

SAN PEDRO BAY PORTS

CLEAN AIR ACTION PLAN

Clean Air Action Plan Implementation Progress Report Second Quarter 2018

ACCOMPLISHMENTS

GENERAL

- The Ports continue to prepare a 1990 baseline greenhouse gas emissions inventory. The inventory will be used to gauge progress toward the 2030 and 2050 greenhouse gas goals identified in the 2017 CAAP Update. The baseline inventory is expected to be completed in Fourth Quarter 2018.
- The Ports held their second CAAP Implementation Advisory Working Group meeting on June 26 in San Pedro. Meetings are planned quarterly.

TRUCKS

- ***New Registration Requirements for MY 2014 Trucks.*** Both Ports received Board approval to amend their respect Tariffs in order to ensure that new trucks entering the Port Drayage Truck Registry meet 2014 model year or better. This Tariff change is scheduled to take effect on October 1, 2018.
- ***Feasibility Assessment for Trucks.*** The Ports' consultant has begun data gathering in preparation for the Draft Report. A survey to drayage truck OEMs was sent to 17 different manufacturers. Responses have been received and are being analyzed.
- ***Truck Rate Study.*** The Ports have developed and refined a Scope of Work to be sent out to various consulting firms with the economic expertise to prepare the Study. The Ports plan to choose the consulting firm to begin preparing the Study in Q3 2018. A draft report is expected in Q1 2019.
- ***Zero-Emission Pilot Truck Demonstration.*** The Ports have developed a conceptual level scope for demonstrating a large-scale deployment of 50 to 100 zero-emission trucks in drayage truck operations. A survey was sent to trucking companies in the Ports' Drayage Truck Registry to gauge their interest in participating in the demonstration. The Ports have also begun preparing an information request to distribute to zero emission truck manufacturers in Q3 2018. Additionally, the Ports plan to hold a workshop in Q3 2018 to provide information and discuss the conceptual scope for the demonstration.

TERMINAL EQUIPMENT

- ***Feasibility Assessment for Terminal Equipment.*** The Ports' consultant has begun collecting and analyzing data. A survey was sent to zero and near-zero cargo handling equipment manufacturers and discussions are underway with the marine terminal operators.
- ***Early Deployment and Demonstrations.*** The Ports are managing several grant funded demonstration projects, including electric and fuel cell yard hostlers, electric top handlers, and electric rubber-tired gantry cranes, as well as innovative approaches to

charging infrastructure and demonstration of supporting electrical infrastructure including microgrid controls with distributed generation and battery storage. The Ports continue to apply for funding to support zero-emissions deployment.

SHIPS

- ***At-Berth Emission Control Systems.*** The Ports, through the Technology Advancement Program (TAP) released a request for proposals (RFP) for at-berth emission control systems in December 2017. The application deadline closed in February 2018. The Ports received only one complete proposal before the application deadline. As a result, the Ports re-released the RFP on March 20, 2018 and received 4 proposals. The Ports and the TAP Advisory Committee evaluated the proposals and the Ports anticipate presenting their recommendation to their Boards in Q3 2018.
- ***Vessel Speed Reduction Enhancements.*** The Ports have begun outreach to the shipping lines to explore ways of enhancing participation at the 40 nm marker for vessel speed reduction. This includes preparing alternative compliance plans for interested shipping lines.
- ***Ship Incentive Programs.*** The Ports continue to collaborate with other West Coast ports on ways to enhance participation in our clean ship incentive programs.

OTHER

- ***Harbor Craft.*** Through a previously issued RFP and competitive review process conducted through the TAP, the Ports have selected a technology developer to install and test an emission-control device on a tugboat. The contract with Nett Technologies is expected to come before each Board of Harbor Commissioners in Q3 2018 with the demonstration to begin soon after.
- ***TAP Call For Projects.*** In Q2 2018, the Ports issued a call for projects through the TAP. Eighteen proposals were received, and are currently being evaluated by the Ports and the TAP Advisory Committee.

PLANNED ACTIONS NEXT QUARTER

- Continue preparing the Draft Truck and Terminal Equipment Feasibility Assessments.
- Select an economist to prepare the Truck Rate Study.
- Prepare and distribute Frequently Asked Questions regarding the Clean Truck Program Tariff Amendment for new registration requirements for MY 2014 or newer trucks to the trucking community.
- Hold a Workshop on the proposed 50 to 100 Zero Emission Truck Demonstration.
- Select a technology provider for the at-berth emission control systems RFP.
- Submit applications in response California Air Resources Board's Zero and Near-Zero Emission Freight Facilities Project.