



## SUPPLY CHAIN ANALYSIS WORKING GROUP UPDATE

North Jersey Transportation Planning Authority  
Freight Initiatives Committee  
August 19, 2019

# CPP's Key Accomplishments



- Increased Information Sharing Among All Stakeholders
  - Terminal Operators, Ocean Carriers, Shippers, Truckers, etc.
- Implementation of a Winter Weather Plan (updated annually)
- Creation of a Trucker's Resource Guide (3<sup>rd</sup> Edition released June 2019)
- Alignment of Truck Service Center Hours with Terminals
- Improved Availability of Customer Service Contact Info
- Creation of Web-Based Integrated Port Community System (TIPS)
- Truck Appointment System Launched at GCT Bayonne
- Workforce Development Team

# CPP 2018 Work Plan Initiatives & Work Groups



- 1) **Crisis Management/Communication Plan**
  - Resiliency strategies for business continuity
  - Tabletop exercises to evaluate readiness for crisis
- 2) **Rail Network Optimization**
  - Construction of ExpressRail support track
  - Opportunities for establishing inland ports
- 3) **Supply Chain Analysis**
  - Evaluating hours of operation
  - Warehouse & distribution center analysis
- 4) **Chassis Provisioning**
  - Gate integration and control
  - Alignment of depot and terminal hours
- 5) **Integrated Dashboard**
  - Develop new or modified KPIs
  - Enhance existing TIPS capabilities
- 6) **Workforce Development**
  - TLD Career & Education Expositions
  - Community engagement

To download the full report, visit

[http://www.panynj.gov/port/pdf/CPP\\_2018\\_work\\_plan.pdf](http://www.panynj.gov/port/pdf/CPP_2018_work_plan.pdf)

# Supply Chain Analysis Working Group



The Working Group is made up of a cross-section of truckers, beneficial cargo owners, terminal operators, warehouse operators, ocean carriers and more.

Member organizations include:

- Port Authority of NY & NJ
- NJTPA
- CBP
- Gemini Shippers
- National Retail Systems
- ContainerPort Group
- Port Jersey Logistics
- TRAC Intermodal
- Maher Terminals
- Red Hook Container Terminals
- Global Container Terminals
- MTI Trucking
- Hyundai America Shipping
- Best Transportation

# Group Tasks

Evaluating current terminal hours of operation to determine the point at which extended hours are necessary

- How do the terminals offset additional operating costs incurred?
- How do we ensure that CBP has the resources long term to support additional hours of operation?
- Are there sufficient truckers to support a second or third shift?

Embarking on a more in-depth study of warehouse and distribution center operating hours to see how they align with marine terminals

- Expanding upon the 2016 WH & DC Survey
- O&D analysis (primary and secondary moves)
- Evaluating the impact of DCs and e-commerce fulfillment centers relocating closer to urban areas

Examining the needs of key BCOs and commodities moving through the Port

Addressing lack of transparency of critical information within certain parts of the supply chain

# Terminal Information Portal System (TIPS)



- First system of its kind in the country
- Single consolidated web portal for all 6 container terminals
  - Port and Terminal Information
  - Import Container Availability
  - Export Booking Inquiries
  - Vessel Schedules (cutoffs, first available day, etc.)
  - Empty Container Return Location
  - Appointments at GCT Bayonne
- Create “watch lists” of containers at any terminal
  - Receive alerts when status of container or booking changes (i.e. holds placed/released, balances updated, etc.)
- Recent upgrades include more streamlined features to research container and booking inquiries, plus a mobile app

Container	Status	Holds	Size/Type	Line	Terminal	Last Free Day	Date Added
+ AMFU8653290	AVAILABLE				APMT-NWK	01 Sep 2015	28 Aug 2015 14:22
+ AMFU825508	AVAILABLE		40HQ	HLCU	GCTN		28 Aug 2015 14:22
+ ACLU9694215	AVAILABLE				PNCT		28 Aug 2015 14:21
+ ACLU9672221	NOT AVAILABLE	YES	40HQ	ACLU	GCTN		28 Aug 2015 14:21
+ AKLU8020836	AVAILABLE		20GP	KKLU	MAHR	06 Aug 2015	28 Aug 2015 14:21
+ ACLU9693712	AVAILABLE				PNCT		28 Aug 2015 14:21
+ ACLU2187991	NOT AVAILABLE	YES	40GP	ACLU	GCTB	08 Jun 2015	28 Aug 2015 14:21
+ ACLU966402	NOT AVAILABLE				APMT-NWK	27 Aug 2015	28 Aug 2015 14:21

[www.porttruckpass.com](http://www.porttruckpass.com)

# Recommendation to Post a Daily Terminal Advisory onto TIPS



- Terminals currently send daily advisories via e-mail each morning
  - Does not allow for sufficient planning
  - Most valuable if provided each afternoon for the following day
- Work Group presented recommendation and template to CPP for their consideration
  - Overwhelmingly approved and endorsed by CPP
- Incorporating into TIPS's homepage
  - Standardizing information from all terminals onto a single platform
  - Provides visibility, transparency and advanced planning

**(TERMINAL NAME) DAILY ADVISORY FOR (TOMORROW'S DATE)**

**Contacts:** Customer Service Direct Phone Number  
Terminal Website Link  
<http://www.porttruckpass.com/>

**Hours of Operation:**

	Days of Week	AM Hours	PM Hours
Single Moves			
Double Moves			
Hzr Mat			
Reefers			
Out of Gauge			
MT Delivery/Return			

**Worktime Vessel(s)\*:**

Vessel Name(s)	Estimated Start Time(s)	Total Lifts	First Available

**48-Hour Anticipated Vessel Forecast:**

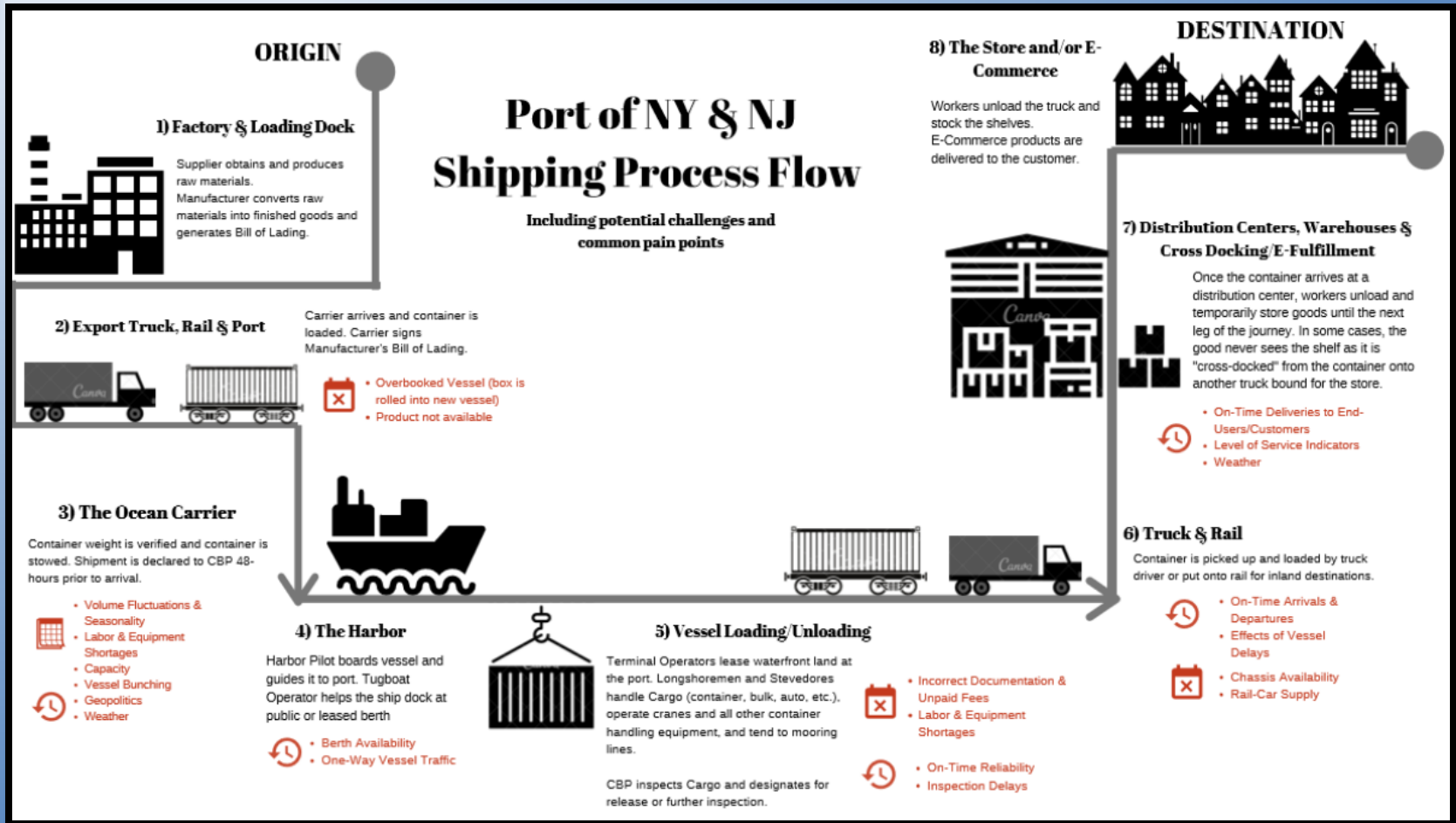
Vessel Name(s)	Status	Cut Off

**Notes:** (i.e. Holidays, Row Closures, Out of Gauge Instructions)

*\*Subject to change*

# Creation of a Process Flow Diagram for BCO Outreach

*A Collaborative Effort  
for a Collective Change*





# Warehouse & Distribution Center Survey



- Third-party market research provider hired to conduct phone interviews with warehouses and distribution centers in the region
- Questions focused on addressing certain business practices:
  - Weekend operating hours
  - Appointment requirements for inbound shipments
  - After-hours availability
- Responses will provide valuable insights into WH and DC operating hours in order to provide an opportunity for further discussion and better alignment with respect to PONYNJ operations and gate hours
- Preliminary Findings:
  - Core operating hours 7:00 AM – 5:00 PM
  - Appointment system at GCT Bayonne is working!
  - Helpful for terminals to standardize their hours of operation

# Addressing Emerging Issues



## Empty Container Returns

- Ocean carriers direct truckers on short notice to a specific terminal where their empty containers can be returned.
  - MT containers often directed to a location where the truckers doesn't have other business to conduct.
- Meanwhile, other truckers arriving with outbound (export) loads, or showing up to take delivery of an inbound container (imports).
- All trying to utilize the same gates
- Leads to congestion at the terminals and roadways

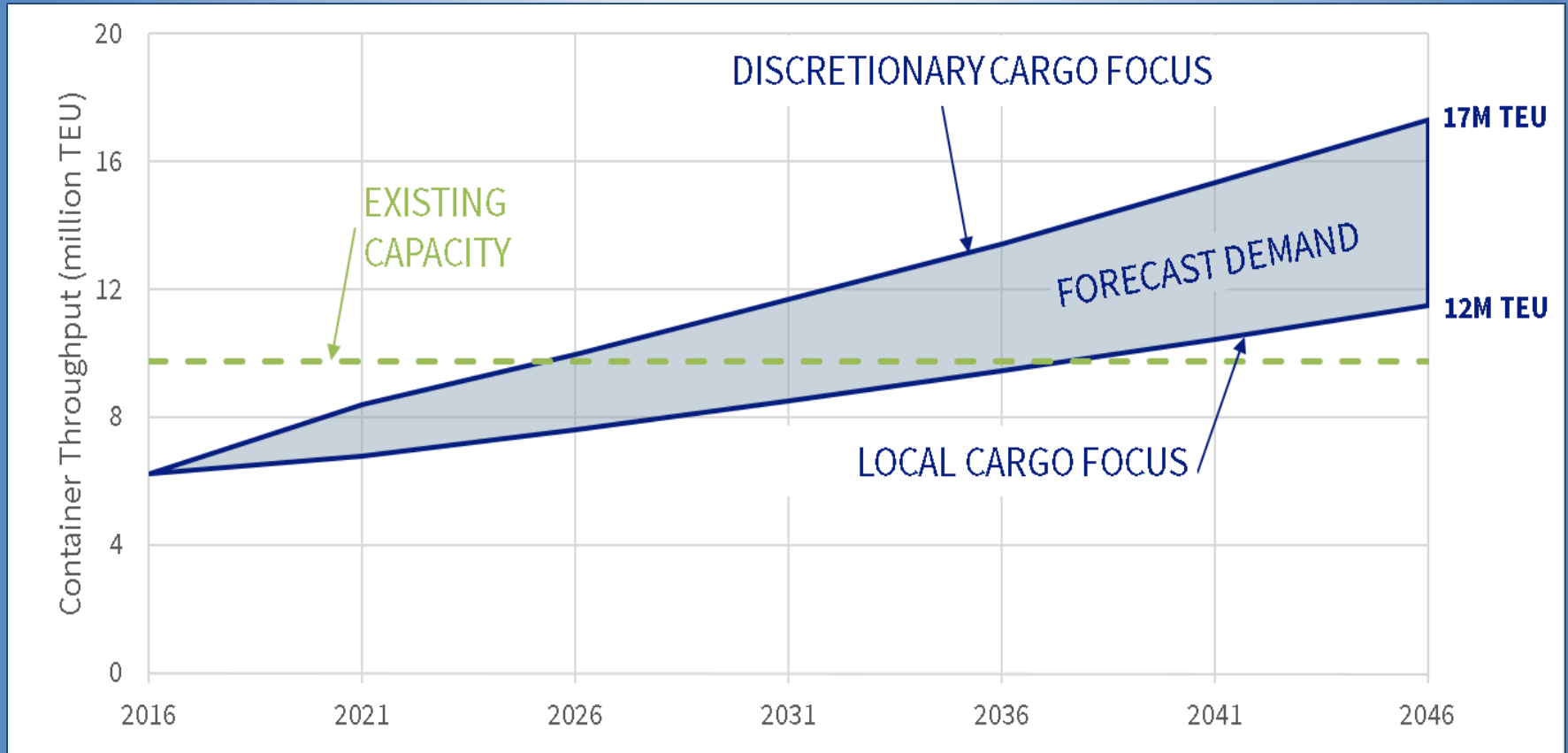
## Street Turn Fees

- Street turns designed to take cost and complexity out of the transportation supply chain by eliminating empty truck moves and facilitating the exchange of an empty container (and chassis) closer to where it is needed.
- Benefit ports, container depots, chassis providers, shippers and truckers
- Some ocean carriers recently started assessing a fee to port truckers for street exchanges of containers
  - Added cost met with resistance from shippers and truckers

# Record TEU Volume & On-Dock Rail Lifts



# Forecasted Container Growth



# Thank You

**The Port Authority of NY & NJ**

**Port Department**

4 World Trade Center

150 Greenwich Street 17th Floor

New York, NY 10007

**avaldes@panynj.gov**

Find us at:

Webpage: <http://www.panynj.gov/port/council-on-port-performance.html>

LinkedIn: <https://www.linkedin.com/company/port-authority-of-ny-&-nj/>



The Port is a facility of The Port Authority of NY & NJ