

# SAN PEDRO BAY PORTS

# CLEAN AIR ACTION PLAN

## Clean Air Action Plan Implementation Progress Report Fourth Quarter 2018

### ACCOMPLISHMENTS

#### GENERAL

- The Ports have released their 1990 baseline greenhouse gas emissions inventory results; the 1990 GHG emissions have been estimated at 1,511,975 million metric tons of CO<sub>2</sub>e. This baseline will be used to gauge progress toward the 2030 and 2050 greenhouse gas goals as identified in the 2017 CAAP Update. The baseline inventory report is expected to be available on the CAAP website in the First Quarter 2019.
- The Ports held their fourth CAAP Implementation Advisory Working Group meeting on December 19 in Wilmington. Meetings will continue to occur quarterly in 2019.

#### TRUCKS

- **2018 Tariff Modification.** The new registration requirements for MY 2014 trucks took effect on October 1 2018. All new trucks entering the Port Drayage Truck Registry (PDTR) must meet 2014 model year or better. Pre-2014 trucks already registered in the PDTR have been grandfathered into the fleet and are allowed to continue to operate.
- **Feasibility Assessment for Trucks.** The Ports' released the Draft Drayage Truck Feasibility Assessment on December 18, 2018. The draft report assesses emerging zero-emission and near-zero emission fuel-technology platforms for 2018-2021 based on five essential parameters. The public comment period ends on Wednesday, January 23, and the Final Drayage Feasibility Report is expected in the First Quarter 2019.
- **Truck Rate Study.** The Ports selected Davies Transportation Consulting, Inc. to conduct the truck rate study (Study) and work has commenced. The goals of the study are to analyze potential for cargo diversion over a range of rates, examine the potential effect on the local drayage industry, and identify potential revenues that might be generated. The Study is expected to be completed in the Second Quarter 2019.
- **Rate Collection Mechanism.** In anticipation of the Truck Rate, the Ports plan to release a Request for Proposals (RFP) in the First Quarter 2019, which will include minimum requirements for how to collect a rate from Beneficial Cargo Owners. A Pre-Solicitation Information Session for potential proposers is scheduled for January 24, 2019. The RFP is planned to be released in mid-February.
- **Large-Scale Zero Emission Truck Deployment Pilot Project.** 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. This project will also evaluate the ability of truck manufacturers to produce and support large numbers of zero-emission trucks as well as the infrastructure requirements to support larger deployments. The Ports will finalize the scope of work and prepare a Concept Paper which will be utilized to help the Ports to secure the necessary funding for this Project.

- **Early Deployment and Demonstrations.** The Ports continue to manage several grant-funded demonstrations of zero-emissions trucks, including over 20 hydrogen fuel-cell or battery electric trucks as part of supply-chain pilots. The Ports have also committed to supporting regional demonstrations, including a near-zero natural gas drayage trucks deployment project through a CEC grant secured by AQMD that is expected to fund up to 140 low NO<sub>x</sub> trucks.

## TERMINAL EQUIPMENT

- **Feasibility Assessment for Terminal Equipment.** The Ports' consultant is finalizing the Draft CHE Feasibility Assessment and it is expected to the public for review and comment in the First Quarter 2019.
- **Early Deployment and Demonstrations.** The Ports continue to manage several grant funded demonstration projects, including electric and hydrogen fuel-cell yard trucks, electric top handlers, and electric rubber-tired gantry cranes, as well as innovative approaches to charging infrastructure and demonstrations of supporting electrical infrastructure, including microgrid controls with distributed generation and battery storage.

## SHIPS

- **Vessel Speed Reduction Enhancements.** The Ports are continuing 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

- **Clean Harbor Craft Program.** Recognizing the need to reduce harbor-craft-related emissions, the Ports have created a Program to consider new opportunities for transforming the fleet that services the Ports. CARB has proposed amendments to the commercial harbor craft regulation, and the available incentive funding and technology advancement through demonstrations will drive the turnover to a cleaner and more efficient fleet. The Ports' harbor craft program is expected to conduct outreach, provide grants for Tier 4 or other advanced technologies as well as manage demonstrations, such as the ongoing Nett Technologies emission-control device tugboat project.
- **Technology Advancement Program (TAP).** Earlier this year, the Ports issued a call for projects through the TAP. The selected proposals are being finalized by the Ports and projects will commence in 2019. Also, the 2018 TAP Annual Report is being finalized and is expected to be posted to the Clean Air Action Plan website in the First Quarter 2019.

## PLANNED ACTIONS NEXT QUARTER

- Release the Final Drayage Truck Feasibility Report
- Release the Draft CHE Feasibility Assessment for public comment
- Release an RFP and hold a workshop for the Rate Collection Mechanism
- Release the 2018 TAP Annual Report
- Announce the TAP winning proposals to the Call for Projects

