

A CLEANER PORT.
A BRIGHTER
FUTURE.



Partnering with Pacific Rim Ports on Clean Air Strategies

Environmental Management Division
Port of Los Angeles

Faster Freight Cleaner Air 2006 Conference
Case Studies on Successful Partnerships & Collaborations Session
31 January 2006



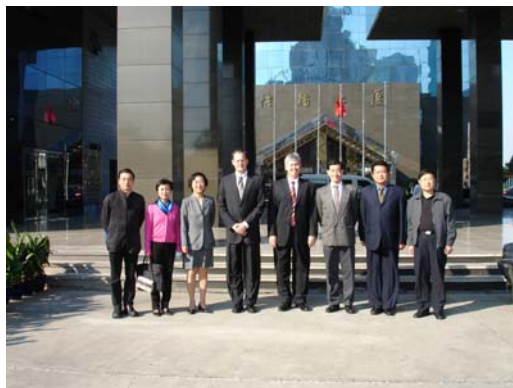
AIR

A CLEANER PORT.
A BRIGHTER
FUTURE.



Partnering w/Pacific Rim Ports Overview

- The Realization – You Can't Do It Alone
- Working Towards Solutions – Collaboration Initiatives
- Into The Breach – Next Steps



AIR



The Realization

You Can't Do It Alone

- City of Los Angeles' NNI Process
 - ❑ One Year Intensive Unconstrained Evaluation
 - ✓ Multi-Participant (Everyone & the Kitchen Sink)
 - ✓ 1,000s of Hours
 - ✓ Based on Unconstrained Cargo Growth
 - ✓ 68 Measures Covering 5 Source Categories
 - ✓ ~16 Billion Dollars Over 20 Years
 - ✓ ~10 Billion Dollars for Ocean-Going Vessels Alone
- Realization
 - ❑ Conclusion: It Takes a Village with a LOT of Money
 - ❑ OGVs Represent ~36% NOx, ~56% PM (2001 EI)
 - ❑ The Port of Los Angeles Can Not Do It Alone



Working Toward Solutions

Collaboration Initiatives

- Port's Collaboration Strategy
 - ❑ Ports
 - ❑ Terminal Operators
 - ❑ Fuel Providers
 - ❑ Engine Manufacturers
- Initial Focus On Ports
 - ❑ Find Out What Other Trading Partners Are Doing
 - ❑ Determine Willingness to Collaborate on Air/Environmental Issues
 - ❑ Learn from Each Other's Programs
 - ❑ Work Jointly to Develop/Evaluate Potential Port Policies & Measures (Initially Focusing on OGVs)
 - ❑ Avoid Boutique Strategies Between Ports
 - ❑ Better Understand Fuel Availability & Limitations
 - ❑ Formation of a Pacific Ports Air Quality Collaborative



Working Toward Solutions

Collaboration Initiatives - Ports

➤ Port Initiatives

❑ Shanghai Initiatives

- ✓ Received MARAD Grant w/Technical Support from EPA
- ✓ Signed Letter of Intent
- ✓ First Successful Delegation Completed November 2005
- ✓ Staff Exchanges
- ✓ Pacific Ports Air Quality Collaborative
- ✓ Mayor's Initiative

❑ Teaming with Marketing Department

- ✓ Leverage Synergies Between Env. and Marketing/International Staff
- ✓ Utilize Established Agents & Contacts
- ✓ Poll Other Pacific Ports to Determine Interest



Working Toward Solutions

Collaboration Initiatives – Pacific Ports/Fuel Providers

➤ Port Initiatives (cont'd)

❑ Pacific Ports Air Quality Collaborative

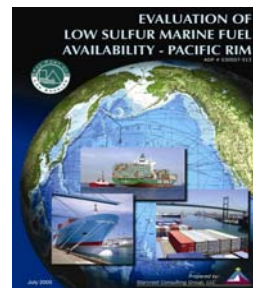
- ✓ Port Centric Focus
- ✓ EPA Region IX Grant Through West Coast Diesel Collaborative
- ✓ Encourage Communications & Collaboration on Air Quality Issues Between Ports Around the Pacific Rim
- ✓ Provide the Opportunity for Port Staff Exchanges
- ✓ Where Possible, Provide a Common Voice on Recommendations from the Group on Air Quality Issues, Suggested Control Strategies, & Technical Methods

➤ Focus on Fuel Providers

- ❑ Pacific Fuels Availability & Distribution
- ❑ Barriers to Market
- ❑ Identify Collaborative Opportunities

➤ Port Initiatives

- ❑ 2005 Evaluation of Low Sulfur Fuels
- ❑ Realigning Initiatives





Working Toward Solutions

Collaboration Initiatives – Engine Manufacturers

- Focus on Engine Manufacturers
 - ❑ “ZP Memorial Blue Sky Measure”
 - ❑ Main & Auxiliary Engine Operations
 - ❑ Fuels & Lube Oils
 - ❑ Current & Future Engine Technologies
 - ❑ Verification
 - ❑ Collaboration Opportunities
- Port Initiatives
 - ❑ Just Getting Started!



Into the Breach

Next Steps

- Second Asia Delegation Trip
 - Nagoya
 - Tokyo
 - Pusan
 - Shanghai
- Form Pacific Ports Air Quality Collaborative
- Meeting w/Rotterdam
- Meetings w/MAN B&W & Wartsilla
- Complete POLA Clean Air Plan
- Planning for First Meeting of Pacific Ports Air Quality Meeting
- Get All My Other Work Done I was Supposed to be Doing



A CLEANER PORT.
A BRIGHTER
FUTURE.



AIR

Contact Info

Paul Johansen
Assistant Director of
Environmental Management

Port of Los Angeles

310.732.3678

pjohansen@portla.org

