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
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 4th 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.
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

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<tr>
<th>Task</th>
<th>Initiative</th>
<th>Study</th>
<th>Implementation Details</th>
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<td>1</td>
<td>Truck Management System Implementation</td>
<td>Effective January 15, 2017, GET Reyanmar begins a GDI-RKMAX appointment period, which has been expanded to CPPiare. Average turn times during the appointment window in VISQNX have dropped compared to prior months with appointment. Other terminals will implement similar processes as appropriate.</td>
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<td>Integrated Port Community System (IPS) Utilization</td>
<td>The integrated information portal foriphers (IPS) provides streamlined access to information on container availability, leasing rates, vessel schedules, and empty moves. Go to the portomaps.com page.</td>
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| 3 | Availability of Customer Service | Terminals have extended the availability of customer service representatives and modified hours where necessary. All customer service contact information has been published. Visit: http://www.pavans.com/￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣￣゛ USA TODAY 

## The 1 Recommendation

### Low-Traffic Time Period (LTP) for Terminals

- **Terminals:**
  - Friendly: Make the LTP feel like home in a familiar, cozy, and inviting atmosphere.
  - Efficient: Administrative personnel and employees are protected by an efficient, knowledgeable, and skilled staff. Adverse weather conditions mitigate risk and maintain levels.

### Termination of Terminals and Alignment of Gate Hours

- **Terminals:**
  - Uniform arrival times are required for all terminals, with gate hours aligned as necessary.
  - The goal is to provide a seamless experience for customers.

### Coordination of Express Rail Support Track

- **Terminals:**
  - No work on this initiative.
  - No action required.

### Availability of a Transcranial of Current Conditions

- **Terminals:**
  - Daily updates from external terminals and inter-terminal messaging are provided.
  - Terminals are kept abreast of current conditions and are updated with real-time data.

### Certification of Key Performance Indicators (KPIs)

- **Terminals:**
  - Regular KPI updates are provided to ensure that terminals are meeting performance targets.
  - Communication with customers is enhanced.

### Termination of Rollover Operations

- **Terminals:**
  - No work on this initiative.
  - No action required.

### Termination of Long-Distance Operations

- **Terminals:**
  - No work on this initiative.
  - No action required.

### Termination of Long-Distance Operations

- **Terminals:**
  - No work on this initiative.
  - No action required.
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