



THE PORT
OF LOS ANGELES **LA**

A M E R I C A ' S P O R T ®

Los Angeles Marine Emission Reduction Project

Next Generation Harbor Craft Technology Evaluation

Presented by:

Lisa Wunder
Acting Director of Environmental
Management

Presented to:

Board of Harbor
Commissioners

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Next Generation Harbor Craft Technology Evaluation

- The goal of the *Next Generation Harbor Craft Technology Evaluation* is to develop a white paper evaluation/feasibility assessment (Report) of emission-reduction technologies for ferries, pilot boats, and tugboats
- The Report will focus on the specific duty cycles found in San Pedro Bay for ferries, pilot boats, and tugboats
- The Report will incorporate the most updated findings from engine manufacturers and technology developers
- The Report will incorporate findings and lessons learned from the LA MER demonstration project, as applicable

Next Generation Harbor Craft Technology Evaluation

- The Report will include:
 - Commercial Market Summary to evaluate the commercial status of emission-reduction technologies;
 - Diesel Particulate Filter (DPF) Marinization Review to assess the feasibility of DPFs in a marine environment;
 - Manufacturer Request For Information (RFI) to understand the status and future prospects for next-generation emission-reduction technologies and low- and no-carbon marine fuels;
 - Infrastructure Assessment to identify infrastructure gaps for zero-emission harbor craft;
 - Workforce Data Collection to gain understanding of workforce development needs specific to tugs, ferries, and pilot boats operating in San Pedro Bay
 - In collaboration with stakeholders (including harbor craft operators, labor unions and as needed workforce development agencies) to develop a potential workforce training program focused on occupations related to harbor craft

Catalina Channel Express and Harbor Breeze Corp.



- Once the vessels are ready for deployment, Catalina Channel Express (CCE) and Harbor Breeze Corp. (HBC) will train existing employees in the use of their new advanced harbor craft
- Training protocols, safety procedures, and lessons learned will be analyzed for the Report

Financial Breakdown for the *Next Generation Harbor Craft Technology Assessment*

4	Technology Evaluation	Match Funds
4.1	Commercial Market Summary	\$50,000
4.2	DPF Marinization Report	\$25,000
4.3	Engine Manufacturer RFI	\$15,000
4.4	ZE Infrastructure Assessment	\$100,000
4.5	Roundtable Workshop	\$10,000
4.6	Final Evaluation Report	\$300,000
5	Workforce Data Collection	\$25,000
	Total	\$525,000
	* \$275,000 in Match Funds from the Harbor Department and \$250,000 from the City of Long Beach	



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