

Maritime Industrial Center Electrical Infrastructure Replacement

Electric Equipment Procurement Authorization

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CIP # C801241

Project # N06470



Overview

- Project Location
- Action Requested
- Current Condition
- Project Scope and Equipment Purchase
- Risks and Opportunities
- Schedule
- Funding



Action Requested

Request Commission authorization for the Executive Director to:

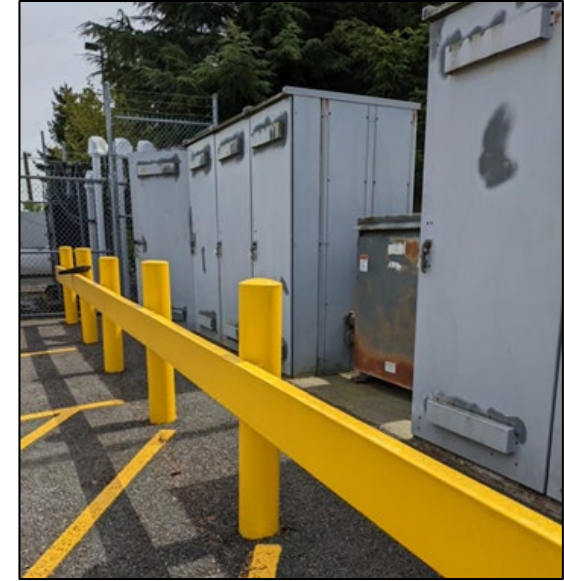
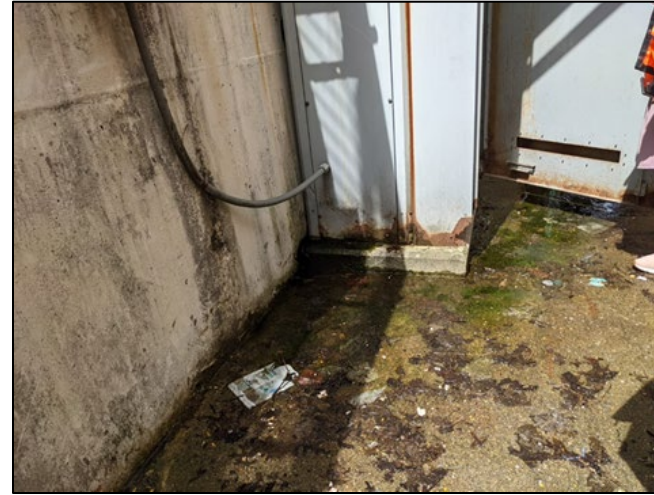
1. Proceed with early procurement of long-lead major electrical equipment for the Maritime Industrial Center Electrical Infrastructure Replacement project

Project Estimated Cost: \$6,780,000

Procurement Authorization Request: \$1,800,000

Current Condition

- Significant corrosion
- Stormwater intrusion
- Degraded protective coatings
- Decaying structural pads



Project Scope

Project Work:

- Demolition of (5) existing switchboards and associated equipment
- Install new switchboards and associated equipment
- New ducts, vaults, and electric cables

Electrical Equipment Purchase:

- Location 1: At Main Electrical – Switchgear, switchboards, transformer
- Location 2: At Mooring Pier – Switchgear, switchboard, transformer
- Location 3: At Wharf – Switchboards, transformer

Risks and Opportunities

- Risks
 - Failure of the existing electrical equipment
 - Safety risks to maintenance personnel due to degradation of equipment
 - Schedule risks
 - Supply chain constraints causing very long lead times for equipment procurement
 - Seattle City Light delays
 - Materials and equipment price volatility
 - High escalation in current construction market
- Opportunities
 - Upgraded and safe equipment with higher load capacities for future site upgrades (EV chargers, shore power, tenant changes)

Preliminary Schedule

Commission design authorization	2022 Quarter 4
Design start	2022 Quarter 4
Commission authorization for major electrical equipment procurement	2023 Quarter 1
Commission construction authorization	2023 Quarter 3
Construction start	2024 Quarter 1
In-use date	2024 Quarter 3

Funding

Cost Estimate/Authorization Summary	Capital	Expense	Total
COST ESTIMATE			
Current estimate	\$6,780,000	0	\$6,780,000
AUTHORIZATION			
Previous authorizations	\$850,000	0	\$850,000
Current request for authorization	\$1,800,000	0	\$1,800,000
Total authorizations, including this request	\$2,650,000	0	\$2,650,000
Remaining amount to be authorized	\$4,130,000	\$0	\$4,130,000

