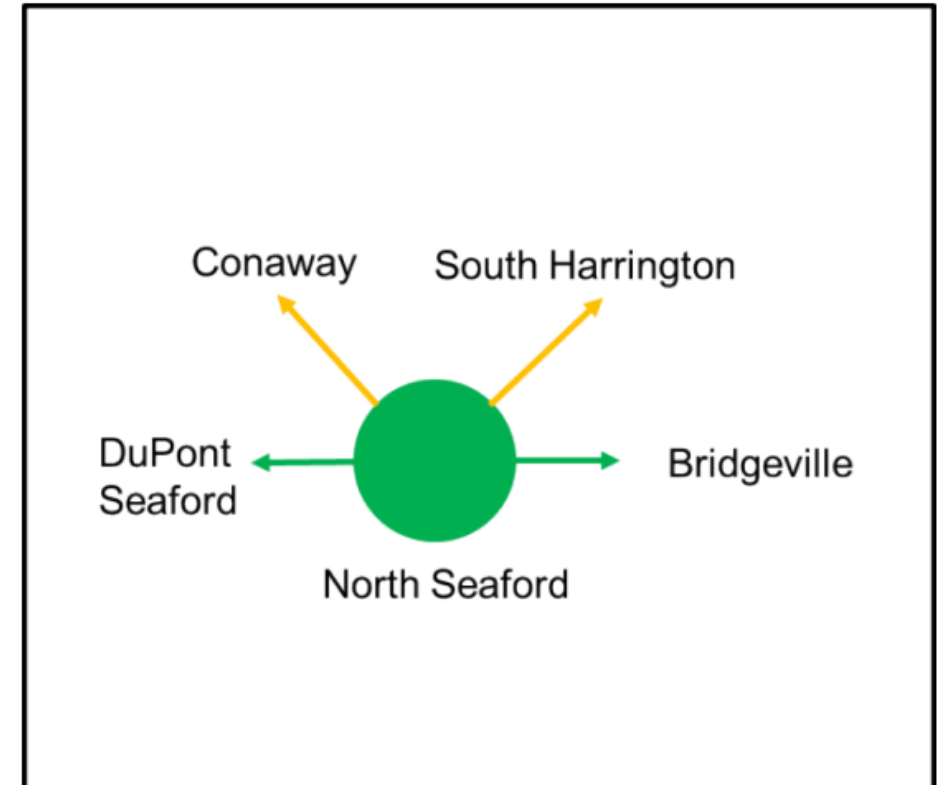
- None

Projected In-Service: 5/31/2025

Supplemental Project ID: s2843

Project Status: Engineering

Model: 2027 RTEP



Revision History

10/2/2023 – V1 – Posted Local plan for s2947,2843