

Port of Long Beach Capital Program Update-

CMANC Winter Conference

Jan 2013

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Port of Long Beach

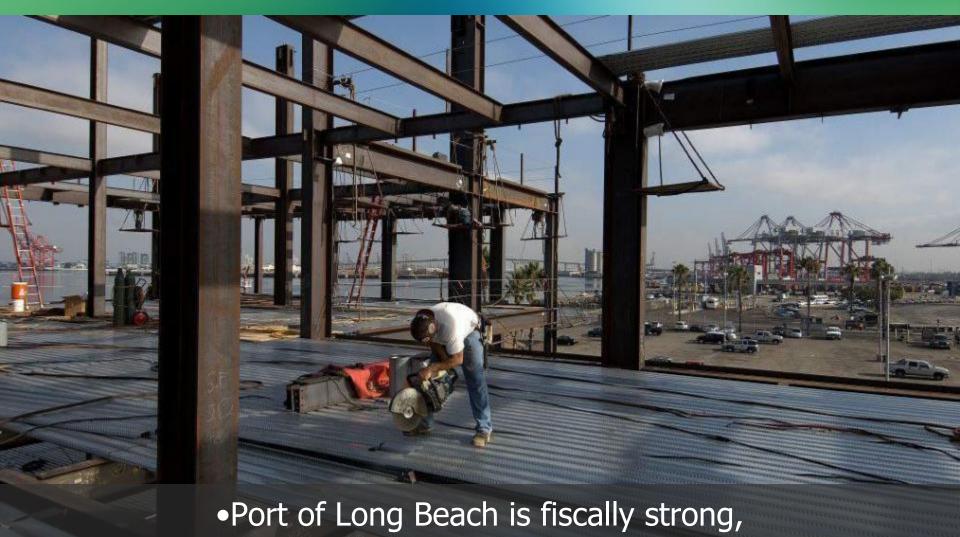


- 3,500 acres of land
- 4,600 acres of water
- 6 container terminals
- 66 shipto-shore cranes
- 76-footdeep main channel



Investing in the future





•investing \$4.5 billion in terminal, infrastructure improvements

Capital Improvement Program

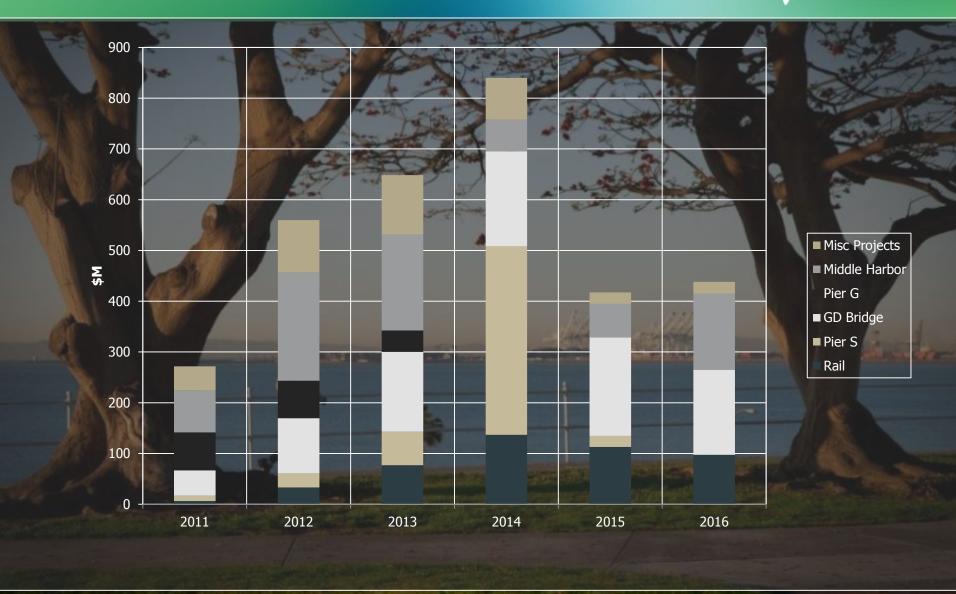


- 10-Year Program
- Total \$4.5 billion
- Terminal Optimization
- Bridge & Roadway
- Rail
- Navigation
- Safety/Security
- Environmental



Projected Capital Expenditures





Capital Improvement Program



- Terminals \$2.0 billion
- Bridge Replacement \$1 billion
- Rail \$1.3 billion
- Navigation/Dredging \$32 million
- Safety/Security \$48 million

Total ----- \$ 4.5 billion plus

Anticipated for 2013

Middle Harbor

- Pier E, Power Shop & Crane Maintenance & Repair Bldg. & Marine Ops. Bldg
- Pier E, Auxiliary Maintenance Facility
- Pier E, Battery Exchange Building

Gerald Desmond Bridge & Related Projects

- GDB, 42 Force main Pump Station Outfall to Back Channel
- SCE Tunnel Demolition
- GDB, NRG Facilities Relocation/Demolition

Pier G Redevelopment

Pier G, East Terminal Site Redevelopment

Roadway Improvements

- Anaheim Street Rehabilitation
- 12th Street & Canal Pavement Reconstruction •
- Edison Avenue Street Improvement Program

Miscellaneous

- Pico Ave. 20" Water Valve Replacement
- Demo. of NRG Intake Fore Bay Structure
- Pier C, Upgrade of Water Facilities
- Tesoro Facility Improvements
- Harbor Scenic Drive Water Valve Replacement
- Pier F, Cut-Off Wall & Pavement Rehab.
- Pier G, Metro Track Improvements
- Maintenance Dredging

Bigger ships – 14,000 TEUs





- Next generation vessels will be more than twice as big
 - as today's 7,000-TEU ships

Existing Middle Harbor Terminals





Middle Harbor





Middle Harbor Project will improve terminal efficiency, cut pollution 50%, create 14,000 new jobs

Pier G Redevelopment

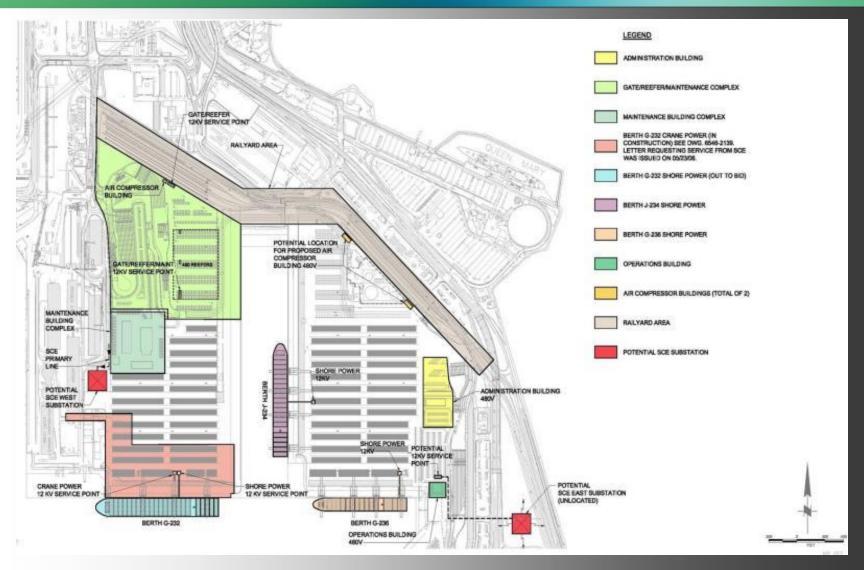




• adding deep-water berths & expanding on-dock rail

Pier G Redevelopment Program





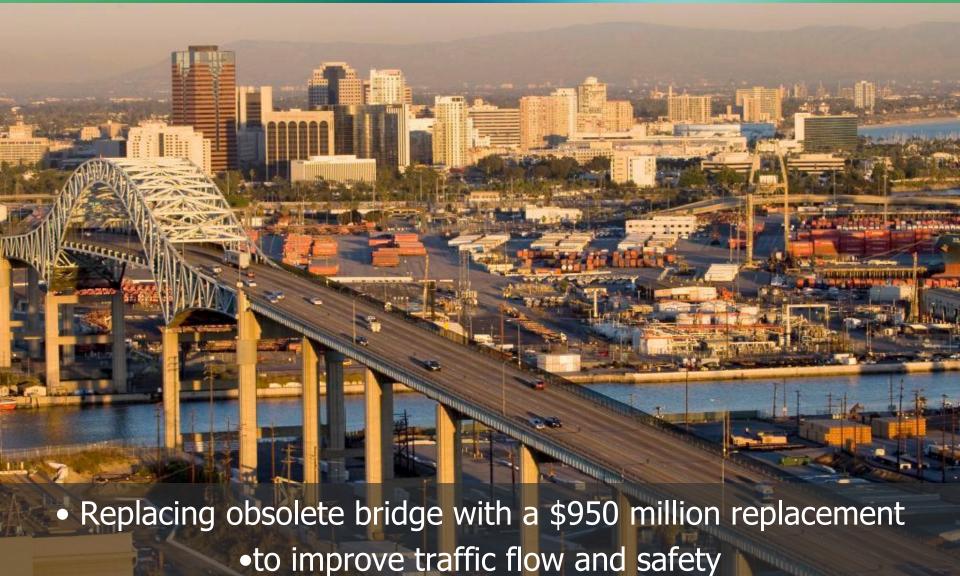
Pier S terminal project





Gerald Desmond Bridge





New Gerald Desmond Bridge





Bids opened. \$650 D/B contract. \$1B project takes about 4
years to complete

Rail Enhancements





\$1.3 billion in projects to expand rail yard, realign tracks to support increased on-dock rail operations

Back Channel Navigation





Environmental Projects





- In 2005, the Board of Harbor Commissioners approved
 - the Green Port Policy changing the Port forever

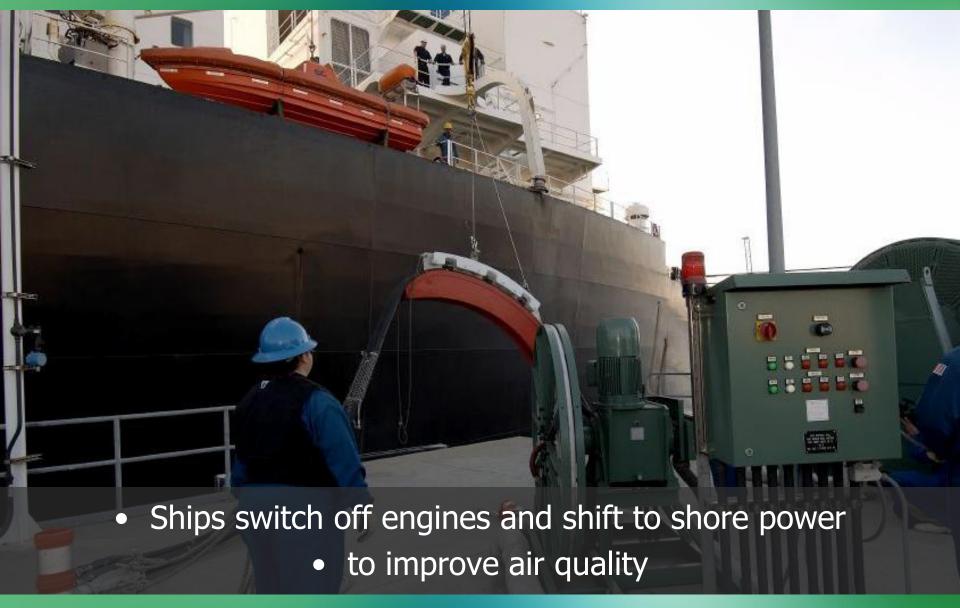
Green Port Policy



- Protect the community from harmful impacts of Port operations
- Distinguish the Port as leader in environmental stewardship
- Promote sustainability
- Employ best available technology
- Engage and educate the community

Shore-to-Ship Power





Port-wide plug-in



- \$200 million in SSP Infrastructure
- By 2014, 50% of container ships will plug in to shore power
- By 2020, 80% of container ships will plug in to shore power



■ Berths being converted ■ Upcoming berths to be converted

Sustainability





Sustainability in engineering LEED "Green Building" program Construction waste recycling Sustainable landscape palette **Alternative Power** Sustainable storm water design Shore-to-ship Power POLB Sustainable Design and Construction Guidelines

Questions?



