

A CLEANER PORT.
A BRIGHTER
FUTURE.



AIR

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

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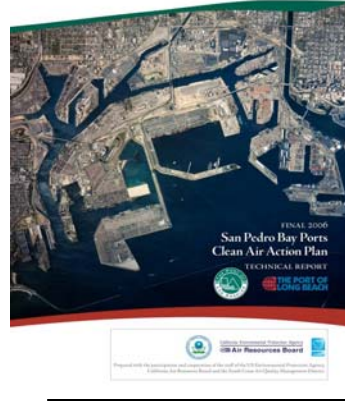
New Dynamic Regulations vs. Local Health Effects

- 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



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