PORT OF NEW YORK & NEW JERSEY
RAIL FACILITY EXPANSION PROGRAM

New England Rail Forum & Expo
March 28, 2006
Port of NY & NJ Marine Terminals

Port Newark
Global
NY Container
Vehicles
Red Hook
Port Elizabeth
THE PORT AT A GLANCE

Ranking (containers):
- Largest port on the U.S. East Coast
  (58.4% North Atlantic market share)
- 3rd largest port in the U.S.
- 15th largest port in the World

2005 Trade Statistics:

<table>
<thead>
<tr>
<th>Category</th>
<th>Quantity</th>
<th>Change</th>
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</thead>
<tbody>
<tr>
<td>General Cargo Tonnage*</td>
<td>28.1 million</td>
<td>+ 10.4%</td>
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<tr>
<td>Total Containers</td>
<td>2.8 million</td>
<td>+ 6.9%</td>
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<tr>
<td></td>
<td>(4.8 Mil. TEUs)</td>
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<tr>
<td>Automobiles</td>
<td>722,411</td>
<td>- 0.9%</td>
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* metric tons
Sources of Growth:
Increased Market Demand / Shift of China and SEA Trade from West-Coast Ports to PONYNJ
Port of NY & NJ – Inland Transport

- Trucks are the principal mode for the Port’s local and regional cargo, handling nearly 85% of all containers due to the extremely large local market.

- Railroads are the principal mode especially to/from points around 400 miles away, handling about 14% of all containers.

- Barge or feeder ships currently play a limited role in container transport but should grow in the future.
INTERMODAL SERVICES
Three Major Rail Carriers
Primary Rail Destinations
Port of NY & NJ

Competitive rail service connects the port to inland markets
Port of New York & New Jersey
Intermodal Rail Linkages

[Map showing rail linkages and locations such as "Morristown", "North Bergen", "Little Ferry", "Newark", "Elizabeth", etc.]
Port of New York & New Jersey
Historical Intermodal Rail Volume – Annual Lifts

The chart illustrates the annual intermodal rail volume for the Port of New York & New Jersey from 1987 to 1992. It shows a gradual increase in volume over the years, with a peak in 1990. The volume levels range from 0 to 60,000 units.
Port of New York & New Jersey
1991 – A Watershed Year for Rail Growth

- Daily doublestack service started
- Canadian Pacific acquired D & H – Canadian rail connection established
- Port charges reduced for inland movements
- First ExpressRail on-dock terminal opened
- Port Authority created new Intermodal Unit
Port of New York & New Jersey
On-Dock Rail Volume is Growing
Port of New York & New Jersey
Projected Rail Growth

Rail Volume (LIFTS)

- Rail Volume (LIFTS) increased significantly from 1990 to 2030.
- The rail volume is projected to grow from around 200,000 to over 1,800,000 LIFTS by 2030.
- The growth is steady with a sharp increase after 2010.

The Port Authority of New York & New Jersey

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY
Port of New York & New Jersey
Reasons for Projected Rail Growth

Port Throughput is Growing

- Global economy
- Increased demand for imports and exports
- Rail participates in port growth
- Increasing demand for rail transport
- Higher trucking costs
- More short-haul rail
Port of New York & New Jersey
Advantages of Rail Transportation

• More port volume lowers cost per unit
• More port-related jobs
• Enhanced port competitive position
• Improved fuel efficiency vs. trucking (2 to 4 times more efficient)
• Environmental benefits (about 1/3 NOx of trucks)
• Alleviates traffic congestion (one train = 500 trucks)
• Safety, including hazardous materials transport
Port of New York & New Jersey
Intermodal Rail Program

Dedicated Rail Terminals including:
• ExpressRail (APM & Maher - Elizabeth)
• PNCT Rail Terminal (Port Newark)
• Port Ivory (NY Container Terminal)

Intermodal Support Yards including:
• Corbin Street Yard (Newark/Elizabeth, NJ)
• Arlington Yard (Staten Island, NY)

Regional Rail Capacity Enhancements
Port of New York & New Jersey
ExpressRail Intermodal System

- ExpressRail - Port Newark
- ExpressRail - Elizabeth
- ExpressRail - Staten Island
- Arlington Support Yard
- Corbin Street Support Yard
- Chemical Coast Line
- Chemical Coast Connector
- Staten Island Railroad
- ExpressRail Flyover

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY
ExpressRail Elizabeth
New Terminal Opened October, 2004
ExpressRail Elizabeth
Old Corbin Street Grade Crossing
ExpressRail Elizabeth
New McLester Street Grade Crossing Separation
New Jersey Marine Terminals
Intermodal Rail Projects

- ExpressRail Port Newark Expansion
- Corbin St. Yard First Phase
- Portside Support Yard In Service
- ExpressRail Elizabeth Expansion to 10 Tracks
- ExpressRail Flyover Track 1 in Service
- ExpressRail Flyover Track 2 in Design
New Jersey Marine Terminals
Intermodal Rail Program

ExpressRail Elizabeth Expanded to 18 Tracks
Corbin St. Support Yard Expansion
Portside Yard Merged with Corbion St Yard
ExpressRail Newark Further Expansion
Second Lead Track Completed to Elizabeth