In an Economic Crisis, Can We Still ‘Grow Green’?

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Executive Director
What I’m here to talk about

• How can we balance our economic and environmental challenges?

• How can we ensure sustainable trade growth?
Who we are

America’s 2\textsuperscript{nd} busiest container port

$140 billion in trade

Leading gateway for U.S. – Asia trade
Top world container ports

1. Singapore  29.9
2. Shanghai    28.0
3. Hong Kong  24.2
4. Shenzhen  21.4
5. LB/LA      14.3
6. Busan      13.4
7. Dubai      11.8
8. Ningbo    12.0
9. Guangzhou  11.0
10. Rotterdam 10.8
16. Los Angeles 7.8
17. Long Beach  6.5

* Based on 2008 rankings, millions of twenty-foot equivalent units (TEUs)
Anxious consumers are not buying furniture, clothing, toys, cars...
Declining trade

POLB/POLA % change in monthly TEUs
Rising unemployment...

Less work for longshoremen, truckers, warehouse workers...
Dusting ourselves off

Fiscally strong, ready to invest in improvements, economic recovery

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Green Port Policy

- Protect the community from negative Port impacts
- Distinguish Port as environmental leader
- Promote sustainability
- Employ best available technology
- Engage and educate the community
Clean Air Action Plan

- Adopted groundbreaking Plan to reduce air pollution 45% by 2012
- Strategies for cleaner ships, trucks, trains, tugs, cargo-handling equipment
- Technology advancement program
Raising the Green Flag

93% participation; 650 tons less pollution
Plug-in shore power

- Ships plug into shore electricity, shut off engines, eliminating pollution
- By 2014, 50% of container ships will be required to plug in
- By 2020, 80% of container ships will be required to plug in
Shore electricity for “K” Line container ships beginning October 2008; for BP oil tankers beginning June 2009
Advancing technology

For ships that call irregularly: “sock on a stack”
‘Sock on a stack’ technology

• Many ships call too irregularly to retrofit for plug-in power

• With “sock on a stack,” a bonnet is lifted by crane onto a ship’s smokestack

• Scrubber, like that used in factories, cleans the pollution and releases fresh air
Cleaner fuels

Ships required to use cleaner-burning, low-sulfur fuel
Clean Trucks Program

Ban on old trucks, so only clean trucks serve the Port, reducing truck pollution 80% by 2012

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Clean Trucks Program

• 1988 and older trucks banned in 2008

• 1993 and older trucks banned beginning 2010

• 2006 and older trucks banned beginning 2012

• Already, more than half of cargo containers moved by clean trucks
Clean locomotives

Pacific Harbor Lines replaced all of its locomotives with less-polluting locomotives
Greenhouse gas initiatives

NYK Lines testing solar panels on a ship carrying Toyota vehicles to Long Beach
What next?
How we can grow

Weekly vessel calls from East Asia to U.S. West Coast

(1 line = 2 calls)

Providing the best facilities for big ships, more trains

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Big ships

Long Beach can accommodate the world’s largest container ships

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Best rail connections

BNSF and UP Intermodal Traffic Density Maps

Source: Company Websites, Norbridge industry knowledge
Investing in the future

$55 million admin building next phase of $800 million terminal redevelopment
Shore power allows ships to plug in for power while at berth.
Middle Harbor redevelopment

$750 million project to improve efficiency, cut pollution 50%, create 14,000 new jobs
Pier S terminal project

$650 million redevelopment of former oil field would create 35,000 new jobs
Desmond Bridge replacement

$1.1 billion bridge would ease congestion, improve traffic safety

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Investing to grow green

- We need to protect the environment so we can maintain public support for trade growth
- We need to upgrade our facilities to remain competitive
Thank you