



THE PORT
OF LOS ANGELES 

A M E R I C A ' S P O R T ®

Los Angeles Marine Emission Reduction Project

Presented by:

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Presented to:

Board of Harbor
Commissioners

January 16, 2025



Board Items for Consideration

Staff requests Board approval of two items:

1. Grant Agreement with the California Air Resources Board (CARB) for the Los Angeles Marine Emissions Reduction Project (LA MER, Project)
 - \$30,980,376 in funding from CARB
 - \$31,471,492 in matching funds and in-kind contributions
 - Harbor Department will be financially responsible for \$650,000 of the matching funds
2. Subrecipient Agreements with Catalina Channel Express (CCE) and Harbor Breeze Corp. (HBC)

Catalina Channel Express (CCE)

- Provides High-Speed/Distance Ferry service to Catalina Island
- Deployment of a new Passenger Ferry with Tier 4 Engines and DPF
 - Cleanest Available technology for the demanding duty cycle
 - Requires a DPF that has been verified by CARB and approved by USCG at the time of engine installation
- Replaces three smaller ferries currently operating with Tier 2 and Tier 3 engines



Harbor Breeze Corp. (HBC)

- Two Zero-Emission Capable Hybrid Excursion Boats
- Expected to exceed the definition of Zero Emission and Advanced Technology (ZEAT) vessels under the CARB Harbor Craft Regulation
- Renewable-diesel powered Tier 4 propulsion engines, will be able to operate a minimum of 30% of the time in zero-emission (ZE) mode with some trips operating as much as 100% of the time in ZE mode
- Although not part of the Project, HBC also will install shore power at a public wharf to serve the ZE capable excursion boats



Harbor Department Responsibilities

- As the recipient of the Grant, the Harbor Department is responsible for \$650,000 in match share funding, distributed amongst the following tasks:
 - Collect and Analyze demonstration emissions data (\$250,000)
 - The Harbor Department, with consultant support, will develop a report on Next Generation Harbor Craft Technology (\$250,000) that will:
 - Evaluate the commercial status of emission-reduction technologies;
 - Assess the feasibility of marinizing DPFs;
 - Identify infrastructure gaps for ZE harbor craft;
 - Gain understanding of workforce development needs specific to tugs, ferries, and pilot boats operating in San Pedro Bay
 - Sponsor education/outreach tours on the deployed Excursion Boats (\$90,000)
 - Project Administration and Reporting (\$60,000)

Staff Recommendation

Project Goals:

- Advance the understanding of cutting-edge harbor-craft technologies for the future
- Evaluate next-generation technologies that could be feasible for tugboats, ferries, and pilot vessels operating in San Pedro Bay

Staff recommends to approve both the Agreement with CARB and the Subrecipient Agreements with CCE and HBC.



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