

# SAN PEDRO BAY PORTS

# CLEAN AIR ACTION PLAN

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

### ACCOMPLISHMENTS

#### GENERAL

- The Ports have engaged Starcrest Consulting, LLC, to conduct a baseline greenhouse gas emissions inventory. The inventory will be used to gauge progress toward the new 2030 and 2050 greenhouse gas goals. The inventory is expected to be complete in Fourth Quarter 2018.
- The Ports held their first CAAP Implementation Advisory Working Group meeting on March 29. Meetings are planned quarterly.

#### TRUCKS

- ***New Registration Requirements for MY 2014 Trucks.*** The Ports have begun drafting language to ensure that new trucks entering the system meet at least 2014 model year emissions standards. It is anticipated these tariff changes will come to each Board of Harbor Commissioners by July 2018 with an effective date of October 1, 2018.
- ***Feasibility Assessment for Trucks.*** The Ports have selected Tetra Tech to develop the feasibility assessment for on-road drayage trucks. The Ports also have selected Starcrest Consulting Group and the National Renewable Energy Lab to conduct third-party review of the assessments. Tetra Tech has begun to develop the scope, feasibility metrics, and schedule for the assessments.
- ***Truck Rate Study.*** The Ports have selected Tetra Tech to develop the study that will identify the appropriate rate to be assessed on non-compliant trucks beginning in 2020. Tetra Tech is in the process of identifying the economist that will help assess the rate's potential economic impacts on the trucking industry.
- ***Zero-Emission Pilot Truck Demonstration.*** The Ports have begun to develop a scope for demonstrating 50-100 zero-emission trucks in pilot service and are actively seeking grant opportunities to support this demonstration.
- ***Early Deployment of Near-Zero Trucks.*** The Ports partnered with the South Coast Air Quality Management District (SCAQMD) on a grant application to accelerate the deployment of near-zero emissions trucks in 2019. Additionally, the Ports assisted SCAQMD in reaching out to trucking companies to advise of the Proposition 1B Funding Program and other upcoming grant opportunities. The Ports are coordinating with SCAQMD on a larger funding workshop for near-zero and zero-emissions trucks once more funding becomes available, probably some time in the summer.

## TERMINAL EQUIPMENT

- **Feasibility Assessment for Terminal Equipment.** The Ports have selected Tetra Tech to develop the feasibility assessment for terminal equipment. The Ports also have selected Starcrest Consulting Group and the National Renewable Energy Lab to conduct third-party review of the assessments. Tetra Tech has begun to develop the scope, feasibility metrics, and schedule for the assessments.
- **Early Deployment and Demonstrations.** The Ports are managing several 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 actively seek funding to support zero-emissions deployment.

## SHIPS

- **At-Berth Emission Control Systems.** The Ports 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 have re-released the RFP, which is now due April 26, 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.
- **Ship Incentive Programs.** The Ports continue to collaborate with other West Coast ports on ways to enhance participation in our clean ship incentive programs. More information on the Port of Long Beach Green Ship Incentive Program can be found at [www.polb.com/greenship](http://www.polb.com/greenship) and the Port of Los Angeles Environmental Ship Index can be found at <https://www.portoflosangeles.org/environment/progress/initiatives/environmental-ship-index/>.

## OTHER

- **Harbor Craft.** The Ports have initially 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 Second Quarter 2018 with the demonstration to begin soon after.
- **Rail.** The Ports continue to work with VeRail on a near-zero-emissions switcher locomotive capable of zero-emission track miles. Additionally, Pacific Harbor Line, the Ports switcher locomotive company, is actively testing a Tier 4 locomotive.
- **On-Dock Rail.** The Port of Long Beach certified the environmental document for the Pier B On-Dock Rail Support Facility, which is expected to support greater use of on-dock rail.

## PLANNED ACTIONS NEXT QUARTER

- Begin development of baseline greenhouse gas emissions inventory.
- Begin data-gathering and research for truck and terminal equipment feasibility assessments.

- Select an economist for the truck rate study and begin development of the scope and data collection needs and conduct initial research.
- Bring the tariff amendment with the 2014 MY truck new registration requirement to each Board in late June or early July.
- Close the at-berth emission reduction RFP and select a technology provider.
- Issue a “call for projects” under the Technology Advancement Program for innovative emission-reduction technologies.
- Submit applications in response to grant opportunities currently available through California Air Resources Board and South Coast Air Quality Management District for technology demonstration and deployment.
- Continue to coordinate with SCAQMD on early near-zero truck deployments.