



THE PORT **LA**
OF LOS ANGELES

AMERICA'S PORT®

Port of Los Angeles Clean Ports Program

Presented by:

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Marine Environmental Supervisor

Presented to:
Board of Harbor
Commissioners

January 16, 2025



Requested Board Action



- Formally accept the grant award from the US Environmental Protection Agency (EPA) for \$411,688,296
- Delegate Authority to the Executive Director to execute all documents to finalize the grant award, subject to approval to form and legality by the Office of the City Attorney
- Approve the form of the Subrecipient Agreements to be entered into with Project grant subrecipients, to be finalized and executed by the Executive Director, subject to approval to form and legality by the Office of the City Attorney
- Direct Staff to submit to the Board
 1. A Receive and File action for the final documents referenced above; and
 2. A presentation of the annual report on the progress of the Project, beginning in 2026

EPA Clean Ports Program Background



- Inflation Reduction Act (2022) allocated \$3 billion for zero-emission (ZE) port projects and climate and air quality plans
- Administered by the U.S. Environmental Protection Agency
- One-time funding opportunity
- Notice of funding opportunity (NOFO) released February 28, 2024
 - \$750M of total dedicated to non-attainment areas
 - Must be a port, air quality control district, agency with jurisdiction over a port or a private entity partnering with an eligible public agency
- Two separate NOFOs:
 - ZE Technology Deployment - ~\$2.8 Billion
 - Climate and Air Quality Planning - ~\$150 Million

POLA SEA-CHANGE

Sustainable Equipment Adoption: Community, Harbor, and Neighborhood Growth & Empowerment



EQUIPMENT

Acquire

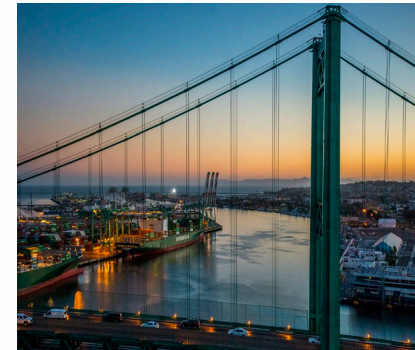
- ~400 battery electric cargo handling equipment (CHE)
 - ~250 heavy-duty drayage trucks
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INFRASTRUCTURE

Upgrade and expand ZE charging infrastructure

- ~ 300 charging ports for CHE
 - 4 power management systems & solar arrays
 - Additional shore power for auto terminal
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COMMUNITY BENEFITS

\$50 million community benefits program

- Workforce development
 - Community-directed grant program
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POLA SEA-CHANGE Cost & Benefits

- Total Project Cost = \$644,212,160
 - EPA Clean Ports Award = \$411,688,296
 - POLA match = \$128,442,432
 - Terminal match = \$104,081,432

- Estimated Annual Benefits
 - 55 tons of Nitrous Oxides (NO_x)
 - 1.5 tons of 2.5 Particulate Matter (PM_{2.5})
 - 41,500 tons of Carbon Dioxide (CO₂)
 - Over 3.5 million gallons of diesel fuel eliminated

Terminal ZE Equipment & Infrastructure



A) TraPac Terminal:

\$60 Million requested
(\$100 Million total)

- 120 Yard Tractors
- 4 Top Handlers
- Solar/Battery Energy Storage

B) Everport Marine Services:

\$145 Million requested
(\$238 Million total)

- 137 Yard Tractors
- 31 Top Handlers
- 13 Forklifts
- 168 Chargers

C) Yusen Terminal:

\$23 Million requested
(\$46 Million total)

- 10 Yard Tractors
- 12 Top Handlers
- 3 Forklifts
- Battery Energy Storage

D) Fenix Marine:

\$20 Million requested
(\$32 Million total)

- 30 Yard Tractors
- 20 Chargers

Terminal ZE Equipment & Infrastructure

E) APM Terminal:

\$50 Million requested
(\$81 Million Total)

- 40 Yard Tractors
- 9 Top Handlers
- 9 Forklifts
- 6 Other Equipment
- 64 Charges
- Solar/Battery Energy
- Storage

F) Wallenius Wilhelmsen Auto Terminal:

\$15 Million requested
(\$20 Million total)

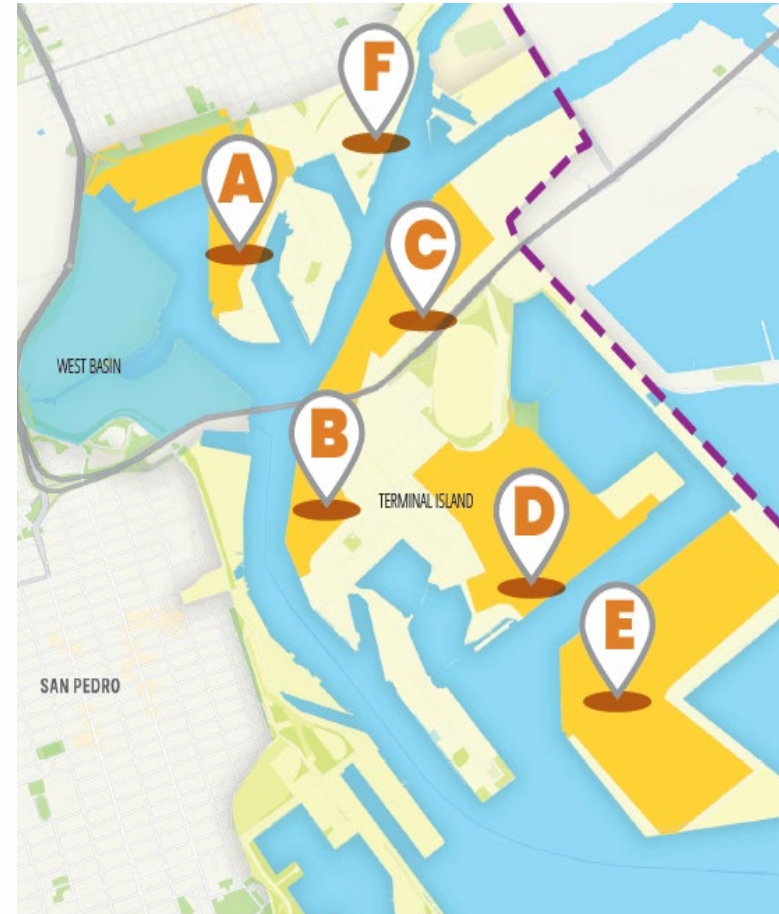
- Shore power deployment at Auto-Carrier Terminal

G) ZE Truck Program*:

\$50 Million requested
(\$75 Million total)

- 250 ZE Drayage Trucks

**Program is not limited to a specific location/site*



Harbor Community Benefits Foundation



- Harbor Community Benefits Foundation (HCBF) is a non-profit organization operating within the neighboring communities around the Port of Los Angeles
- HCBF will receive \$50 million to:
 - Conduct extensive community engagement for the whole project
 - Manage a community-driven subgrant program, within EPA's guidelines
 - Develop and implement a workforce development program
- Allocations to each task to be determined with community input



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THANK YOU



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