

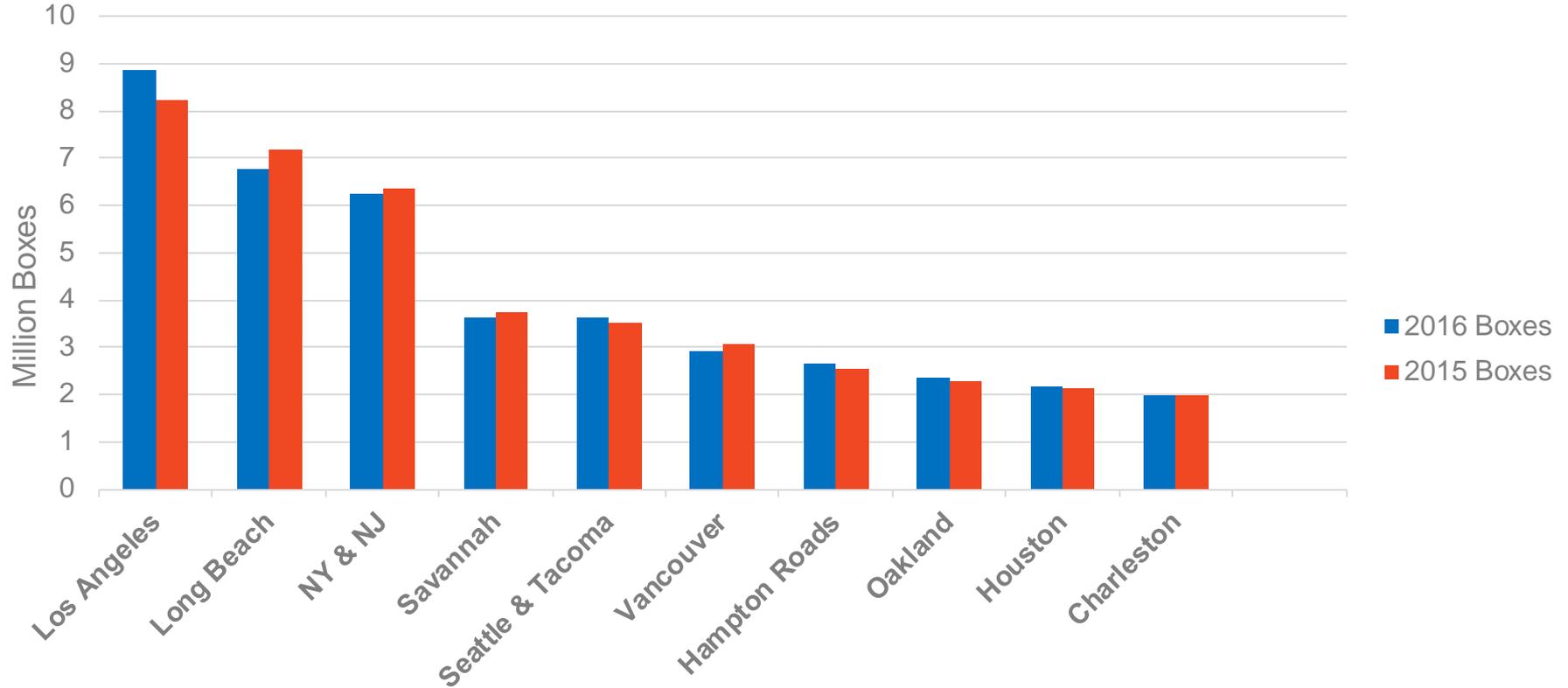
THE PORT AUTHORITY OF NEW YORK & NEW JERSEY



New York Maritime Forum

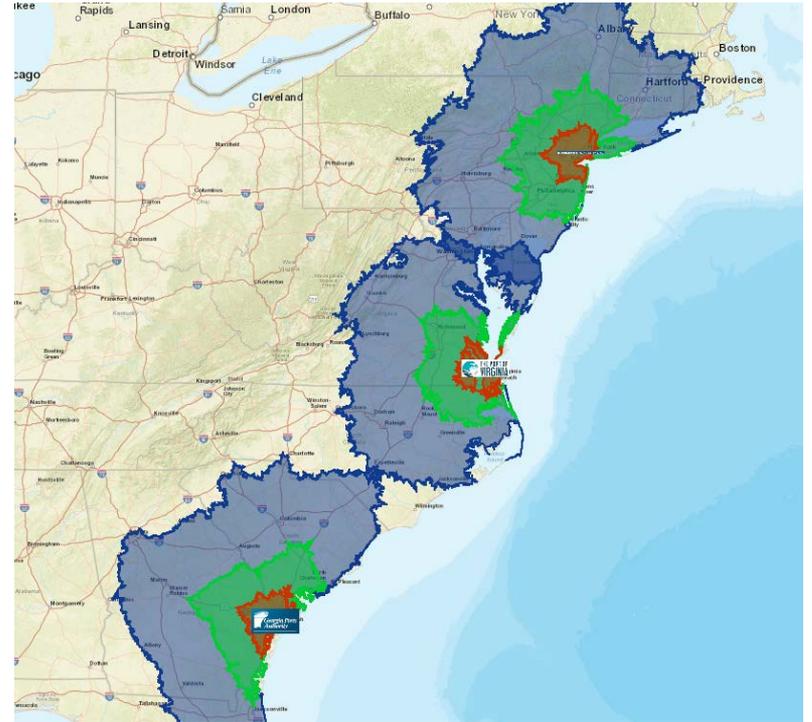
September 2017

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



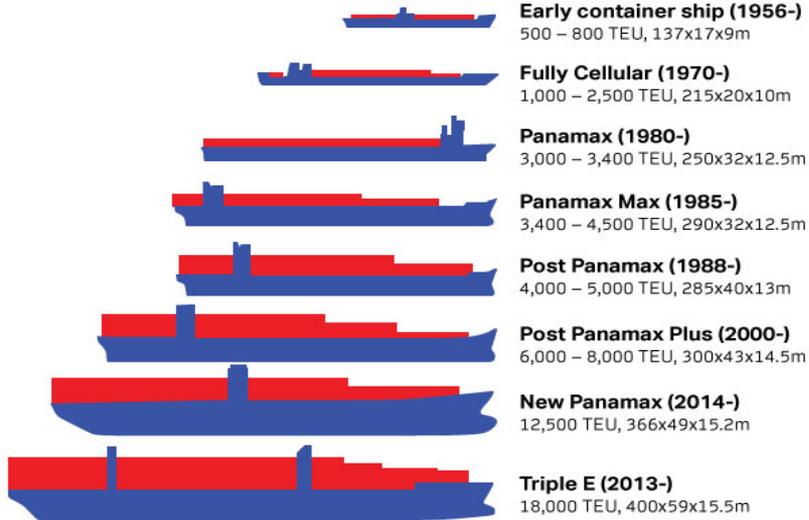
CMA-CGM T. Roosevelt at Berth



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



HMM

Ocean



EVERGREEN

THE



Hapag-Lloyd



الاتحاد العربية للتجارة
UASC



YANG MING



NYK LINE
NIPPON YUSEN KAISHA



Mitsui O.S.K. Lines



"K" LINE AMERICA, INC.

Independents



GRIMALDI LINES



HAMBURG SÜD



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 \$2.1 Billion
- **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

