

# Subregional RTEP Committee - DLCO

February 16, 2024

# Needs

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:** DLC-2024-001

**Process Stage:** Needs Meeting – 2/16/2024

**Supplemental Project Driver(s):**

Equipment Material Condition, Performance, and Risk

**Specific Assumptions Reference:**

Slide 6 of the DLC 2024 Local Planning Assumptions.

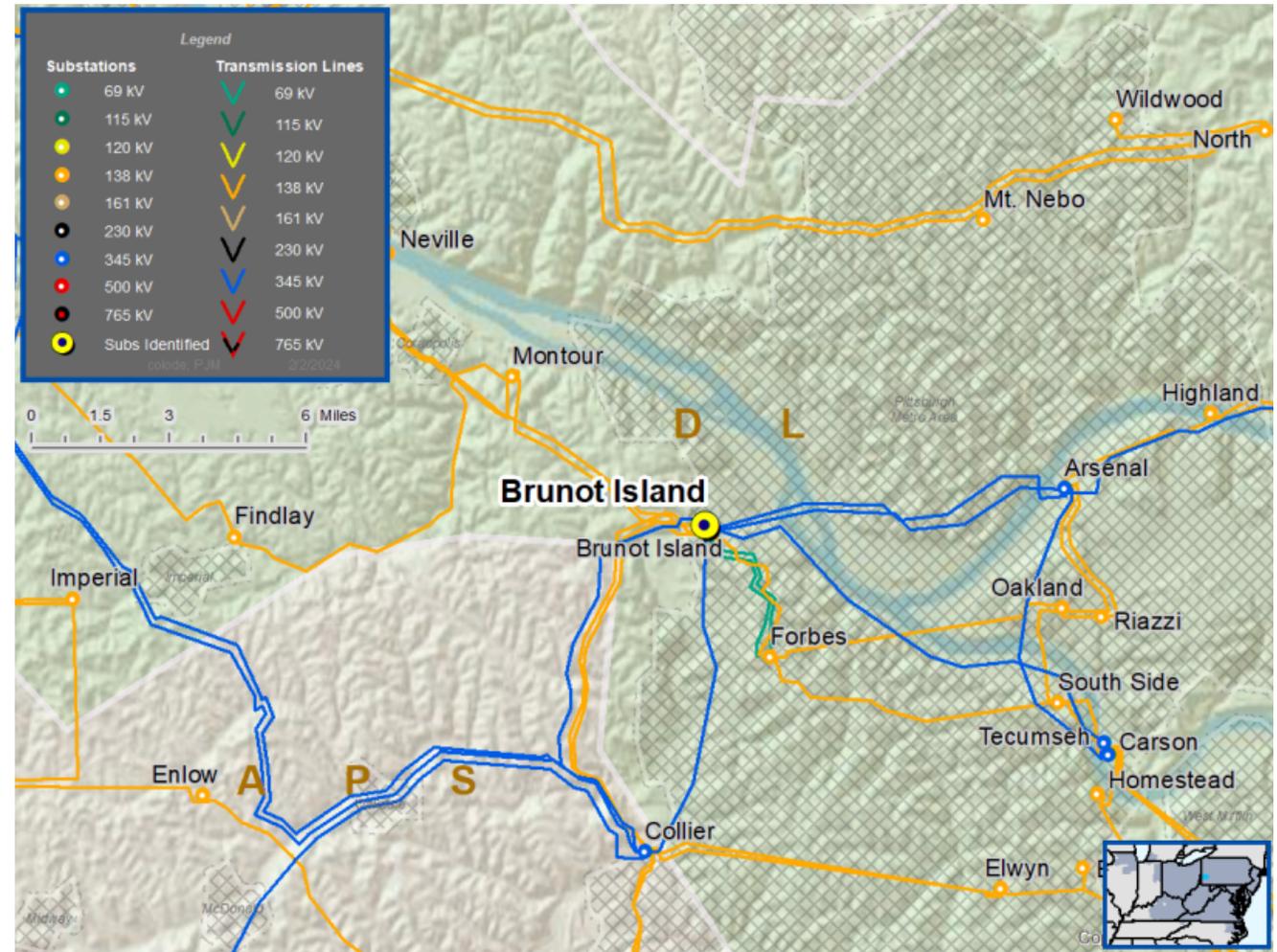
**Problem Statement:**

At Brunot Island Substation, four 138kV oil circuit breakers have increased failure probability due to:

- Equipment Age (Ages range between 45 – 50 years of age)
- Obsolescence (Spare parts are not readily available)

Ten 138 kV buses and one 69 kV bus at Brunot Island have nonredundant bus relaying schemes with increased failure probability due to:

- Equipment Age (Ages range between 40 – 50 years of age)
- Obsolescence (Spare parts are not readily available)



# 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

# DLCO Transmission Zone M-3 Process Pittsburgh, PA

**Need Number:** DLC-2023-002

**Process Stage:** Needs Meeting – 8/18/2023

**Supplemental Project Driver(s):**

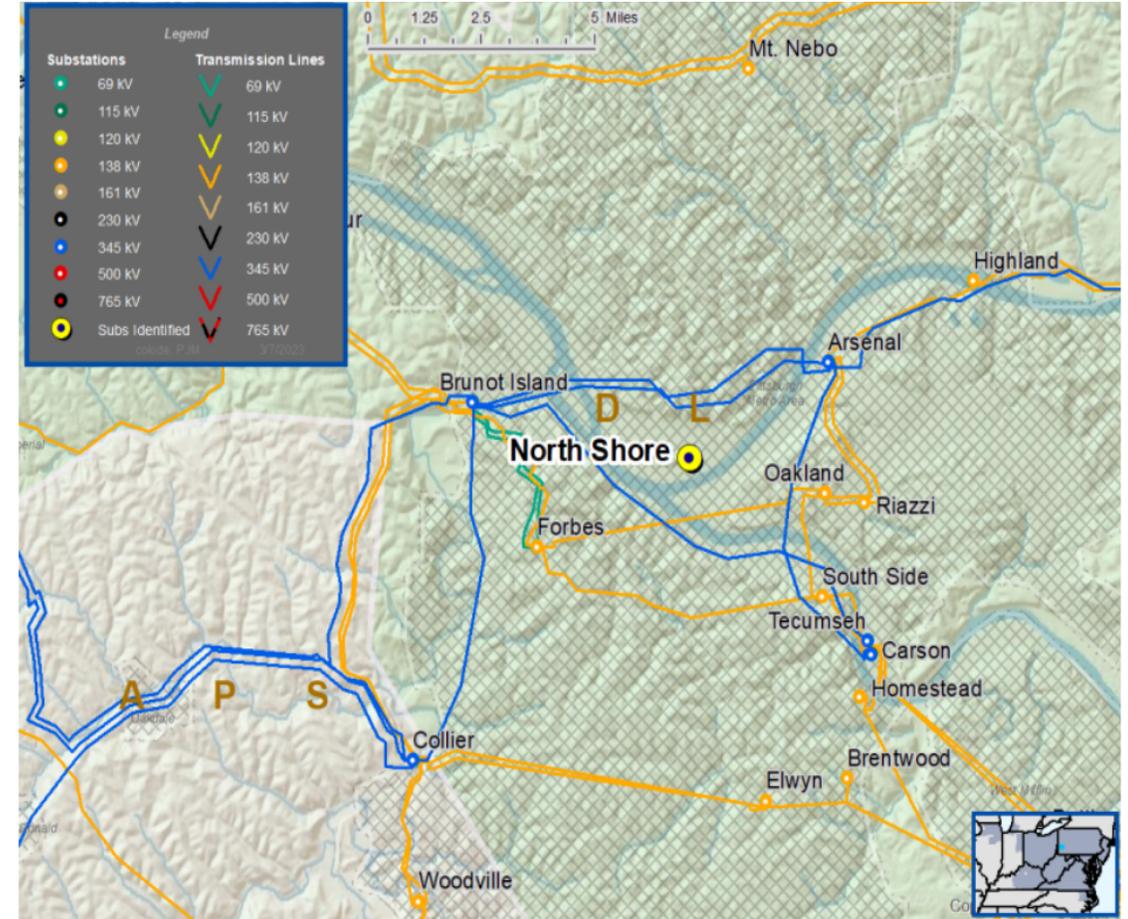
Customer Service

**Specific Assumptions Reference:**

Slide 9 of the DLC 2024 Local Planning Assumptions.

**Problem Statement:**

An industrial customer is requesting 20 MW of load at a new location within Pittsburgh’s North Shore area for a construction project. The project is expected to last for approximately 10 years. The customer’s requested in-service date is 1/1/2026.



**Need Number:** DLC-2023-002

**Process Stage:** Solutions Meeting – 2/16/2024

**Previously Presented:** Needs Meeting – 8/18/2023

**Proposed Solution:**

Establish a new substation, Veterans Bridge Substation, in the North Shore neighborhood of Pittsburgh by tapping the existing Brunot Island – Forbes 138 kV underground HPFF transmission line. Veterans Bridge Substation will supply the customer for the duration of the customer’s construction project. Veterans Bridge Substation will contain a single 138 kV breaker and 138/23 kV transformer to serve the customer’s load. Establishing Veterans Bridge Substation will require extending the Brunot Island – Forbes 138 kV 138 kV underground HPFF transmission line by approximately 50 ft.

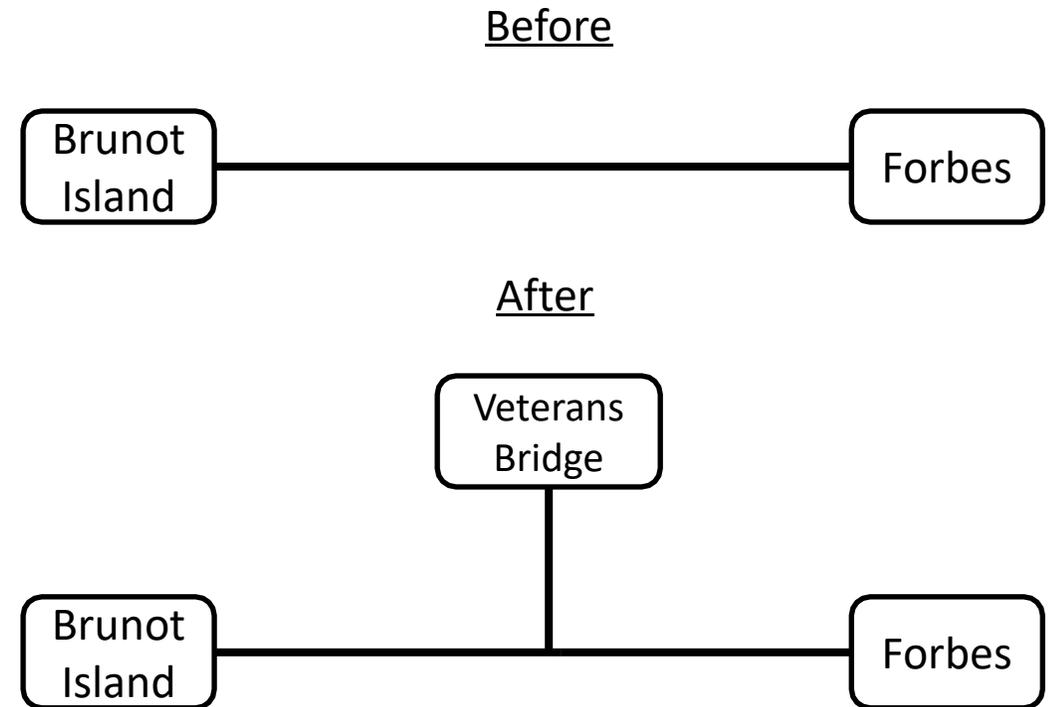
**Estimated Project Cost:** \$0 (Project to be funded by interconnecting customer)

**Alternatives Considered:**

- 1. Ring Bus Substation** – DLC considered the construction of a ring bus substation in the North Shore neighborhood of Pittsburgh as part of cancelled need DLC-2023-001. This alternative is a viable solution, but is not being pursued at this time.

**Projected In-Service:** 1/31/2026

**Project Status:** Planning



# 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

2/6/2024 - V1 – Original version posted to pjm.com