

# Green Port Long Beach

Faster Freight, Cleaner Air  
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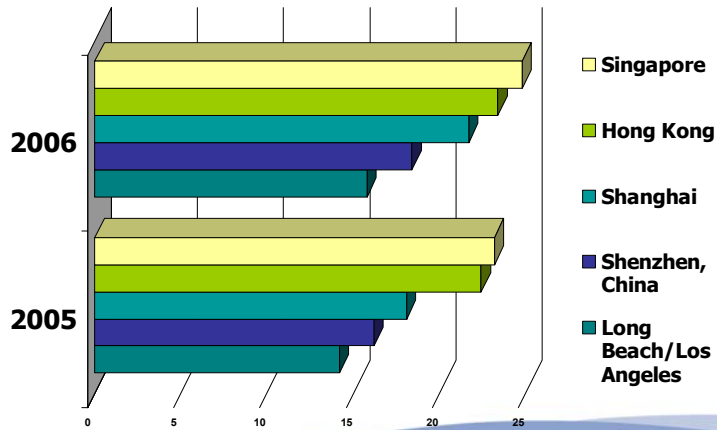


## Port Challenges

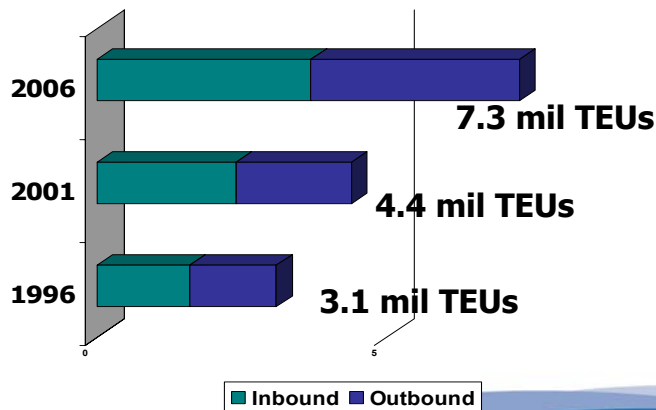
- Leadership in maritime trade
- Leadership in environmental stewardship
- Leadership in community vitality



# World's Top Container Ports



# Port of Long Beach Trade Growth



# Our Port Competitors

- U.S. West Coast
  - Los Angeles, Seattle, Tacoma, Oakland
- Canada
  - Vancouver, Prince Rupert
- Mexico
  - Ensenada, Manzanillo, Punta Colonet, Lazaro Cardenas
- Panama Canal
  - All water to U.S. East and Gulf Coasts ports



# 8,000-TEU Container Ships

- First 8,000-TEU ship, OOCL Long Beach, arrives in 2003
- Shipping lines calling in Long Beach now with 8,000-TEU ships: OOCL, COSCO, Hanjin, MSC, CMA CGM and China Shipping
- Maersk scheduled to take delivery of five 14,000-TEU ships in 2007



## Long Beach Projects

- Gerald Desmond Bridge replacement (\$800 million)
- Terminal Island Freeway/Ocean Blvd. Interchange (\$65 million)
- Upgrade for the I-710 Freeway (\$5.5 billion)



## Terminal Efficiency Improvements

- International Transportation Service Pier G (\$600 million)
- Proposed Pier S Container Terminal (\$440 million)
- Proposed Middle Harbor Container Terminal Consolidation (\$550 million)



## Port Rail Network

- 62 trains on peak days for POLB/POLA in 2006
- 104 trains on peak days for POLB/POLA in 2010
- Rail capacity shortfall by 2010
- Proposed Pier B rail yard (\$260 million)
- BNSF's Proposed Near-dock rail yard (SCIG)



## Infrastructure Funding

- Port lease revenues
  - No tax revenues
- Proposition 1B (\$20 billion total statewide)
  - \$2 billion for port infrastructure
  - \$1 billion for port-related environmental projects
  - \$100 million for port security projects
- Who else pays?
- Container fees?



# Green Port Policy

- Adopted January 2005
- Protect community from harmful impacts of port operations
- Use best technology
- Promote sustainability
- Environmental leadership
- Engage the community



# Green Port Projects

- Green Flag Ship Incentives
- Green Port Leases
- Clean Diesel Locomotives
- Yard Tractor Retrofit
- Testing Hybrid Yard Tractors



## Green Flag Incentives

- Reduce NOx by as much as 550 tons a year
- 82% compliance in 2006
- \$2.2 million in dockage discounts



## Green Leases

- International Transportation Service/"K" Line
- SSA/Matson
- Others



# Clean Air Action Plan

- Ships
- Locomotives
- Trucks
- Yard Equipment
- Harbor Craft



# CAAP Projects

- Truck fleet modernization
- Vessels use low-sulfur fuels
- Shore-side electricity
- Alternative technology



**Questions?**



**Thank You!**

