

# Port of New York and New Jersey State of the Port

February 5, 2018



# Thank You!

**None of the following accomplishments could have come to fruition without the hard work, dedication, and commitment to excellence exhibited by the port's operators, partners, and stakeholders. Thank you all for everything that you do, and for making 2017 an amazing year!**



# Big Ship Ready

- June: Bayonne Bridge achieves navigational clearance for vessels up to 18,000 TEUs
- Big Ships start calling
  - June: 10,000 TEU Zim Antwerp
  - July: 9,600 TEU Maersk S Class
  - July: 13,208 TEU OOCL Berlin
  - September: 14,414 TEU CMA CGM T. Roosevelt



# Building a Better Port

- Critical maintenance dredging at nine berths
- Greenville Yard Redevelopment – construction has begun:
  - NYNJ Rail's new rail yard
  - GCT Bayonne's ICTF
  - Conrail's off-site rail projects
- Installation of ITS devices at railroad crossings



# Collaboration



- Port Master Plan
  - Industry and community-wide engagement in New York and New Jersey to solicit input and update stakeholders on master plan progress
- Successful launch of a Workforce Development Implementation Team as part of the CPP
  - Looks to match local highly-skilled and diverse workers to jobs in the transportation, logistics, and distribution industries



# Environmental Progress

- Emissions Reductions:
  - Clean Vessel Incentive Program – reduction of approximately 200 tons of nitrogen oxide (NOx)
  - Battery electric yard tractor pilot at Red Hook Container Terminal
  - Yard tractors retrofitted with automatic “stop-start” system at GCT NY
  - CSX locomotive engine repowered to reduce annual emissions (6 tons NOx, 0.43 tons particulate matter)
- Partnership with NJ DEP’s Clean Shores Program and the Garden state Youth Correctional Facility on port beautification projects
- Port aesthetic improvement initiatives including:
  - Landscaping
  - Garbage cleanup
  - Painting
  - New signage



# Growing the Business

- Fiat Chrysler Automobiles joined the Auto Incentive Program
- Cape Liberty Cruise Port served as destination / port of call for first time with the arrival of the German-based TUI Mein Schiff 6
- Columbia Container Services opened a 31-acre chassis depot serving multiple IEPs and all container terminals.



# Port Authority 2018 Priorities

- Deliver first train to Bayonne ICTF
- Launch Port Street Corridor Improvement Project
- Initiate Wharf Rehabilitation Study
- Partner with terminals on capacity-enhancing projects (new gates, cranes, deepening etc)
- Expand environmental programs such as Truck Replacement Program and Clean Vessel Incentive Program
- Deliver and implement the Port Master Plan
- Initiate Tier II EIS for Cross Harbor Freight Program





# Economic Impact Study

Port operations provide:

- A total of 400,000 full-time jobs in the Region
  - **UP** 15.8% vs 2014
- 229,000 direct jobs
  - **UP** 17.0% vs 2014
- \$25.7 billion in personal income
- More than \$64.8 billion in business income
- Almost \$8.5 billion in federal, state and local tax revenues



# *Economic Impact Study* *31 County Region*

*New York, New Jersey and  
Portions of Pennsylvania*



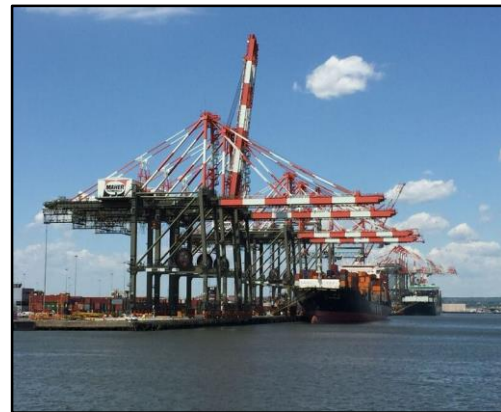
Source: Esri, 2017; NJOIT, 2008



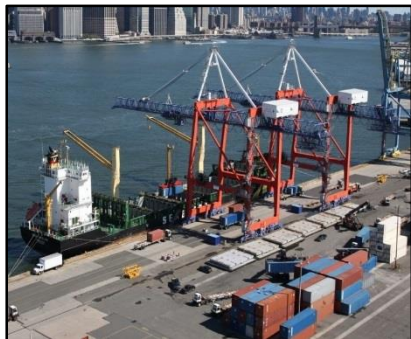
# Economic Impact Study (NJ)

## In New Jersey, the Port Industry Supports:

- 200,350 direct jobs – there were 163,125 in 2014
- 344,470 total jobs in the State, a 21.3% increase over 2014
- Nearly \$21 billion in personal income
- Over \$53.8 billion in business income
- Nearly \$7 billion in federal, state and local tax revenues, with local and state tax revenues of over \$2.2 billion and federal tax revenues of nearly \$4.8 billion



# Economic Impact (NY)



## In the State of New York:

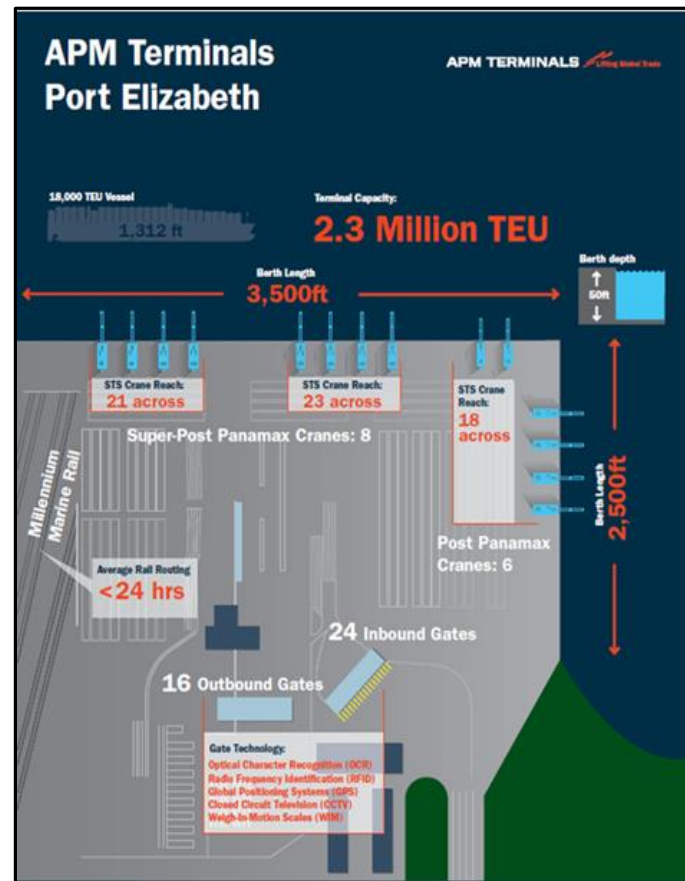
- 23,490 direct jobs – as opposed to 23,695 in 2014
- 47,960 total jobs in the State – a 1.7% increase compared to 2014
- Nearly \$4.2 billion in personal income
- Close to \$10.2 billion in business income
- Over \$1.4 billion in federal, state and local tax revenues, with local and state tax revenues of over \$555 million and federal tax revenues of nearly \$845 million

## Modernization Project Major Components:

- New Inbound Gate, 24 lane state-of-the-art inbound complex (RFID, WIM Scales, OCR, CCTV, etc) - January 2019
- South 3500' ft. Berth (94-96) Refurbishment and dredging to 50'ft. MLW – Completed December 2017
- 4 x NEW USPP Cranes (23 across reach) – August 2018
- IT Improvements :
  - N4 TOS upgrade- September 2018
  - Refresh Equipment fleet (UTR's, Toploaders, Empty Handlers, Hi-Lo's, Pickup Trucks, vans & terminal cars) Office building renovations

## Key Value Indicators, including post project enhancements:

- Increase terminal throughput capacity from .9 to 1.5M lifts
- Ability to work 3 x ULCV at same time
- Best in class import velocity to MMR/Express Rail
- Market leading berth productivity





# GCT Bayonne



## Accomplishments

- Implemented Truck Reservation System in Jan 2017. Expanded scope of program throughout the year, appointments available from 0600-1300 daily, Open Access 1300-1600.
- Delivering consistent driver turn times for single moves averaging 45 minutes and for doubles under 60 minutes during appointment periods.
- Intermodal dispatch using peel pile system for quicker transactions.
- Continued Investment in container handling and yard equipment

## On the Horizon for 2018

- Further expansion of appointments system
- Complete construction of Greenville near dock express rail ramp. Will provide full access to CSX/NS origins and destinations throughout the Northeast, Ohio Valley and Midwest. Completion of ramp scheduled for 4<sup>th</sup> Q of 2018.
- Continued Investment in container handling and yard equipment

# GCT New York

## Accomplishments

- Consistent truck turn times of less than 30 minutes for a single transaction and less than 45 minutes for a double transaction every week of the year.
- On-terminal chassis inventory for all 3 major pool operators.
- Expansion of on-dock rail destinations with the NS to now include Chicago, Columbus, Detroit, Cleveland and Kansas City
- Consistent dwell of 2 days or less for on-dock rail for import intermodal product.
- Continued investment in container handling and yard equipment

## On the Horizon for 2018

- Continued investment in container handling and yard equipment



# Maher



## Accomplishments:

- Invested \$250 million in cranes and related container handling equipment, allowing Maher to handle the first two 13000 TEU vessels in the Port in July 2017.
- Double digit percentage increase in vessel stevedoring productivity.
- Handled Ocean Alliance's 13000/14000 TEU service on a regular weekly basis.
- Invested \$6 million in new gate technology resulting in a 21% reduction in truck turn times.
- Continued ongoing free flow opportunity at Maher for truck processing.
- Developed processing lanes for Metro and DCLI pool chassis.
- Relocated Maher empty container depot closer to the terminal and adjacent to the newly opened Elizabeth Chassis Depot.
- Took delivery of 36 new straddles and placed an order for 36 additional straddles, all of which will be dedicated to truck processing.
- New refrigerated cargo processing facility improving reefer cargo flow.

## On the Horizon for 2018:

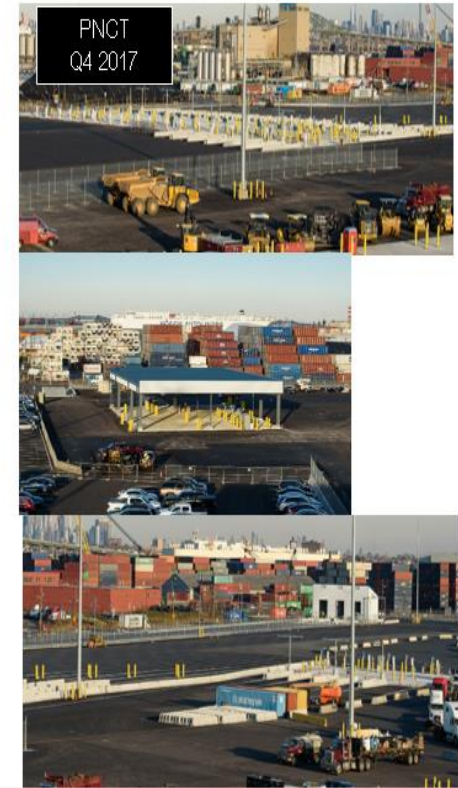
- Under contract to raise additional cranes to handle future vessel deployments.
- Soon will award a contract to complete dredging of one additional berth to 50' depth.



# PNCT

## Key PNCT Highlights:

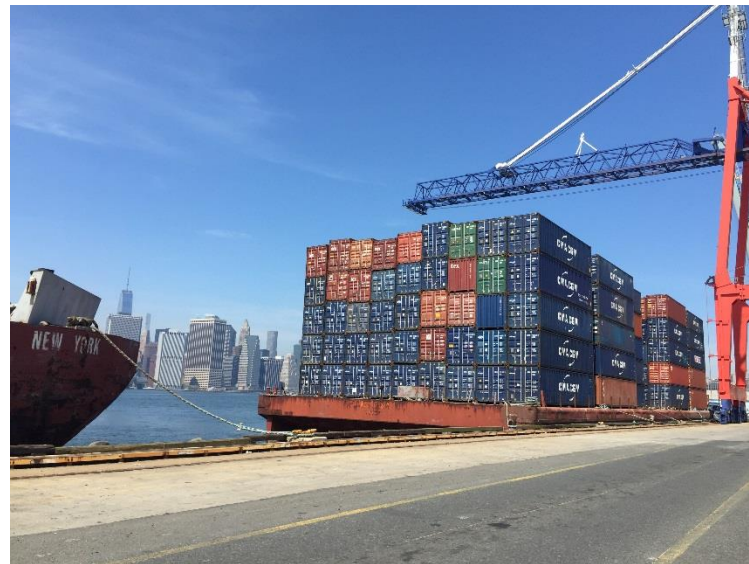
- 2016-2018 PNCT has added over 300 Reefer Plugs
- 2018 PNCT will receive an additional 20 Straddle Carriers
- 2018 PNCT will receive an additional 4 Super Post Panamax Ship To Shore Cranes capable of working up to 20,000TEU capacity vessels.
- 2018 PNCT will add 20+ Acres of Container Stacking Capacity
- April/May 2018 New Gate Complex Go Live
- Wharf Improvements completed by end of year 2018
- Jan 2018 PNCT went live with GPS Technology combined with a Graphical Heads Up Display Interface in all Straddle Carriers.
- Late 2018/Early 2019 Gate Appointment System launch



# Red Hook Container Terminal

## On the Horizon for 2018

- Investing in additional container handling equipment
- Continued focus on developing Short Sea Shipping routes.



# Council on Port Performance

- Port Performance Task Force (PPTF) – Formed December 2013
- Final Report Completed – June 2014
  - 23 Recommendations
- Council on Port Performance – Formed July 2014
  - Analyze and implement as appropriate PPTF Final Report Recommendations
  - Advance common interests of port stakeholders
  - Advocacy for policy, programs and procedures to improve Port
  - Promote information sharing and relationship building
  - Identify and address emerging issues impacting Port
  - Provide oversight on matters impacting operations
- All sectors of industry represented



# CPP Accomplishments

Accomplishments		Stakeholder Benefit
Tier	Initiative	Status
1	Truck Management System Implementation	Effective January 15, 2017, GCT Bayonne began a 6:00-8:00AM appointment period, which has since been expanded to 1:00PM. Average turn times during the appointment window are 45%+ lower compared to turn times without an appointment. Other terminals will implement once pre-requisites are completed.
1	Integrated Port Community System (PCS) Utilization	The Terminal Information Portal System (TIPS) provides streamlined access to information on container availability, booking status, vessel schedules and empty returns. Go to <a href="http://www.porttruckpass.com">www.porttruckpass.com</a>
2	Availability of Customer Service	Terminals have extended the availability of customer service representatives and named managers where necessary. All customer service contact information has been published. <a href="http://www.panynj.gov/port/pdf/CPP_Customer_Contact-R1-6-22-2015.pdf">http://www.panynj.gov/port/pdf/CPP_Customer_Contact-R1-6-22-2015.pdf</a>
2	Street Turn System for Empty Containers and Chassis	BiState Motor Carriers has created a dashboard to facilitate street turns among trucks. Collects data on those turns and the benefits accrued.
3	Continuity of PPTF mission	CPP established to restore port pride through clear, consistent information sharing and continued collaboration among numerous disparate stakeholder communities. CPP works both on PPTF recommendations and new/emerging issues.
3	Truckers Resource Guide	First published in July 2015, the Truckers' Resource Guide contains valuable information on how to navigate through the Port of NY & NJ's six marine terminals and ensure a successful visit, including important phone numbers, a list of Do's and Don'ts, frequently asked questions, and terminal maps. Updated periodically.
3	Quantity of Labor Needed in Comparison to Labor Ordered	Monitored daily by NYSA and used to justify hiring needs. Full complement of additional labor required for relief gangs has been certified.
	Winter Weather Plan	Provides predictable actions for adverse weather including conditions for free time, demurrage and per diem restrictions or waivers. Plans have been found each winter since the 2014-2015 season.
	Increased communication	Ensure customers have accurate information to support day to day decision-making and port selection. Daily communications from each terminal and ICP.
	Streamlined carriers system	Improved the customer experience by eliminating several steps for registering and developing pre-scripted messages. Established "All Clear" messages.
	Customer Service Contacts Database	Consolidates key points of contacts for port stakeholders in one simple to use PDF document.
	Alignment of Truck Service Center (TSC) Hours	Access to information and resources during port holidays that terminals are open.
	Traffic Management Plan	Provides predictability during high volume days providing standardized action and messaging. Periodically updated to be responsive to changing needs.
	CPP Website ( <a href="http://www.ccpn.com/portperformance.com">www.ccpn.com/portperformance.com</a> )	All current and archived information on CPP activities available as well as an online suggestion form.
	PONYNJ Economic Fact Sheets	Economic impact of port on each of over 22 counties in the NY & NJ area captured in simple easy to use fact sheets.
	Workforce Development Implementation Team	New focus area and team established to ensure risk-based and properly trained workforce and opportunities for host community students and residents.
	Alliance-Service Restructuring	Visibility and awareness of service changes which could impact cargo availability, location, customer service, and more.

Tier 1 Recommendations	
<b>Chassis Management Improvement System</b> Fleets increased through new acquisitions and reduction in out of service levels. Chassis consolidated into off terminal depots. Additional service providers entered market. Initial limited gray pool beginning early 2018. Discussion continue on further interoperability.	
<b>Coordination of Terminals and Alignment of Gate Hours</b> Hours coordinated during adverse weather only. Further alignment requires market demand and coordination with CBP.	
<b>Use Radio Identification (RFID) for Turn Times</b> Limitations of RFID technology make this difficult to achieve in a timely, cost effective and efficient manner. Alternative technologies investigated by BiState Motor Carriers. GPS based system to measure turn times piloted and "fencelines" worked out with terminals.	
Tier 2 Recommendations	
<b>Construction of Express Rail Support Track</b> No work on this initiative to date.	
<b>Availability of a Dashboard of Current Conditions</b> Daily updates from each terminal and ICP sent each morning. Terminal camera views available on line. Roadway cameras are being added with availability expected in 2018. Working on improved ITS visibility.	
<b>Extension of Free Time in Extreme Situations</b> As part of Winter Weather Plan, free time considerations have been addressed. This is otherwise a FMC Tariff issue. Longer free time is generally thought to exacerbate conditions in the terminals.	
<b>Compilation of Key Performance Indicators (KPIs)</b> Four (4) KPIs currently collected. 22 KPIs listed in PPTF report grouped into 7 areas based on impact, feasibility & ease of implementation. Research reveals limited to no comparative data available at competitor ports and terminals, so there is reluctance to make available for competitive reasons.	
Tier 3 Recommendations	
<b>Publication of a Snapshot of the Next Day's Activity</b> Each terminal is publishing a daily forecast. Work is underway to standardize the content and timing of these messages which may eventually be rolled into TIPS.	
<b>Development of a Container Transfer Fee (CTF) Program</b> Various models of a CTF have been under discussion by the Clean Air Strategy Group. NJ Law prohibits PA from assessing a CTF. Alternative funding strategies identified.	
<b>Development of a Unified Customer Service Center</b> Determined to be impractical. Each terminal has customer service available while trucks are being serviced.	
<b>Use Block Storage of Rail Cargo</b> While paper prepared and discussion held with NYSA Board, terminals actively encouraging carriers to use block storage. Feasibility increases with advent of larger vessels.	
<b>Establishment of Inland Ports</b> White paper prepared. Additional discussion with the rail carriers required. Effort being further evaluated as part of Port Master Plan.	
<b>Performance Standards for Empty Chassis Depot Transactions</b> Tied to the development of a gray chassis pool, which has not been implemented yet.	
<b>Touch Pads at Gate Pedestals</b> No work on this initiative.	
<b>Development of a Crisis Communications Plan</b> While a formal plan has not been developed, tremendous steps have been taken to improve day to day communications which can be leveraged in a crisis.	
<b>Movement of Rail Cargo on Weekends</b> Available as demand requires and CBP resource permit.	



# CPP 2018 Work Plan

1. Development of a Crisis Management & Communication Plan
2. Rail Network Optimization
  - utilize existing rail infrastructure more efficiently;
  - construction of ExpressRail support track;
  - more effective planning at the port of origin and increase the use of block-stowage; and
  - opportunities for establishing inland ports.
3. Supply Chain Analysis
  - evaluating hours of operation;
  - warehouse and distribution analysis;
  - BCO and commodity needs analysis; and
  - alignment with State Freight Plans.
4. Chassis Provisioning
  - gate integration and control;
  - near real time visibility of inventories; and
  - alignment of depot and terminal hours.
5. Integrated Dashboard
6. Workforce Development
  - Seaport Division of Council for Airport Opportunities
  - TLD career and education exposition (April 18)
  - Engagement with local academic institutions and host communities



# CPP 2018 Work Plan

- Teams being formed for each initiative
- Volunteers from all segments of industry needed.
  - Email [Avaldes@panynj.gov](mailto:Avaldes@panynj.gov)



*Thank You!*

