



## Sea Change: Green Leases & Environmental Programs at North American Ports

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Faster Freight Cleaner Air Conference – 9:00 am Session  
Long Beach Convention Center  
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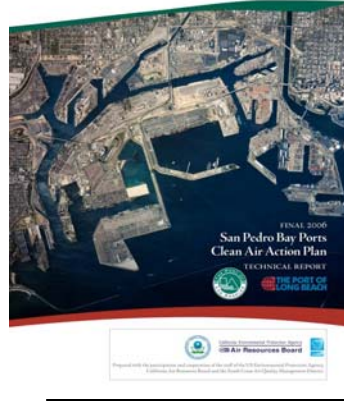
## New Dynamic Regulations vs. Local Health Effects

- Diesel Particulate Matter (DPM) – Identified as an Air Toxic by California Air Resources Board (CARB)
- National regulations on port-related sources are falling short for San Pedro Bay Ports w/regard to reducing Health-Risk & mass emissions
- International emissions regulations for ships = Tier 0
- Health-Risk & 'Fair Share' emissions reductions are #1 challenge



## New Approach San Pedro Bay Ports Clean Air Action Plan

- Many firsts
- Goal: Reduce Health-Risk & 'Fair Share' emissions to allow continued modernization of terminals to meet expected cargo volumes
- Introduces 'Green Leases' as one implementation option



## Green Leases Local Leverage

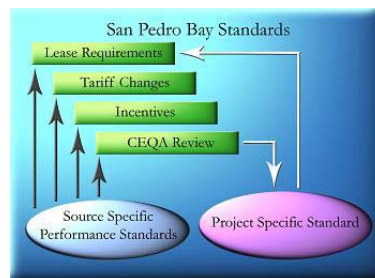
- Green Leases as an implementation method

### Pros:

- ✓ 'Locks in' emission reductions to a binding agreement
- ✓ Gives Regulators 'Warm & Fuzzy' feeling

### Cons:

- ✓ Competitive advantage/ disadvantage depending on when lease expires





## Green Leases

### What Elements Will Be Included?

- As the primary implementation strategy
  - ✓ Vessel Speed Reduction
  - ✓ At Berth Emissions Reductions (AMP or equivalent)
  - ✓ Cleaner Auxiliary & Main Engine Fuels
  - ✓ Cargo Handling Equipment Fleet Turnover
  - ✓ New & Redeveloped Rail Yard Standards
- As a secondary/back-up implementation strategy
  - ✓ Clean Trucks
  - ✓ Main & Auxiliary Engine Improvements
- Danger of 'Balkanization' for maritime industry



## The Bigger Picture

### Efforts to Engage International Trading Partners

- Thanks USEPA & US Maritime Administration!!
- Together, We've Opened the Pan-Pacific & International Dialogue -
  - ✓ Pacific Ports Clean Air Collaborative
  - ✓ Signed Agreements Several Pacific-Rim Ports to Collaborate
  - ✓ Engaging IAPH & IMO
  - ✓ Staff Exchange w/
    - Shanghai Municipal Port Administrative Center & Shanghai Environmental Protection Bureau
  - ✓ Engaging ISO on Standardization of AMP
  - ✓ Working w/Hong Kong on Incorporating AMP
- Still More to Do!





## Summary

### A New Dynamic & A New Direction

- Health-Risk Adds New Dynamic to Air Quality Management & How to Address Emissions
- Strong International Regulations on International Sources – Will Probably be Too Late for Places Like California
- Open Dialogue Needs to Continue & Increase on Air Quality Issues Internationally
- Port of Los Angeles is Engaged & Committed



## Contact Info

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