Community Workshop

OCTOBER 14, 2015
San Pedro Bay Ports
Premier gateway for U.S-Asia trade, major Southern California economic engine
Clean Air Action Plan

The Ports lead the way in reducing impacts of Port operations with the Clean Air Action Plan.

- Banned older trucks
- 95% pollution reduction
- Upgrade completed 2 years early

Heavy-Duty Trucks

Banned older trucks
95% pollution reduction
Upgrade completed 2 years early
Ocean-Going Vessels

- Vessel Speed Reduction
- Clean Ships
- Shore Power
- Cleaner Fuels
Cargo-Handling Equipment

Electric equipment

Replacements ahead of regulation
Harbor Craft

World’s only hybrid tugboat
Engine upgrades ahead of regulation
Locomotives

Cleaner engines
Increased on-dock rail
2014 Air Emissions Inventory

- Diesel Particulate Matter: DOWN 85%
- Nitrogen Oxides: DOWN 51%
- Sulfur Oxides: DOWN 97%
- Greenhouse Gases: DOWN 18%
- TEUs: 7%
CHALLENGES AHEAD

• Rising cargo growth
• Maintaining emission reductions
• No new state or federal regulations on the horizon
• Substantial fleet turnovers unlikely
• Few commercialized clean-air technologies

No more “easy” strategies
CLEAN AIR ACTION PLAN: THE FUTURE

- Mobile source strategies
- Zero emissions/near-zero emissions
- Greenhouse gases
- Energy
- Supply chain efficiencies
REACHING OUT TO OUR PARTNERS

• Industry groups
• Shipping lines, terminals, harbor craft operators, trucking companies, rail
• Regulatory agencies
• Environmental Protection Agency, Air Resources Board, South Coast Air Quality Management District
• Environmental organizations
• Community groups
WHAT WE’VE HEARD

• Need more emission reductions and new goals
• Significant investments have already been made
• No commercialized zero-emissions technologies
• New technologies can pose operational challenges
WHAT WE’RE WRESTLING WITH

• How do we get to zero-emissions?
• How do we prioritize our air strategies for the community?
• How do we balance the environment with economic competitiveness?

Once we answer these questions...
...what strategies do we employ?
TODAY’S ACTIVITY – HELP US ANSWER THESE QUESTIONS

• How do we get to zero emissions?
  – Opportunities? Challenges?
  – Strategies? Tools?

• How do we prioritize our strategies?
  – Strategies to address local impacts? Regional emissions? Greenhouse gases?

• How do we balance environment and economy?
  – Incentives? Market-based strategies?
  – Efficiencies?
NEXT STEPS

• Today’s meeting notes posted on CAAP Website
• Concepts to be released in 2016
• Ongoing outreach – more opportunities to provide feedback

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