

Building the **GREEN PORT**

of the **FUTURE**

**Federal Business Opportunities  
Symposium**



Port of  
**LONG BEACH**  
*The Green Port*

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**Costs Mesa, CA**  
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# WHAT IS THE PORT?

More than just cranes and ships, the iconic Port of Long Beach is a key economic engine for Southern California and critical to the world trade ecosystem.

PORT OF LONG BEACH 101



#2

Busiest port in the U.S.



\$180  
BILLION

Worth of cargo is imported through the port annually



2,000

Ships dock at the port each year

Although a public agency, the Port's operations are not supported by tax dollars.

Instead, its revenues come from leasing marine terminals.

Port of **LONG BEACH**



Leading economic engine

1 in 8 Jobs

300,000 Southern Calif. jobs moving goods

Port of **LONG BEACH**



# BIG SHIP READY

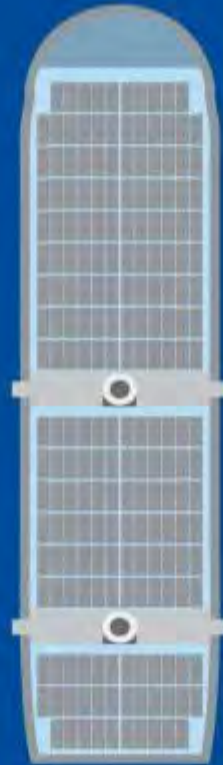
14,000-TEU vessels began calling in Long Beach in 2012.

# BIG AND GETTING BIGGER

14,000-TEU ships are as long as a skyscraper is tall, and as wide as a 10-lane freeway.



**Empire State  
Building**



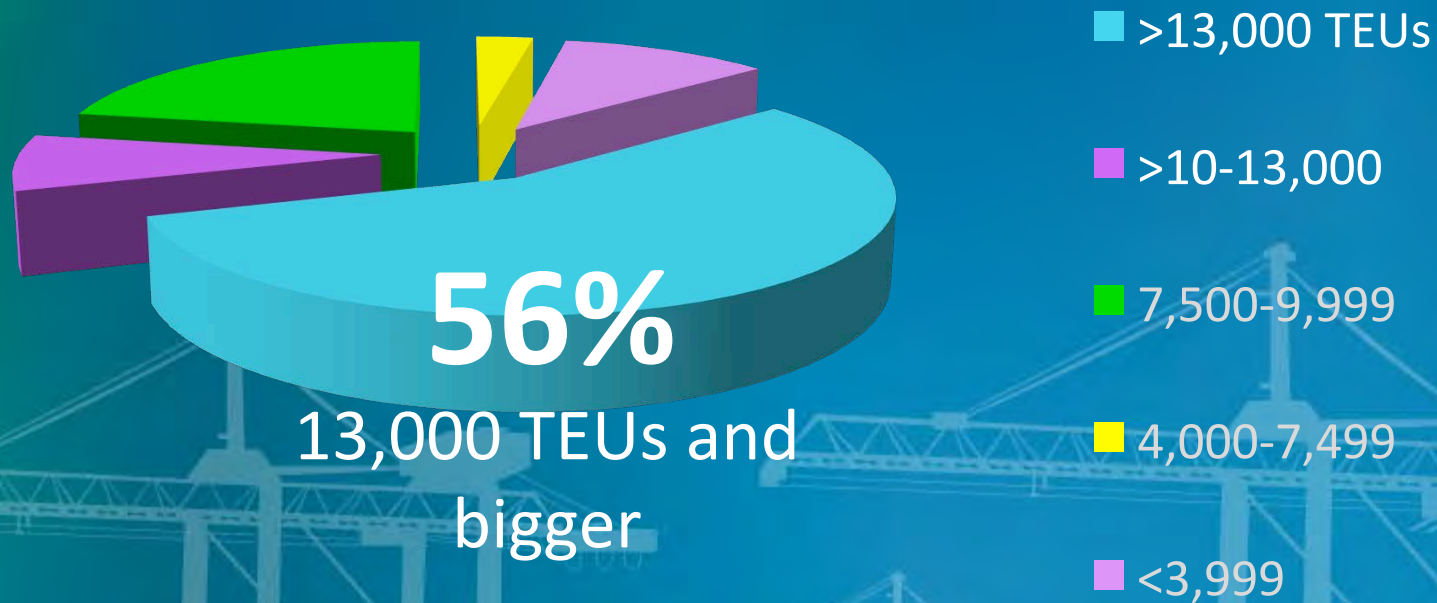
**14,000 TEU  
Ship**



**405 Freeway  
North and South**

# MORE **BIG SHIPS** COMING

Of ships on order, more than half can't pass through expanded Panama Canal.



Source: Alphaliner, April 2015

# \$4 BILLION INVESTMENT

Decade-long Port capital improvement program

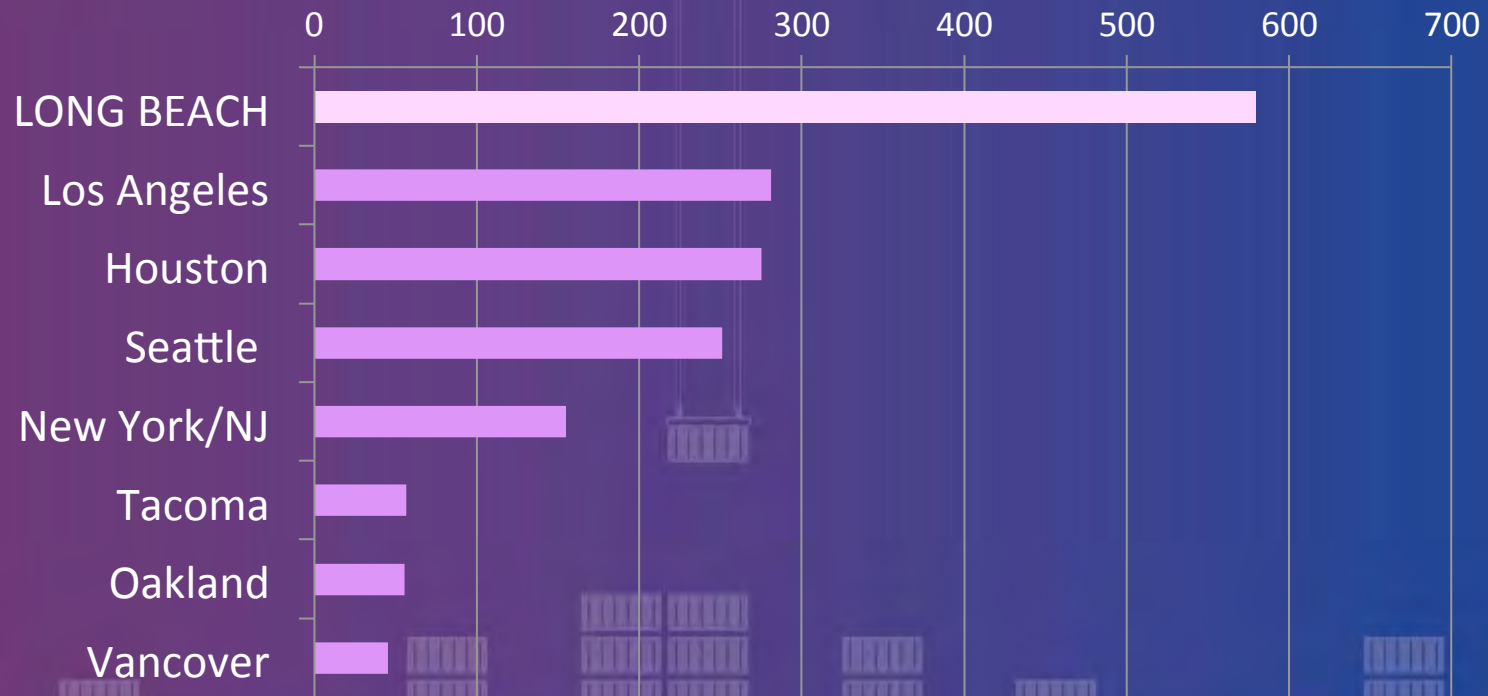


# BETTING ON THE FUTURE

## POLB leads No. Am. ports in capital spending

Millions of dollars in FY2015 capital budget

Source: Ports







Coming soon: **MIDDLE HARBOR**

Advanced technology, for world's greenest terminal

Port of **LONG BEACH**



# **\$1.3 BILLION INVESTMENT**

305-acres, 3.3 million-TEU capacity in 2019



# ZERO EMISSIONS

All-electric, remote-controlled yard tractors



# BRIDGE REPLACEMENT

\$1.5 billion, safer connector to Terminal Island



# MAIN TOWER PILE CAPS

Tower construction proceeding rapidly.



# FUTURE WORK

Existing bridge demolition and Pier D St. realignment.

# BIG TRAINS COMING

Improvements planned to increase on-dock rail.



**LEGEND**

|   |   |
|---|---|
| * | DENOTES STATE FUNDING (TCIF) AND FEDERAL TIGER GRANTS |
|   | CONSTRUCTION COMPLETED                                |
|   | DESIGN / CONSTRUCTION PHASE                           |
|   | E.I.R. / PERMIT PHASE                                 |
|   | ON HOLD   |
|   | MARINE TERMINAL ON-DOCK RAIL                          |
|   | OUTSIDE MARINE TERMINAL RAIL                          |

| MAP I.D. | PIER/BERTH | ON-DOCK MARINE TERMINAL PROJECTS |
|----------|------------|----------------------------------|
|          | PIER G     | ITS RAIL YARD REDEVELOPMENT      |
|          | PIER E/F   | MIDDLE HARBOR RAIL YARD          |
|          | PIER G     | PIER G METRO TRACK IMPROVEMENT   |

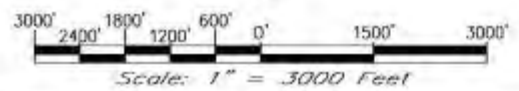
**RAIL ENHANCEMENT PROJECT LIST\***

| PRO. I.D. | LEAD AGENCY | PORTS RAIL PROJECTS OUTSIDE MARINE TERMINAL             |
|-----------|-------------|---|
|           | POLB        | PIER F SUPPORT YARD *                                   |
|           | POLB        | TRACK REALIGNMENT AT OCEAN BLVD./ HARBOR SCENIC DRIVE * |
|           | POLB        | PIER B STREET AND PICO AVENUE REALIGNMENT (PHASE I)     |
|           | POLB        | PIER B RAIL YARD (PHASE II)                             |
|           | POLB        | PIER B RAIL YARD (PHASE III & IV)                       |
|           | POLB        | TERMINAL ISLAND WYE TRACK REALIGNMENT                   |
|           | POLB        | RECONFIGURATION OF DP MOLE                              |
|           | POLB        | GRADE SEPARATION FOR REEVES CROSSING AND CLOSURE        |
|           | POLB        | NAVY MOLE ROAD STORAGE RAIL YARD                        |
|           | POLA        | NEW CERRITOS RAIL BRIDGE                                |
|           | ACTA        | THENARD TRACK CONNECTION PHASE 2                        |



# RAIL INVESTMENTS

\$1 billion in rail projects planned over next decade



**PORT RAIL ENHANCEMENT PROJECTS - 2015**



# FIRE SAFETY AND SECURITY



Fire Boat Station No. 20



Fire Boat Station No. 15

# FIRE BOAT No. 20



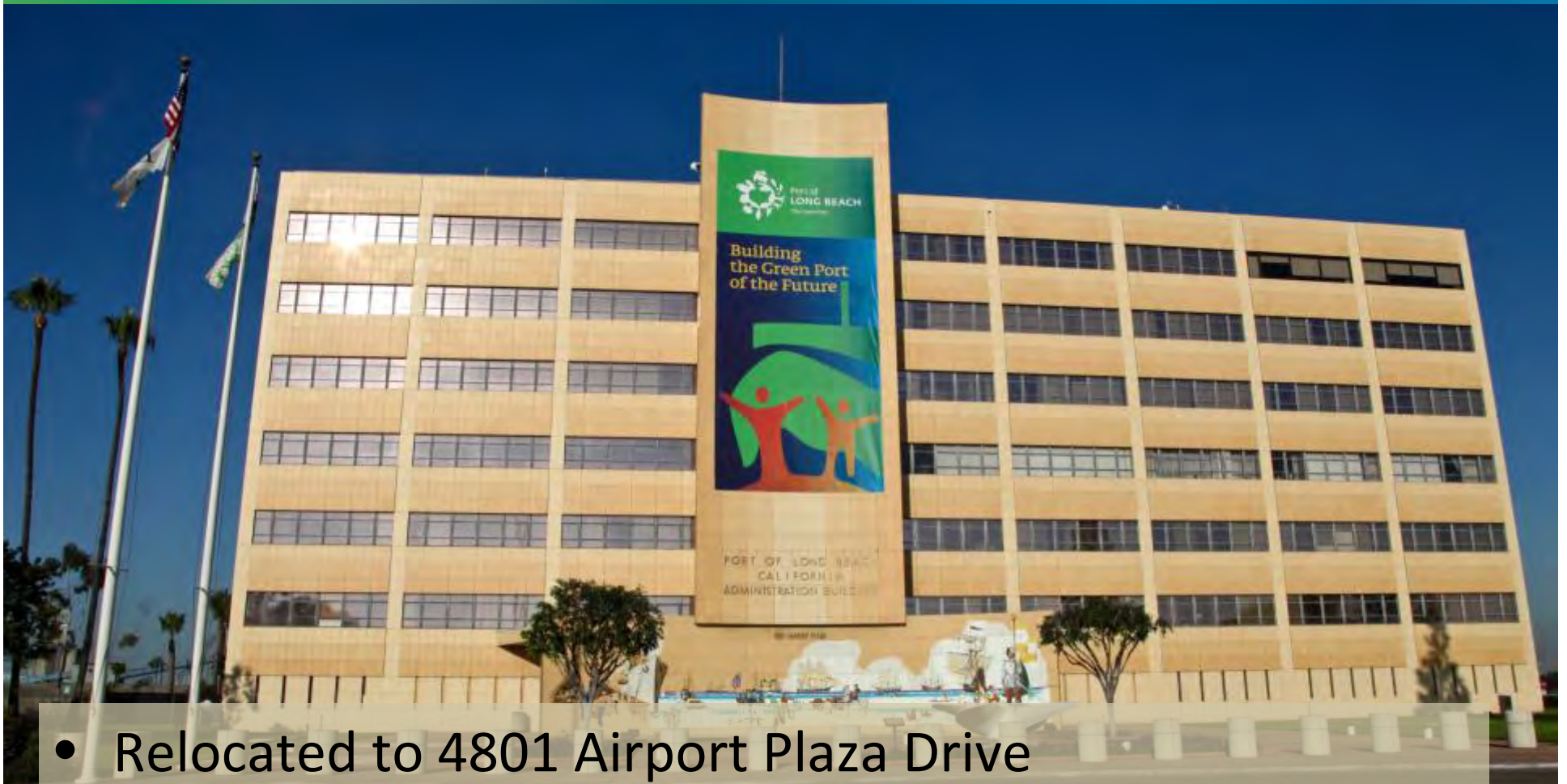
Port of **LONG BEACH**



# BIG SHIPS, DEEP WATER

Capital dredging planned for navigational safety.

# Port Headquarters



- Relocated to 4801 Airport Plaza Drive
- Contracting Opportunity
  - Demolition of the Port's Former Admin Building

# On-Call **Contracts**

- Construction On-Calls
  - Equipment Rental
  - Water-Borne Equipment
  - Paving, Striping, Fencing
  - Rock Supply, Wet Utilities
- Professional Services
  - Engineering Design (Civil, Structural, Traffic, Pavement, Wet Utilities)
  - Design Review
  - Quality Assurance/Risk Assessment

# Future Trends and Opportunities

- Energy Island
  - Technology Program
  - Energy Studies/Resilience
  - Business Continuity
- Big Ships
  - Navigation Improvements
  - Terminal Redevelopments
- Engineering Trends
  - Sustainability/Envision Infrastructure Rating System
  - Climate Adaptation

# POLB SBE/VSBE Program

Small Business Enterprises/  
Very Small Business Enterprises

FY15 Goal: 27% Annual Participation

Department-wide program, Goal Set by Board of Harbor  
Commissioners

Program Goals:

- Increase small business & local participation
- Increase competition
- Lower costs



# THE FUTURE IS **BRIGHT**

We can capitalize on key opportunities to bring a promising future to the Port of Long Beach.