AAPA Environmental Committee
CAAP 2017 UPDATE
2017 CAAP Update – Background and Purpose

• Build on successes and plan for the future
• Ports must be green in order to continue to grow
• Must continue to reduce pollutants and health risk
• New danger from Climate Change
• CAAP is a planning document
Guiding Principles

- Expeditiously reduce air emissions and associated health risk
- Remain economically competitive and maintain our market position
- Support our vibrant workforce
- Continue to develop and foster strong partnerships with all stakeholders
- CAAP implementation process must be transparent and responsive to input
New CAAP Focus on Greenhouse Gases

- 2005: 18%
- 2016:
- 2030: 40%
- 2050: 80%
Ocean-Going Vessels

- Capture up to 100% of vessel at-berth emissions by 2030
- Modify Vessel Speed Reduction Program to maximize participation to 40 nm
- Incentivize energy-efficiency improvements and use of cleaner technologies
- Impose differential rate system to incentivize newer, cleaner vessels
Heavy-Duty Trucks

- Transition trucks to near-zero in the near-term and ultimately zero emissions by 2035
- Implement Port Truck Reservation System
Terminal Equipment

- Transition terminal equipment to zero emissions by 2030
- Establish a terminal equipment idling reduction program
- Develop charging standards for electric terminal equipment
Additional 2017 CAAP Update Strategies

• Incentivize harbor craft repowers to Tier 3 and Tier 4
• Expand use of on-dock rail
• Develop a Green Terminal Program
• Identify and implement supply chain efficiencies
• Develop and implement energy strategies and supporting infrastructure
Feasibility Assessments

- Technical Viability
- Operational Feasibility
- Availability of Supporting Infrastructure and Fuels
- Economic Considerations
- Commercial Availability
Cargo Handling Equipment

- Goal of zero emission cargo handling equipment by 2030
- Participate in development of CARB’s regulation to achieve up to 100% ZE for CHE by 2030
- Conduct feasibility assessments starting in 2018 and updating every three years
Cargo Handling Equipment

• Terminals to submit an equipment inventory and 10-year procurement schedule for new equipment starting January 1, 2019.

• Beginning in 2020, new purchases must be zero-emission, or best available if zero-emission is not yet feasible, as determined by the Feasibility Assessment.

• Accelerate deployment of near-zero and zero-emission equipment through leases and grants.
New Clean Trucks Program Timeline

- **2018**: New Registration Requirement for MY 2014+
- **2020**: Initiate Rate with Exemptions for NZE & ZE
- **2023**: New Registration Requirement for NZE
- **2035**: Goal for all trucks to be ZE
  - Modify Rate with Exemptions only for ZE
Next Steps

- CAAP Implementation Advisory Workgroup
- Technology Demonstrations
- Feasibility Assessments
- Clean Trucks Program
- Port Truck Reservation System
- Terminal Equipment
- Funding Advocacy