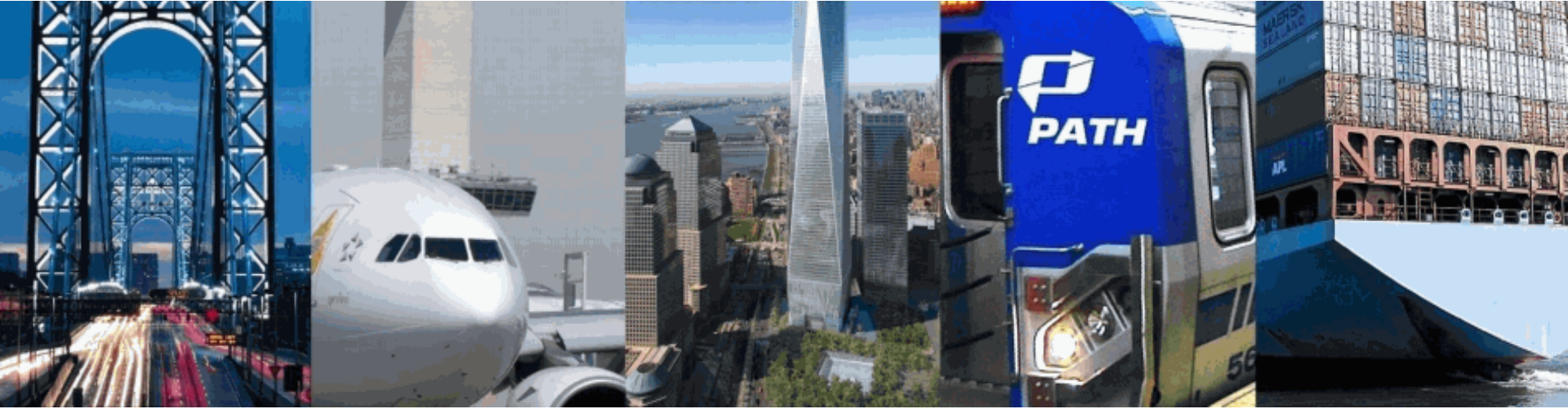


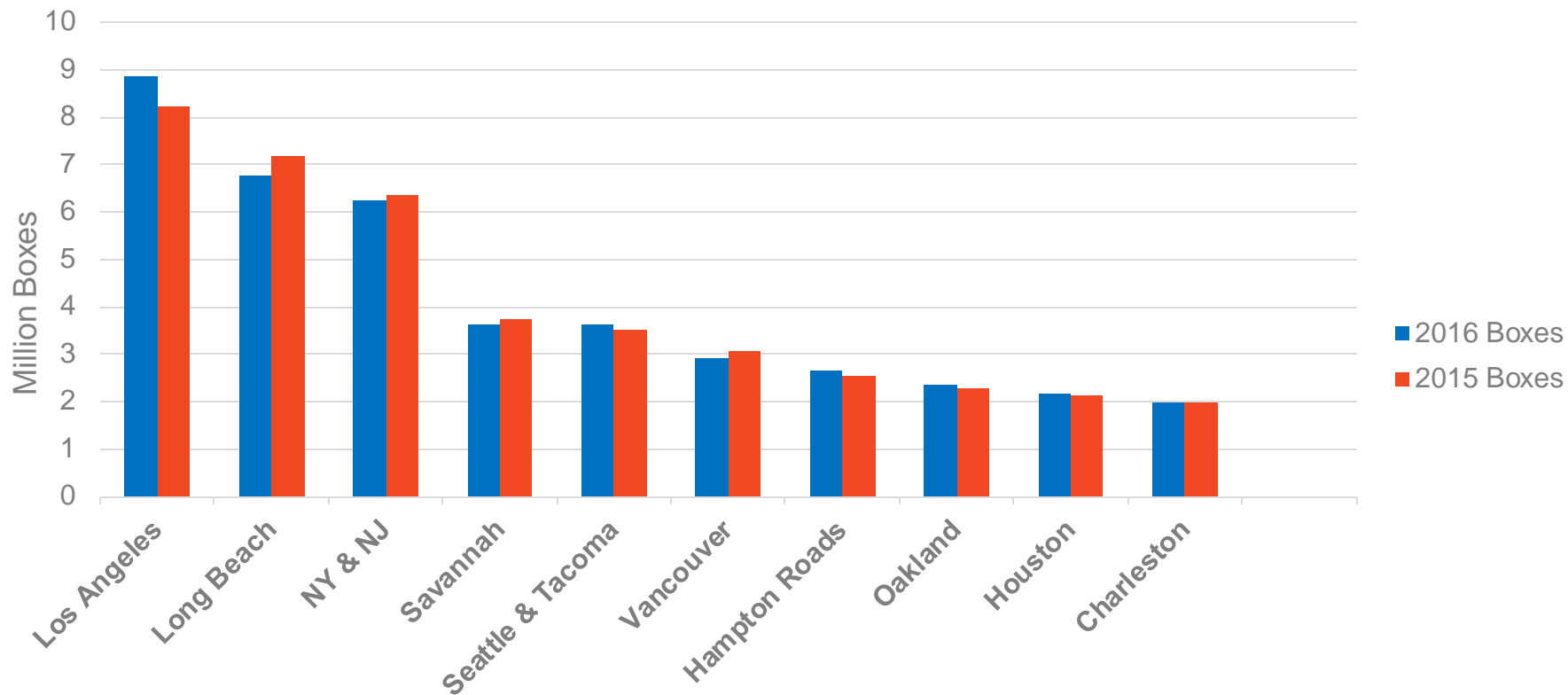
# THE PORT AUTHORITY OF NEW YORK & NEW JERSEY



New York Maritime Forum

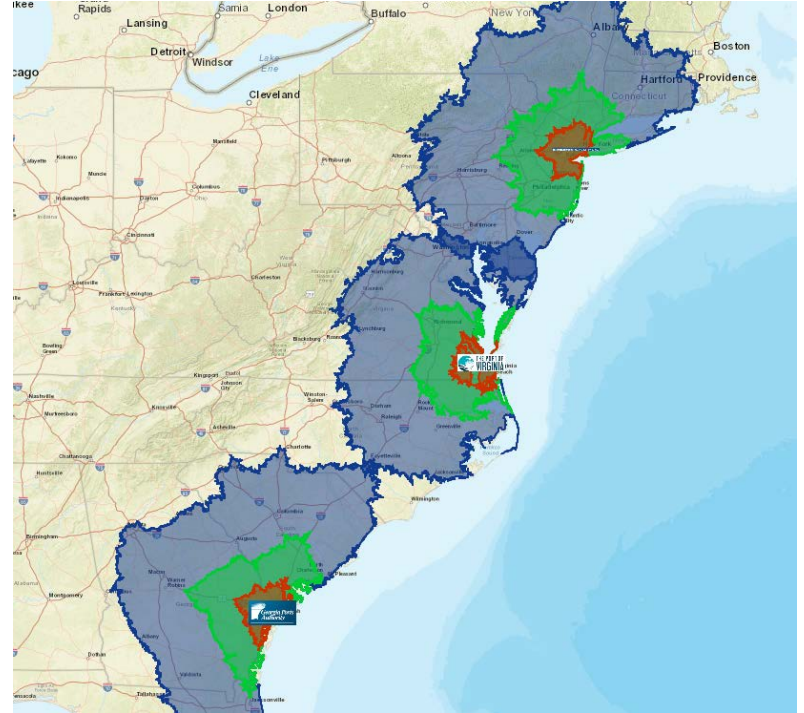
September 2017

# U.S. & Canadian Competition



# PONYNJ Reach on The East Coast

- **Within 1 hour:**
  - NY/NJ = 13 million people
  - Virginia = 1.6 million people
  - Savannah = 590 thousand people
- **Within 2 hours:**
  - NY/NJ = 27 million people
  - Virginia = 3.2 million people
  - Savannah = 1.5 million people
- **Within 4 hours:**
  - NY/NJ = 44.7 million people
  - Virginia = 14.9 million people
  - Savannah = 11.6 million people



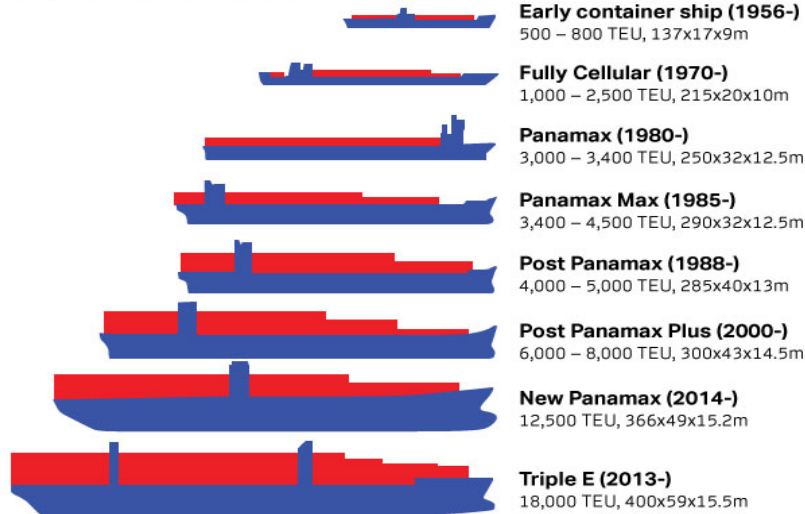
# CMA-CGM T. Roosevelt at Berth



# Increases in Container Vessel Size

## Evolution of Container Ships

TEU: twenty-foot equivalent units,  
length x width x depth below water in meters



ADAPTED WITH PERMISSION FROM THE GEOGRAPHY OF TRANSPORT SYSTEMS, JEAN-PAUL RODRIGUE

# Vessel Size Increase: Why?

- Bunker Fuel Costs
- Poor Financial Performance
- Competitive Forces
- Chasing Scale and Market Share
- Alliance/Vessel Sharing Strategies
- Advances in hull design and propulsion



# The State of Global Shipping: The Players

2M+H



**MAERSK**  
LINE



MEDITERRANEAN SHIPPING COMPANY



Ocean



**EVERGREEN**

THE



**Hapag-Lloyd**



الخطوط السعودية  
**UASC**



**YANG MING**



**NYK LINE**  
NIPPON YUSEN KAISHA



Mitsui O.S.K. Lines



"K" LINE AMERICA, INC.

Independents



GRIMALDI LINES

HAMBURG SÜD



MARFRET  
COMPAGNIE MARITIME

**NileDutch**



SEABOARD  
MARINE

**SeaLand**



\*\*\*\*  
**ZIM**

# Harbor Deepening Project

- 50' deep to accommodate larger and deeper container vessels
- Collaboration with the U.S. Army Corps of Engineers
- Total costs for the project approximately \$2.1Billion
- **Completed in September 1, 2016**





# Bayonne Bridges

## *Navigational Clearance Program*

- The construction began in 2013 to raise the roadway by 64 feet
  - provide navigational clearance for Ultra Large Container Vessels
- Raising the Roadway to 215 feet above the water, will be achieved by June 30, 2017
- Completion of the entire bridge structure is expected in mid 2019
- \$1.29Billion authorized by The Board of Commissioners
  - entirely funded by the Port Authority of NY & NJ

