

Reliability Update – MAAC Region

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Scope/Cost Changes

b3143: Scope and Cost Change

Original: Naamans – Darley – Silver Side Rd 69kV reconductoring

Revised: Naamans – Darley – Silver Side Rd 69kV **rebuilding**

Previously Presented: Second Review – SRRTEP-MAAC – 11/19/2019

Criteria Test: Summer and Winter generator deliverability from 2019 RTEP. [GD-S537, GDS538], [GD-W441 and GD-W442]

Problem Statement:

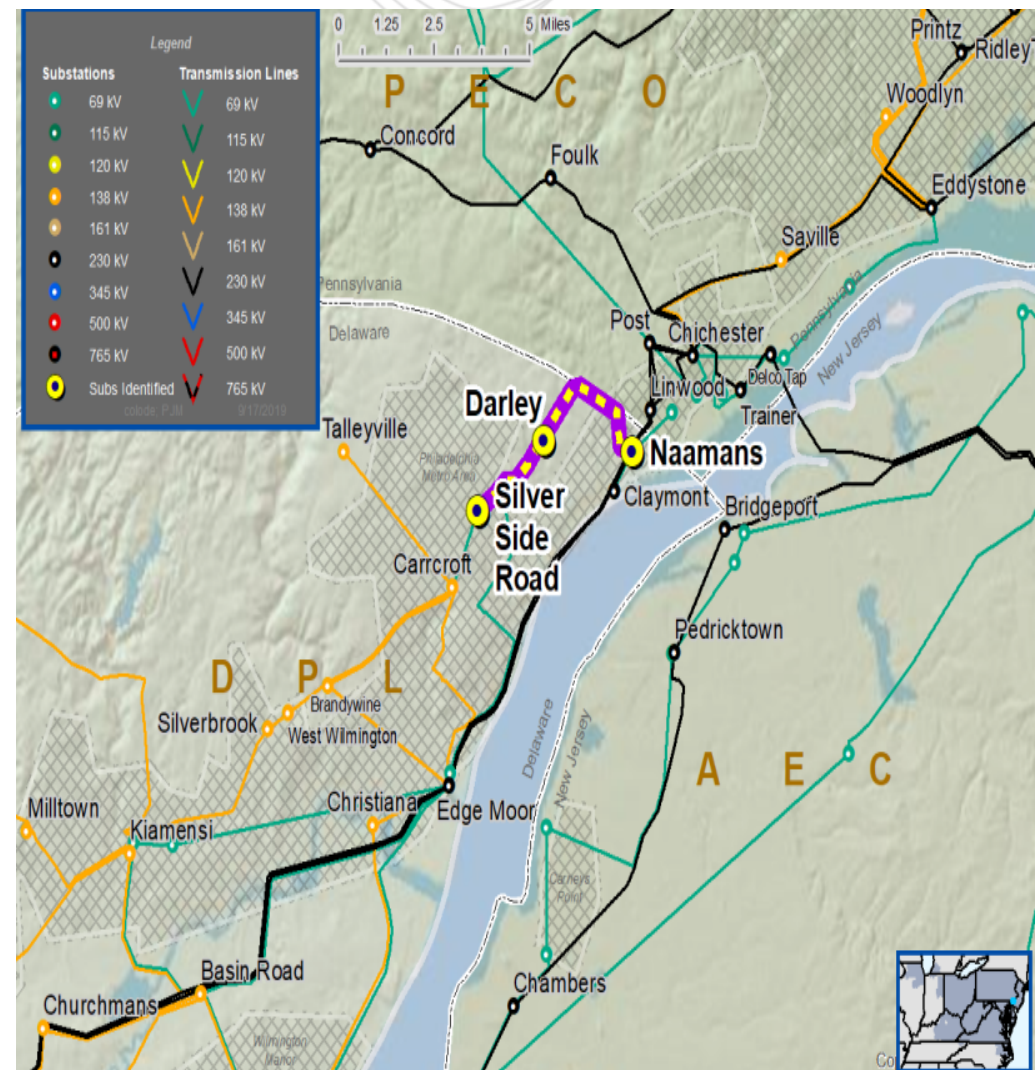
The Naamans – Darley – Silver Side Rd 69 kV circuit is overloaded for a tower line outage, loss of Edge Moor – Claymont and Edge Moor – Linwood 230 kV circuits, in the Winter generation deliverability study. The circuit is rated at 105N/136E, 137N/175E Summer and 121N/153E, 158N/197E Winter.

Previous Solution:

Replace terminal equipment and implement reconductoring of the Silverside-Darley and Darley-Naamans 69 kV lines to achieve ratings of 232N/239E summer MVA, 241N/269E winter MVA (Silverside-Darley) and 174N/194E summer MVA, 205N/235E winter MVA (Darley-Naamans). (B3143)

Previous Estimated Project Cost : \$5.5 M

Previous Projected In-Service Date: 6/1/2024



b3143: Scope and Cost Change

Revised Solution:

Replace terminal equipment and implement **rebuilding** of the Silverside-Darley and Darley-Naamans 69 kV lines to achieve ratings of **196N/242E** summer MVA, **225N/272E** winter MVA on both circuits. (B3143)

Reason for Revision:

Based on field evaluations of these facilities, in order to achieve higher ratings based on DPL's design standard, a scope change to rebuild, rather than reconductor, is required.

Revised Estimated Project Cost : \$21M

Revised Projected In-Service Date: **10/31/2026** (Silverside – Darley, b3143.1), **12/31/2026** (Darley – Naamans, b3143.2)

Project Status: EP

