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Item No.: 10c_Supp

Date of Meeting: June 25, 2024

Design & Construction Authorization Request:

Phase 1 Waterfront Fleet EV Charging

(C801248)

Levi Clark, Manager, Marine Maintenance Fleet and Transportation

Julie Yun, Capital Project Manager

Ryann Child, Environmental Program Manager

Action Requested

Request Commission Authorization from the Executive Director to:

1. Authorize funding to complete design and permitting;
2. Advertise, award, and execute owner-furnished equipment contract;
3. Authorize use of Port of Seattle crews and small works contracts to support the design development and construction execution.

This request is for \$5,000,000 of a total estimated cost of \$5,300,000.

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Project Drivers

- Northwest Ports Clean Air Strategy:
 - By 2030: Adopt zero-emission vehicles or use renewable fuels for passenger fleets
 - By 2050: adopt zero-emissions vehicles, equipment, and vessel fleets
- Achieve Port Scope 1&2 GHG Reduction targets: 50% below 2005 by 2030; Net Zero by 2040
 - Near-term action within Maritime Climate and Action Plan (MCAAP) & recommendation of 2021 Sustainable Fleet Plan
- RCW 70a.30.010 New Zero Emission Vehicle Requirements

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Project Background

Current State of Maritime Fleet Assets planned for electrification:

- 200 vehicle and equipment assets in • By 2030: 106 light-duty assets (class 1-the maritime fleet 4, e.g. sedans, SUVs, vans, light trucks);
- Current fuel use (2023): 16 heavy-duty assets (forklifts, boats,
 - Gasoline: 54,535 gallons hoists, personnel lifts)
 - Renewable diesel: 18,140 gallons • By 2040: Additional 15 equipment assets
 - Regular Diesel: 1,342 gallons (only use when fuel purchased offsite) • Excluded assets without known EV replacement and smaller equipment
 - 9 EVs in fleet

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Project Scope

- Scope of Work: Design, permitting, construction (demolition, trenching, conduit run, paving, wiring), equipment procurement (Up to 20 Level 2 and 2 Level 3 chargers)
- Project locations:
 1. N10372 Marine Maintenance South
 2. N10371 Marine Maintenance North
 3. N10373 Shilshole Bay Marina

- 4. N10375 P66 apron
 - 5. N10376 P69 apron
 - 6. N10374 P66 garage
 - 7. N10377 Maritime Industrial Center
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Project Cost
Cost Breakdown This Request Total Project
Design \$300,000 \$600,000
EV Charging equipment
\$1,200,000 \$1,200,000
procurement
Construction \$3,500,000 \$3,500,000
Total \$5,000,000 \$5,300,000

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Project Timeline
Activity Date
Design start 2023 Quarter 4
Design & Construction Authorization 6/25/2024
Equipment contract advertisement 2024 Quarter 3
Design complete 2024 Quarter 4
Construction start 2025 Quarter 1
In-use date 2026 Quarter 2

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Questions?

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