Item: 6D
Date: 11/17/2026



Project Authorization for Zero Emission Forklift and Yard Truck Purchase

Rick Atkinson
Director, Equipment Maintenance

Port of Tacoma Commission Meeting
Date: November 17, 2026

Port of Tacoma
People. Partnership. Performance.

Action Requested

Request project authorization in the amount of $800,000 for a total authorized project authorization of $800,000 to purchase a zero-emission forklift and yard truck, Project Identification No. #102067 and #102068.

Synopsis

Project authorization will include grant funding, WAZIP voucher funding, and Port funding. The Port has been selected to receive state DERA funding for a battery-electric forklift and yard truck based at the Port Maintenance Building.

The project will:

- accelerate replacement of 2 aging diesel units,
- reduce emissions from Port-owned equipment, and
- advance the Northwest Ports Clean Air Strategy and the Port's greenhouse gas reduction commitments.

Background

- NWPCAS vision: phase out emissions from seaport-related activities by 2050
- Port commitment: eliminate Scope 1 and Scope 2 emissions under direct control by 2040
- Within the fleet, approximately 28% of greenhouse gas emissions come from from cargo-handling equipment.
- Electrification is a central strategy for reducing emissions from the Port-owned fleet.

Project Details

BATTERY-ELECTRIC FORKLIFT

Replaces 1981 diesel forklift

15,000-pound lift capacity

Charging at Maintenance Building

BATTERY-ELECTRIC YARD TRUCK

Replaces 2003 diesel yard truck

160-horsepower diesel engine

Charging at Maintenance Building

- Procurement will include applicable federal Buy America requirements
- After delivery, both diesel units will be permanently scrapped and documented for reimbursement

Financial Summary

$800,000
Estimated total project cost

$339,750
DERA funding identified

$167,500
Anticipated WAZIP vouchers



Port funding: $334,250

Project acceptance authority requested: up to $800,000

Financial Summary

Funding source	Electric forklift	Electric yard truck	Total
State DERA grant (this request)	$137,250	$202,500	$339,750
WAZIP voucher	$23,000	$144,500	$167,500
Port funding	$189,750	$144,500	$334,250
Project total	**$350,000**	**$450,000**	**$800,000**

Action Requested

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Thank You

Questions & Discussion

Port of Tacoma

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