

# The Port of New York & New Jersey

*A partnership between two states  
A premier gateway to the world*



# Presentation Overview

## A Gateway for Global Trade

*The Port's integral role in the world's trade network*

## Economic Engine for the States

*The benefits to workers and business*

## Charting the Course Ahead

*Key investments and initiatives for the future*

## Environmental Priorities and Focus

*A Clear Vision for a Cleaner Future*

## Solidarity in Moving Forward

*The Council on Port Performance's progress*

## Future Focus, Goals and Priorities



# Our Roots



- The Port of New York & New Jersey provided the foundation for the birth of containerization.
- We built and opened the world's first containership terminal on August 15, 1962.
- It ensured that the New York/New Jersey region would remain a leader in the new containerized world.



# The Port Authority of NY&NJ “Port District”



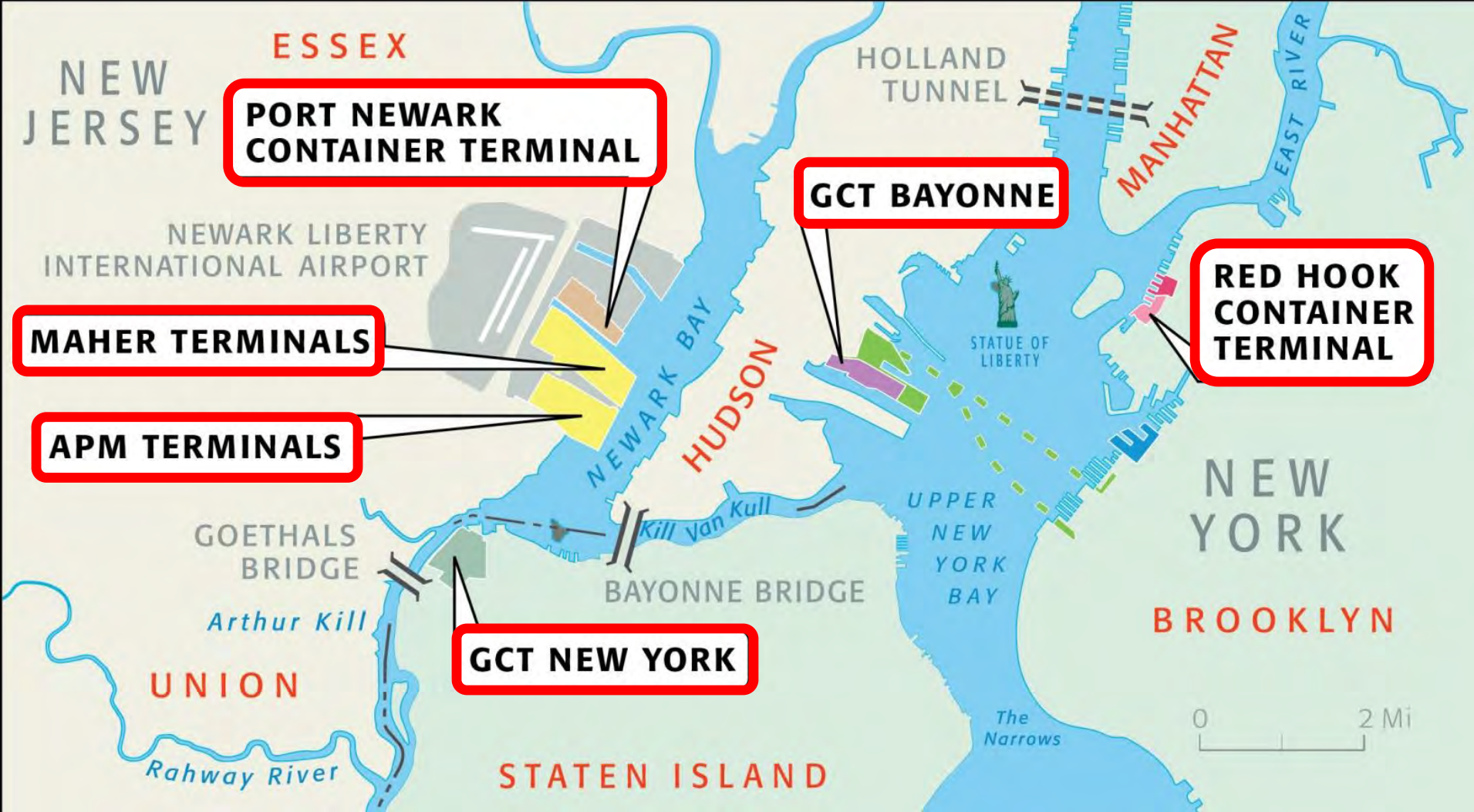


## Priority One: Facilitate Movement

The Port of New York & New Jersey is committed to its responsibility as a global gateway, logistics hub and generator for regional economic well-being.



# Port Authority Marine Terminals



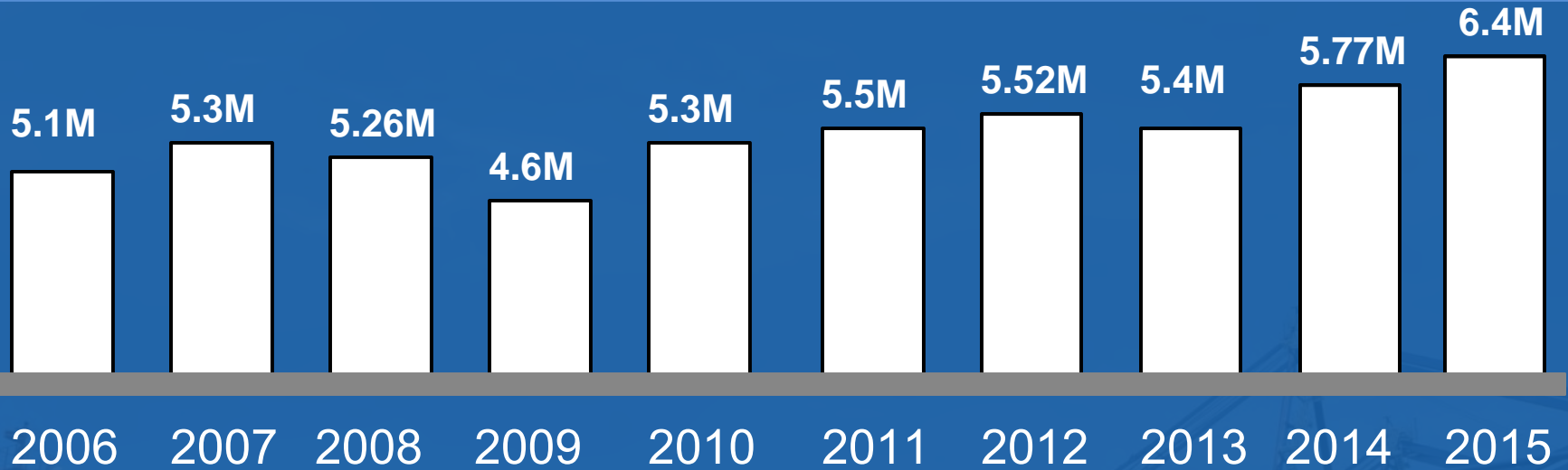
# Delivering for Our Region & Beyond

- Located in the largest and most affluent consumer marketplace in North America
- 21 million local consumers--100 million more within 36-hour reach
- Six container terminals serve all of the world's major ocean carriers
- Of the services that call the Port of NY and NJ, 74% are first calls  
Capturing 15.8% of national market share



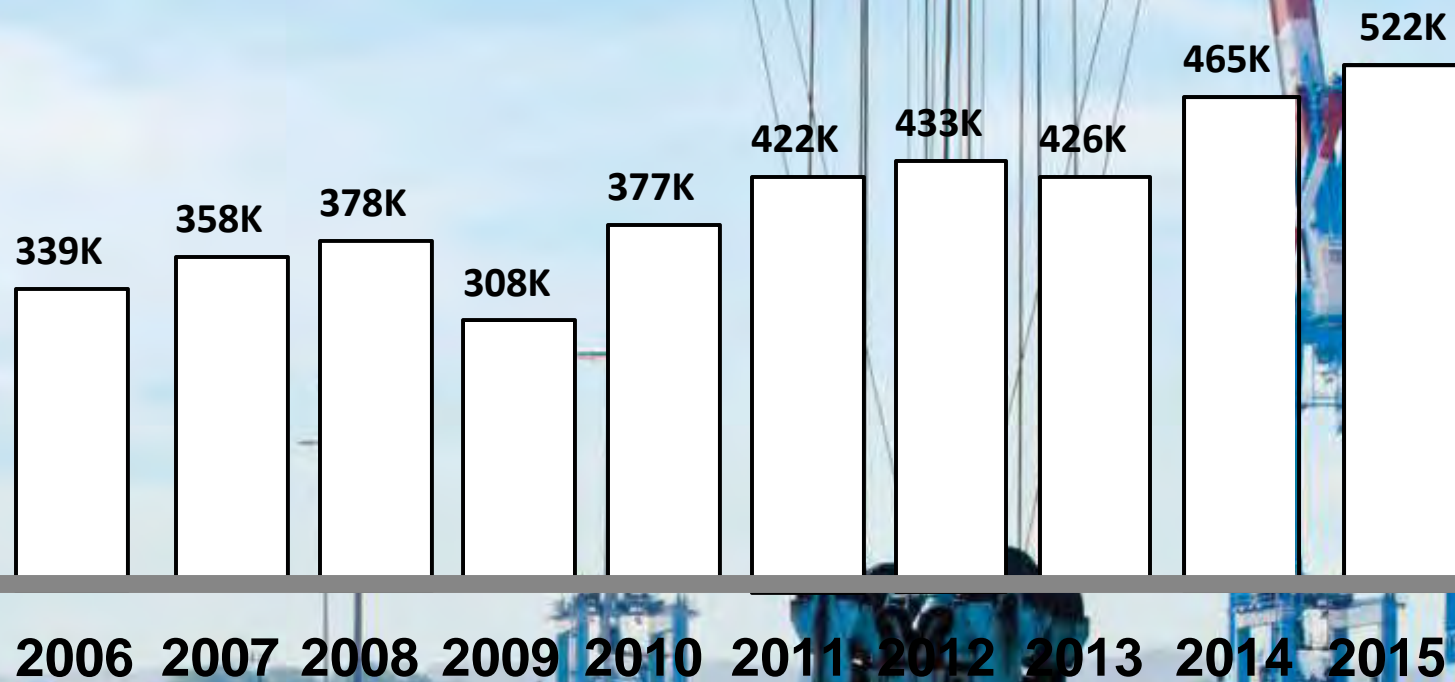


# Container Volume (TEUs)



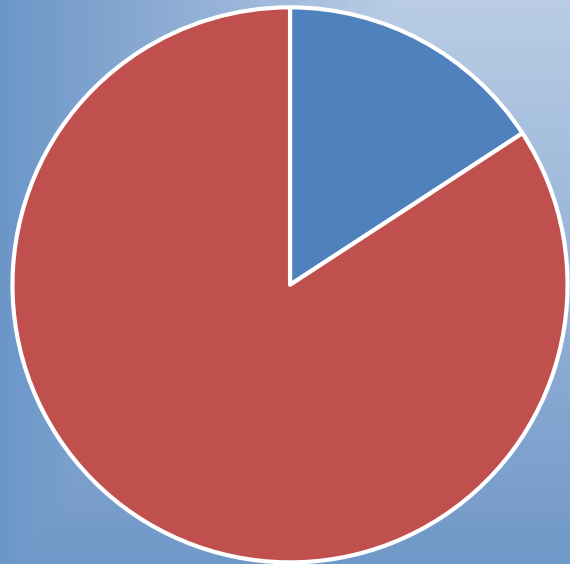


# On-Dock Rail Lifts



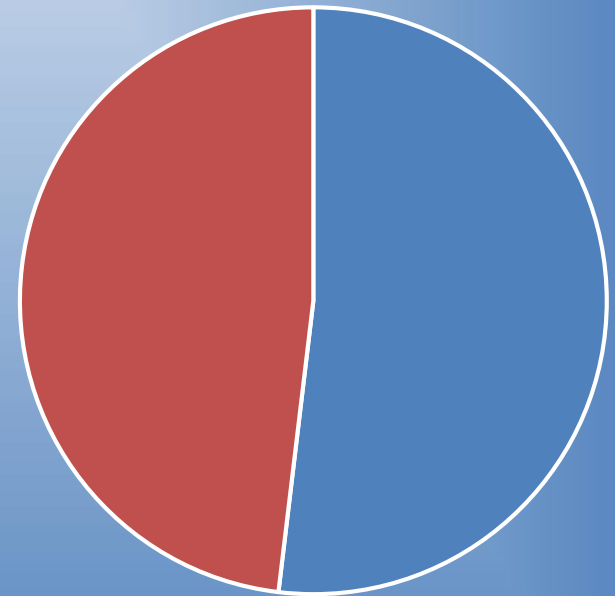
# Our Market Share

- 15.8% of U.S. Market Share



□ Port of NY & NJ    ■ All Other Ports

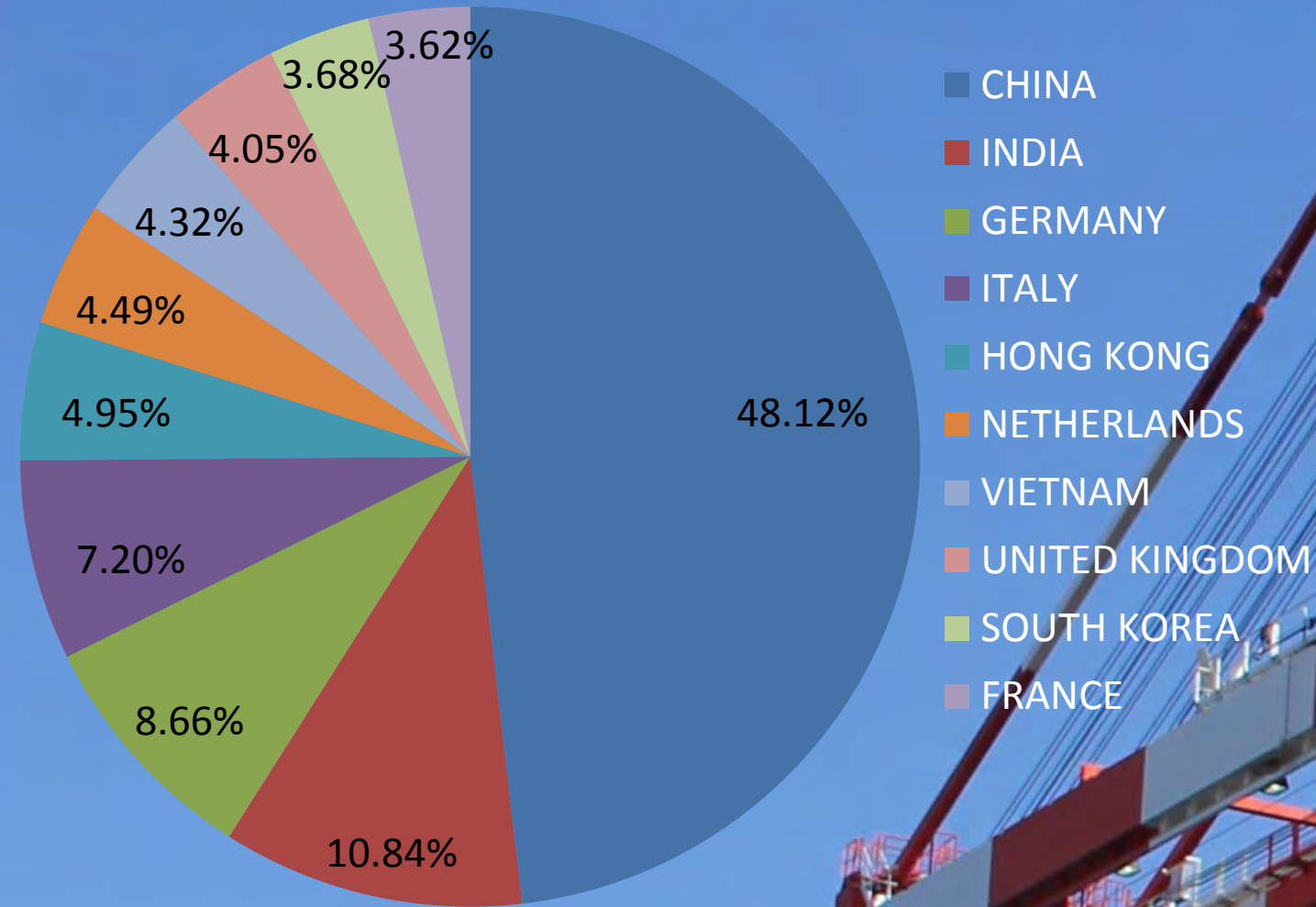
- 51.9% of North Atlantic Market Share



□ Port of NY & NJ    ■ All Other Ports



# Top Trading Partners (2015)



# The Port Provides Major Economic Benefits

- As of 2014 :
  - 336,600 total jobs in the Region
  - More than \$21.2 billion in personal income
  - Almost \$53.5 billion in business income
  - Nearly \$7.1 billion in federal, state and local tax revenues
    - Federal over \$4.7
    - Local and State over \$2.3 billion
      - New Jersey \$1.8 billion
      - New York \$520 million
        - » New York City \$430 million





# Current Container Alliance Composition (Capacity in TEU's)



# Likely Container Carrier Composition

## Spring-2017

### (Capacity in TEU)





# Evolution of Container Ships



# A True Game Changer





# A True Game Changer





# A True Game Changer

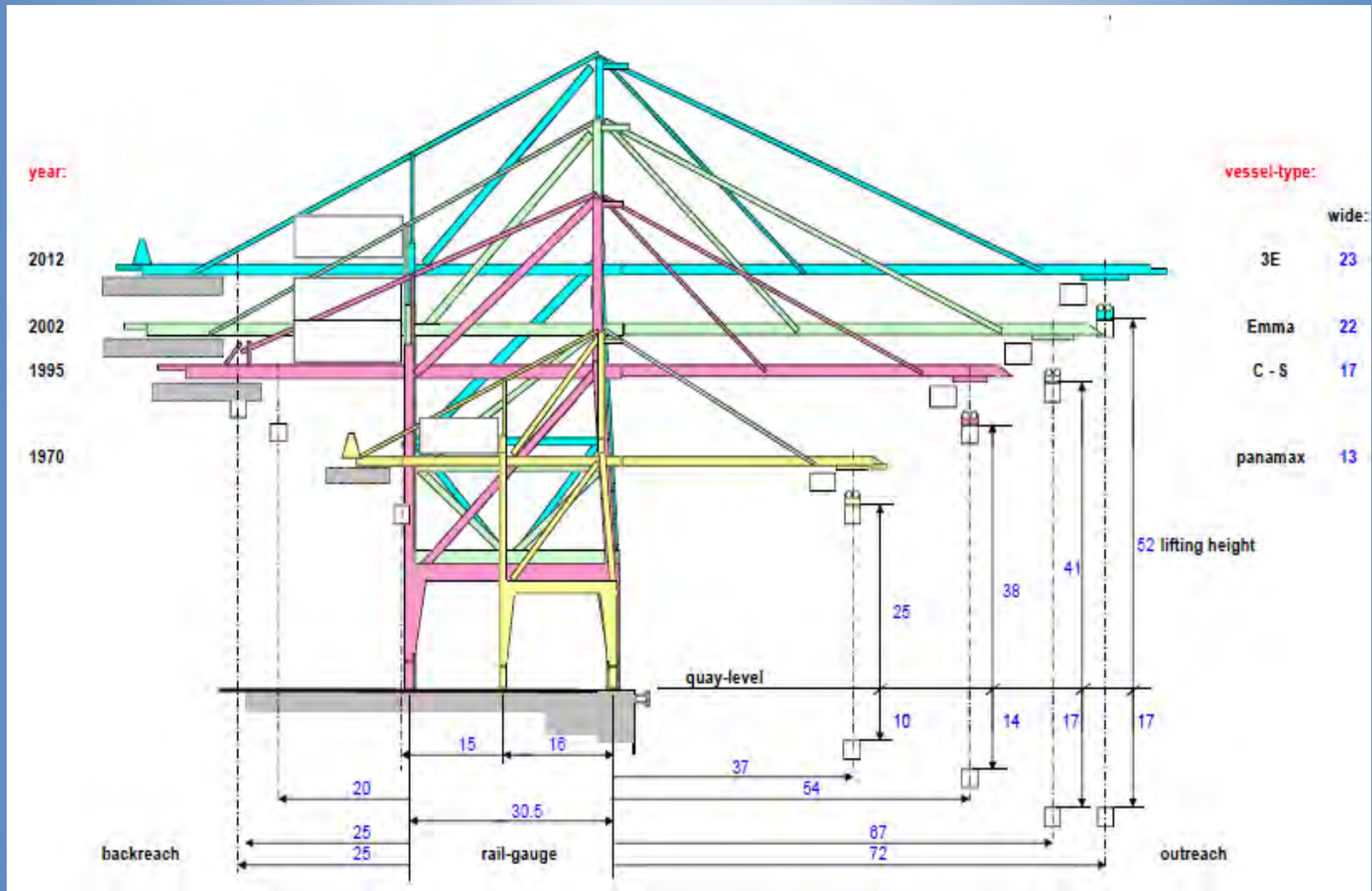


# A True Game Changer





# Evolution in Cranes





A large container ship is docked at a port, with several cranes visible in the background. The ship is loaded with colorful containers. The city skyline is visible in the distance. The text is overlaid on a blue semi-transparent box.

## Investing in Critical Infrastructure

- PANYNJ has invested over \$2.9 B over the past 14 years to enhance physical assets
- In 2015, Port Commerce Dept. budget was \$152 million
- In 2016, Port Commerce Dept. budget is \$175M

# Private Investment in Infrastructure Preparing for the Future

- Terminal Operators have invested approximately \$2 billion in terminal improvements in the past decade.
- In the next five years (2016-2020), they will invest nearly \$1 billion more on:
  - Cargo Handling Equipment
  - Super Post Panamax Cranes
  - New Gate Systems
  - Berth and Yard Improvements
  - Intermodal rail capacity







# Big Ship Readiness





# The Port of New York & New Jersey





# Bayonne Bridge

Opened to traffic on November 15, 1931



# “ Raise the Roadway “ Bayonne Bridge Rehabilitation and Retrofit



Existing

- 151 ft. air draft
- 6 ft. walkway
- 4-10 ft. lanes, no shoulders
- No median barrier

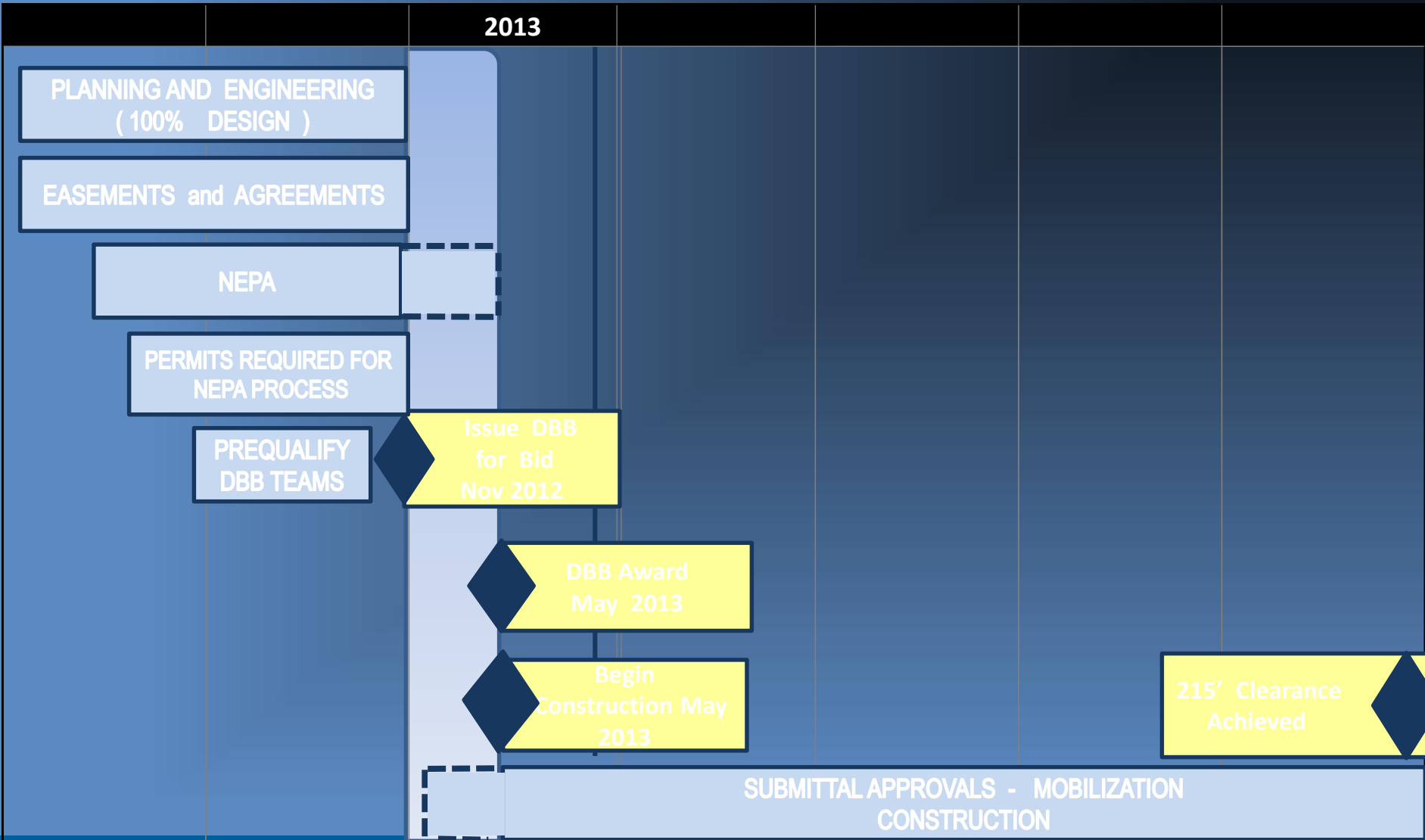


Proposed

- ✓ 215 ft. air draft
- ✓ 12 ft. walk / bikeway
- ✓ 4-12 ft. lanes, with shoulders
- ✓ Median Barrier and additional width for future transit

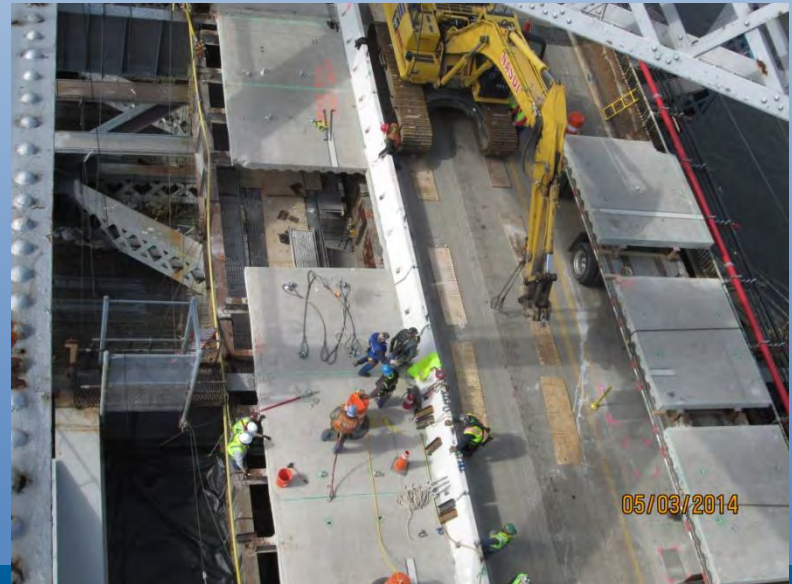


# Bayonne Bridge Schedule - Expedited Program Schedule





## Construction Activities – Main Span – Arch Lightening







# Construction Activities – Main Span – NY Lower Chord Strengthening





# Construction Activities – Main Span – New Steel Framing







# Construction Activities – Approaches – Selective Demolition







# Construction Activities – Approaches - Precast Concrete Pier Segments







## Construction Activities – Approaches – Pier Erection





# Construction Activities – Approaches - Precast Concrete Roadway Segments







# Construction Activities – NY Tower





# Construction Activities – NY Approach Structure Launching Gantry







April 2016





*June 2016*







# August 2016



Existing roadway to be demolished

215 ft. roadway to be complete in 2017

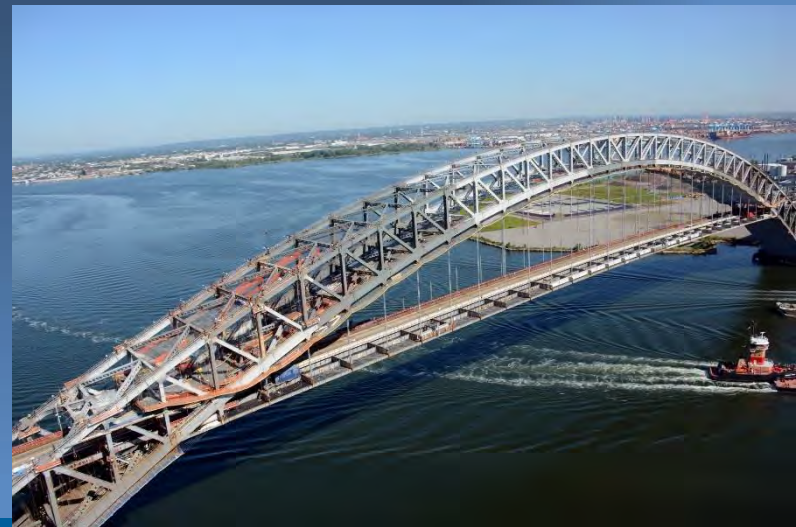
September 2016





# Bayonne Bridge Summary

- **57 % overall construction complete**
- NB Approach Roadway Installation 98%
- Main Span Steel Framing Installation 98%
- NB Main Span Roadway Concrete Deck 50%
- SB Approach Roadway Fabrication 47%



# Ship Simulation





# Meeting in Kill Van Kull



# Elizabeth Channel – 14,000 TEUs





# Elizabeth Channel





# Port Jersey Channel





# The 50' Harbor Deepening Project

- Collaboration with US Corps of Engineers
- Total Cost: \$2.3 B (\$1.1 B from PANYNJ)
- Project to be completed by summer of 2016





# Clean Air Strategy for the PONYNJ

The voluntary Clean Air Strategy for PONYNJ seeks to decrease air pollutants in the Port District via all-encompassing improvements to mobile sources, equipment, and facilities, all while maintaining operational efficiency and effectiveness.

- Reduce maritime-related air quality impacts on health and the environment
- Reduce the maritime-related contribution to greenhouse gas emissions
- Multiple actions are underway to further enhance rail, equipment, vessels, trucks, and other assets



## Moving Forward as a Port and Environmental Leader

- Eighty percent (27 of 34) of the strategy's actions have been completed or implemented – 12 of which were led by PONYNJ
- In 2014, we reported an average decrease 41.5% reduction in criteria air pollutants and 37.3% all pollutants, despite 13% cargo increase 06-14
- Maritime-related emissions decreased at a rate greater than the 3 percent annual average reduction goal





## Performance Improvement Initiative

- January 2014 - After year of severe operational challenges in the Port, PA created with NYSA a first-in-nation Port Performance Task Force
- Supply chain stakeholders participated
- Mission - Provide a framework to discuss areas of common interest; identify challenges to port efficiency and service reliability and recommend potential solutions to maintain the Port's position as a preeminent American port
- June 2014 - PPTF Report issued 23 recommendations for action
- August 2014 - Council on Port Performance formed to implement recommendations





## Performance Update on the Council

- Implemented a winter plan to accurately prepare terminals for season-related issues
- Increased information sharing among all stakeholders
- Aligned truck service center hours portwide
- Customer service contact information
- Selected “market pool model” for a new chassis management system
- Created the Trucker Guide Book
- Created web-based Integrated Port Community System





## The Council's Next Moves

- Key Performance Indicators
- Increased use of block stowage of containers
- Implementation of the market pool chassis management system
- Warehouse and Distribution Center hours to support extended gates



## Looking Ahead

1. Maintenance Dredging
2. Equitable distribution of CBP resources
3. Environmental Program Support
4. WRRDA reauthorization
5. Capital Projects and Improvements
6. Master Plan Development

An aerial photograph of a harbor at dusk. The sky is a mix of dark blue and orange, with some clouds. The water is dark, and there are several ships visible, including a large one in the middle ground. The city lights are visible in the background, and the overall scene is a wide, panoramic view of the water and surrounding land.

# Thank You

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