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# *The Port of New York & New Jersey A Leading Indicator of Globalization*

*Transportation Research Forum*

*Plenary Session*

*March 23, 2006*

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**Director – Port Commerce Department**

**Port Authority of New York & New Jersey**



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# *The Port Authority of New York & New Jersey*



**Responsible for**

**Airports**

**Tunnels & Bridges**

**PATH**

**Port of NY & NJ**

**World Trade Center Site**

**Established in 1921 by an act of US Congress**

**Financially self-supporting through user fees and bond issues.**

**Board of Commissioners chosen by Governors of NY(6) and NJ(6)**



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## *International Trade Increases*

### *World Trade's Contribution to U.S. Gross Domestic Product*



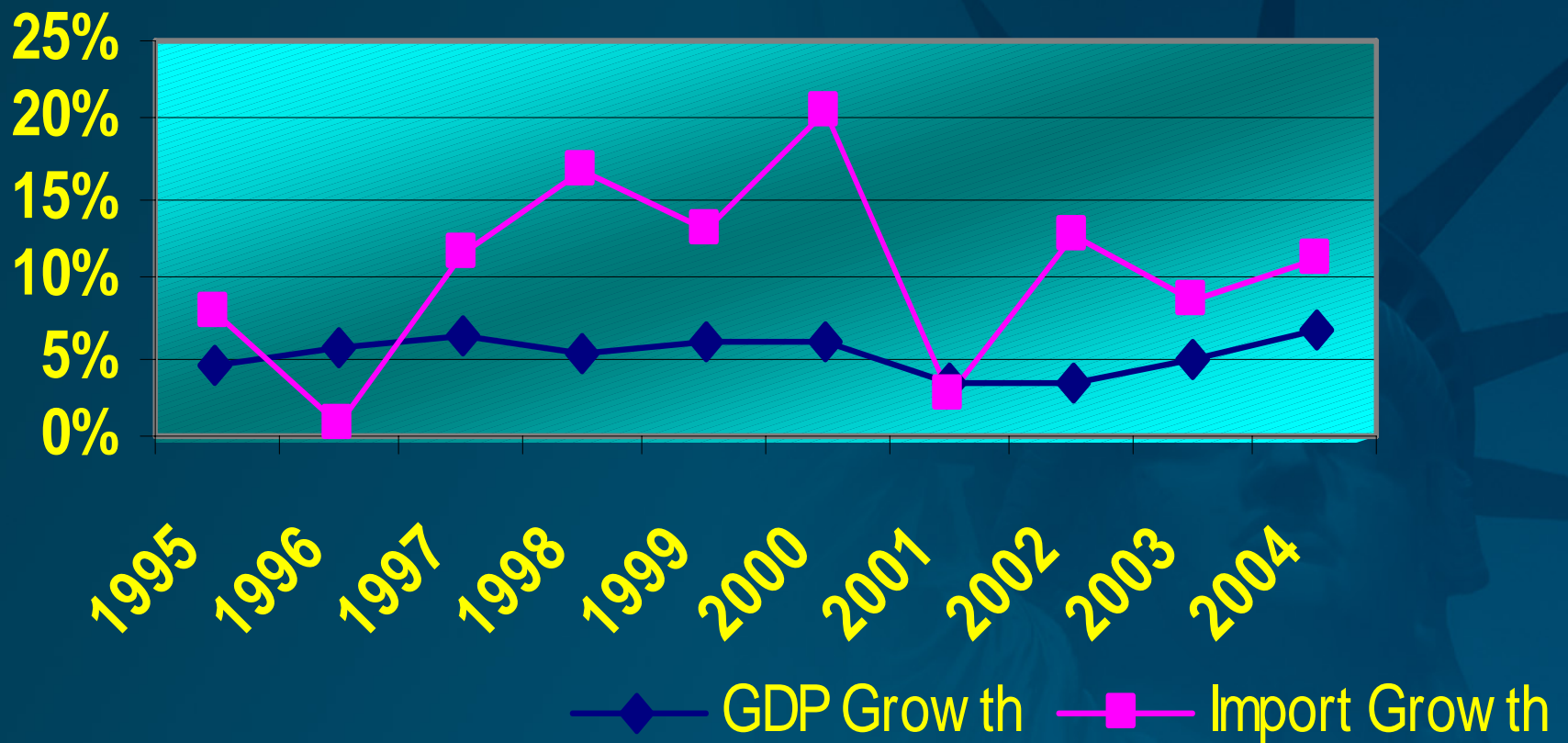
Source: U.S. Bureau of Labor Statistics  
1996 Dollars



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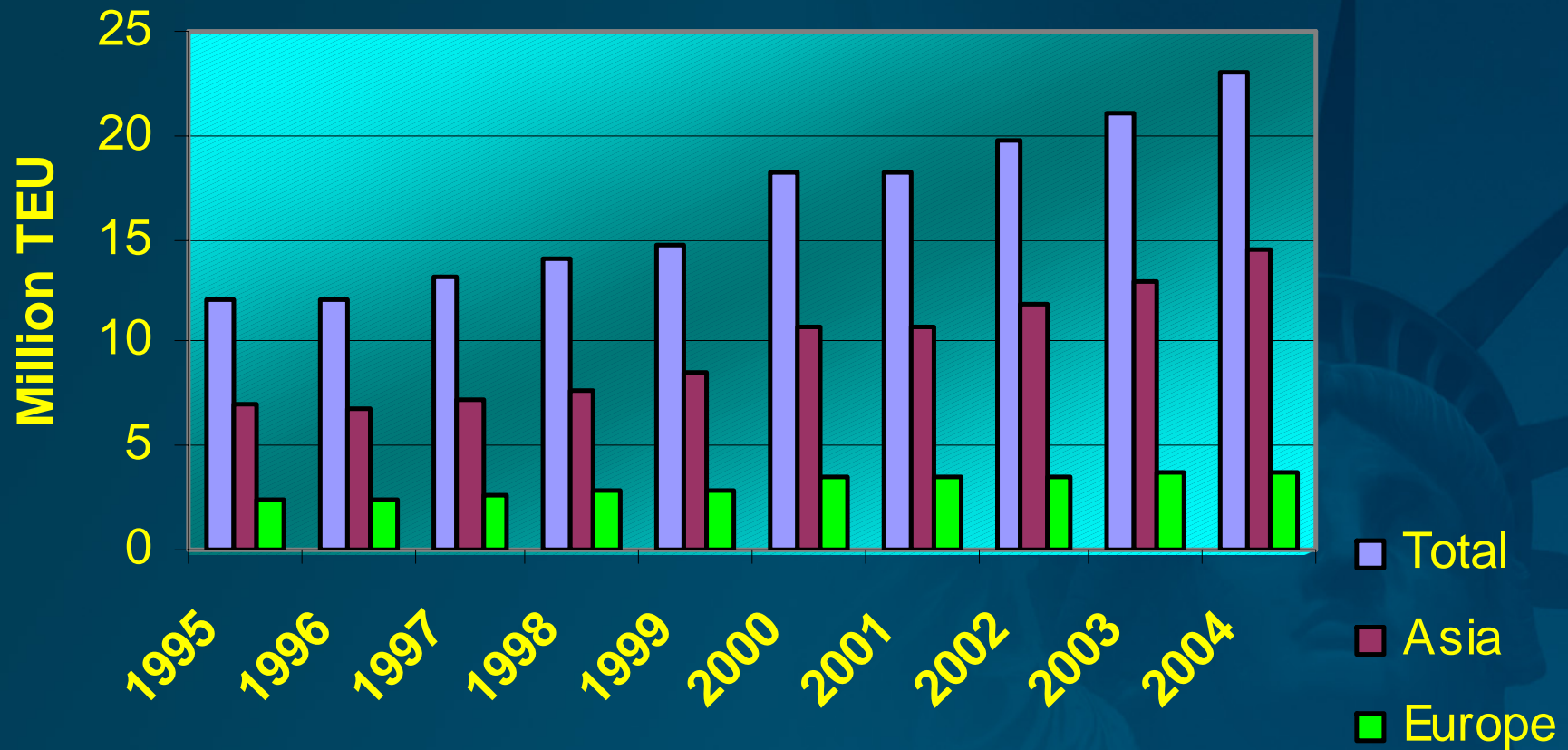
## Historic Pattern of Growth

### Gross Domestic Product vs. Import Growth



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## *Growth in Trade with Asia*



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# ***Northeast USA is the Largest Consumer Market***

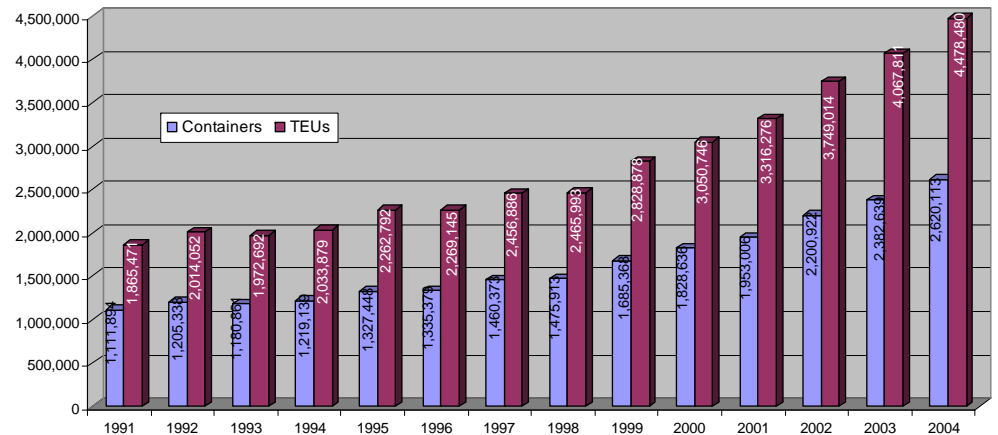


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# Impact on the Port of New York and New Jersey



Port of NY/NJ Containers and Total TEUs, 1991 - 2004



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# Transit Times Asia - NY/NJ

<u>Hong Kong</u>		CKYH AWE4	22 days
		GA ECN	23 days
		NWA NYX	23 days
<u>China</u>	Yantian/Shekou	CYKH AWE-4	23 days
		CYKH AWE-1	24 days
		GA ECN	23 days
	Shanghai	NWA NYX	26 days
		GA ECN	26 days
		CYKH AWE-1	27 days
		CYKH AWE-4	26 days
	Ningbo	MSC Asia/USWC-EC	27 days
<u>Taiwan</u>	Kaohsiung	CKYH AWE4	27 days
		NWA NYX	22 days
		Evergreen/LT AUE	23 days
<u>Korea</u>	Busan	CYKH AWE-1	20 days
		CYKH AWE-3	23 days
<u>Singapore</u>		Grand Alliance AEX	25 days
<u>Thailand</u>	Laem Chabang	Grand Alliance AEX	28 days
<u>Sri Lanka</u>	Colombo	Grand Alliance AEX	21 days
		CMA/Contship/SCI/APL/HPL Indamex	23 days
<u>India</u>	Nhava Sheva	CMA/Contship/SCI/APL/HPL Indamex	18 days
		Maersk MECL	24 days



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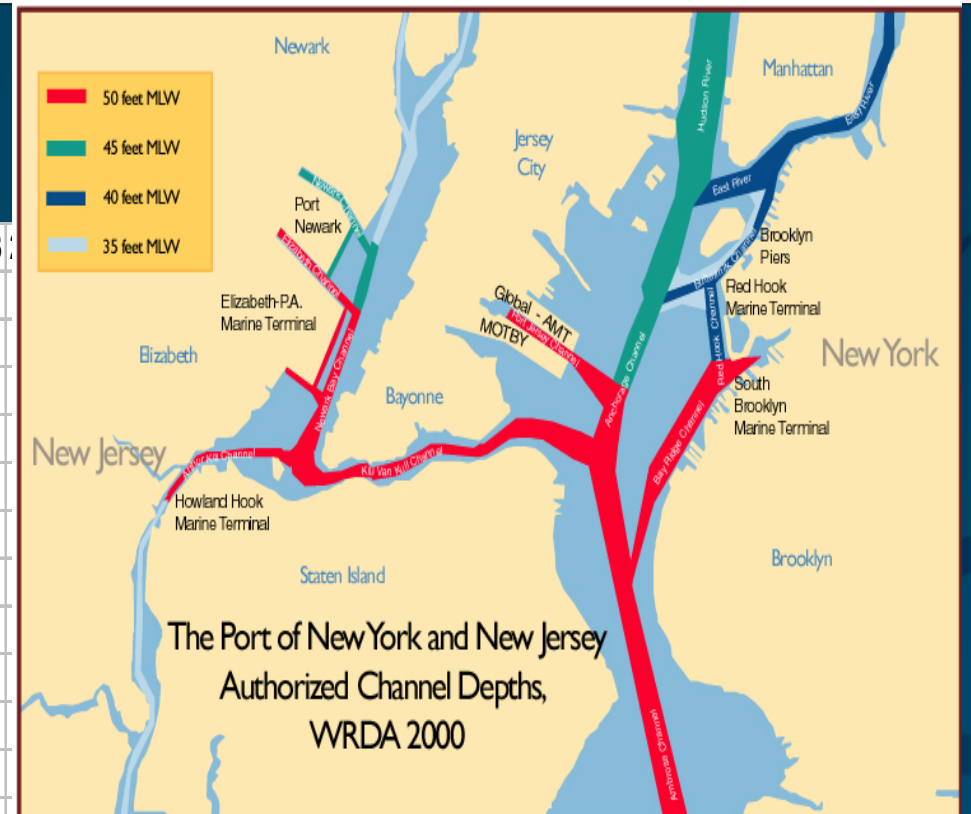
## ***Impact of Globalization and our Challenges***

- **Large shippers driving supply chain**
- **Ocean carriers looking to larger vessels**
- **Increased strain on land-side infrastructure**
- **Operating in an environmentally and financially sustainable manner**
- **Providing a return to the region**
- **Providing for safe and secure supply chain**



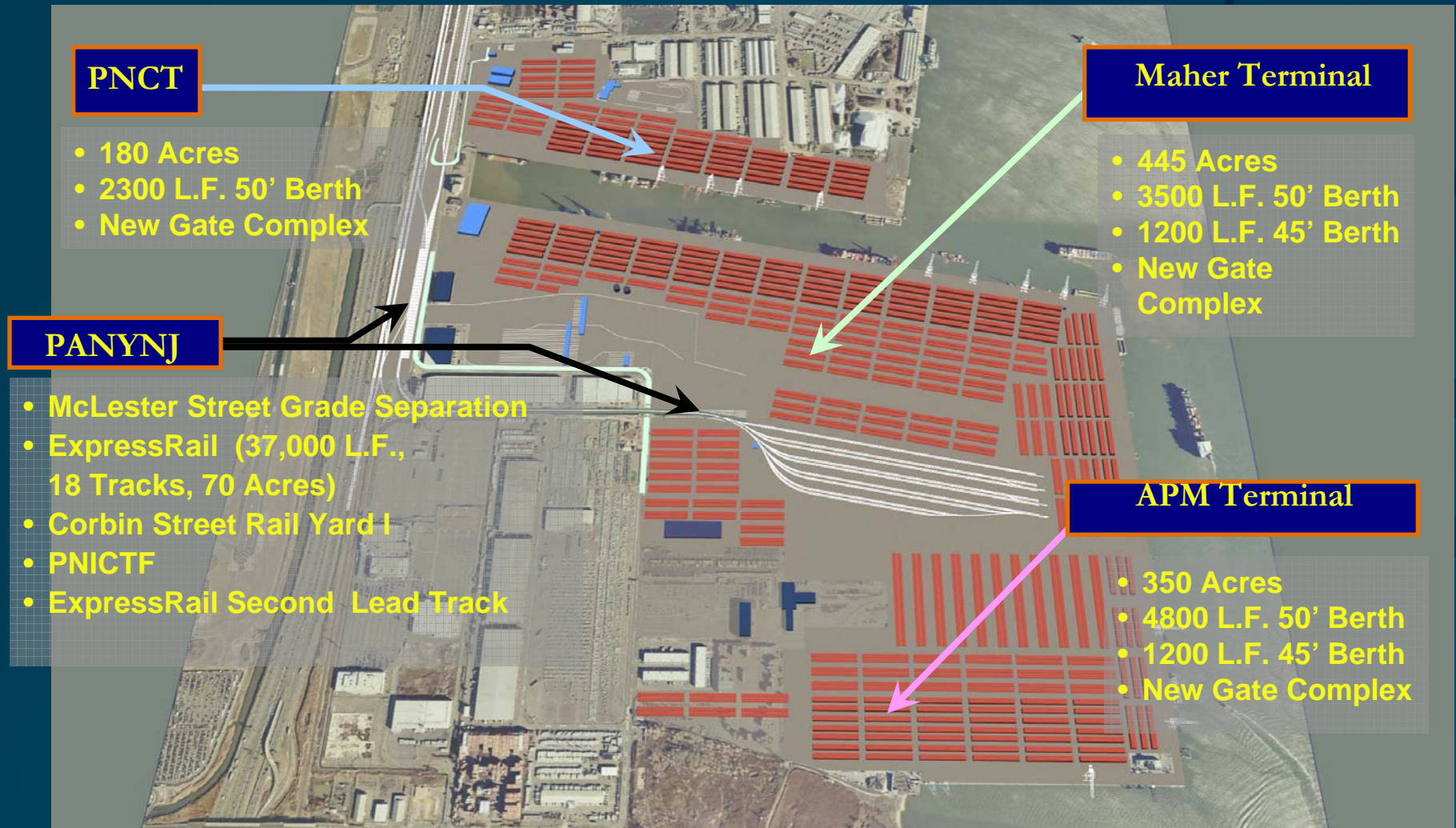
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# Deepening Projects



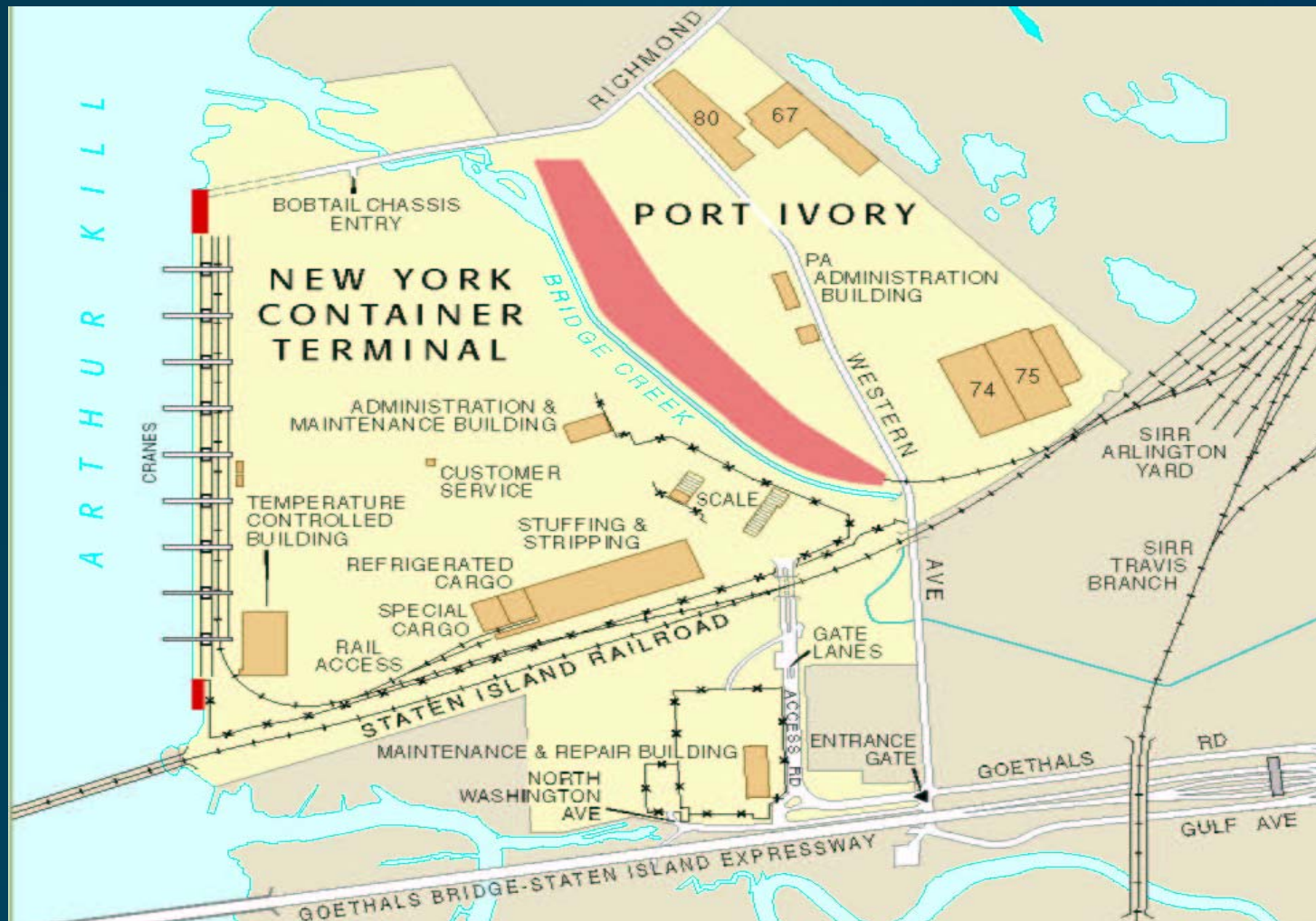
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# Full Build-out 2008





# New York Container Terminal



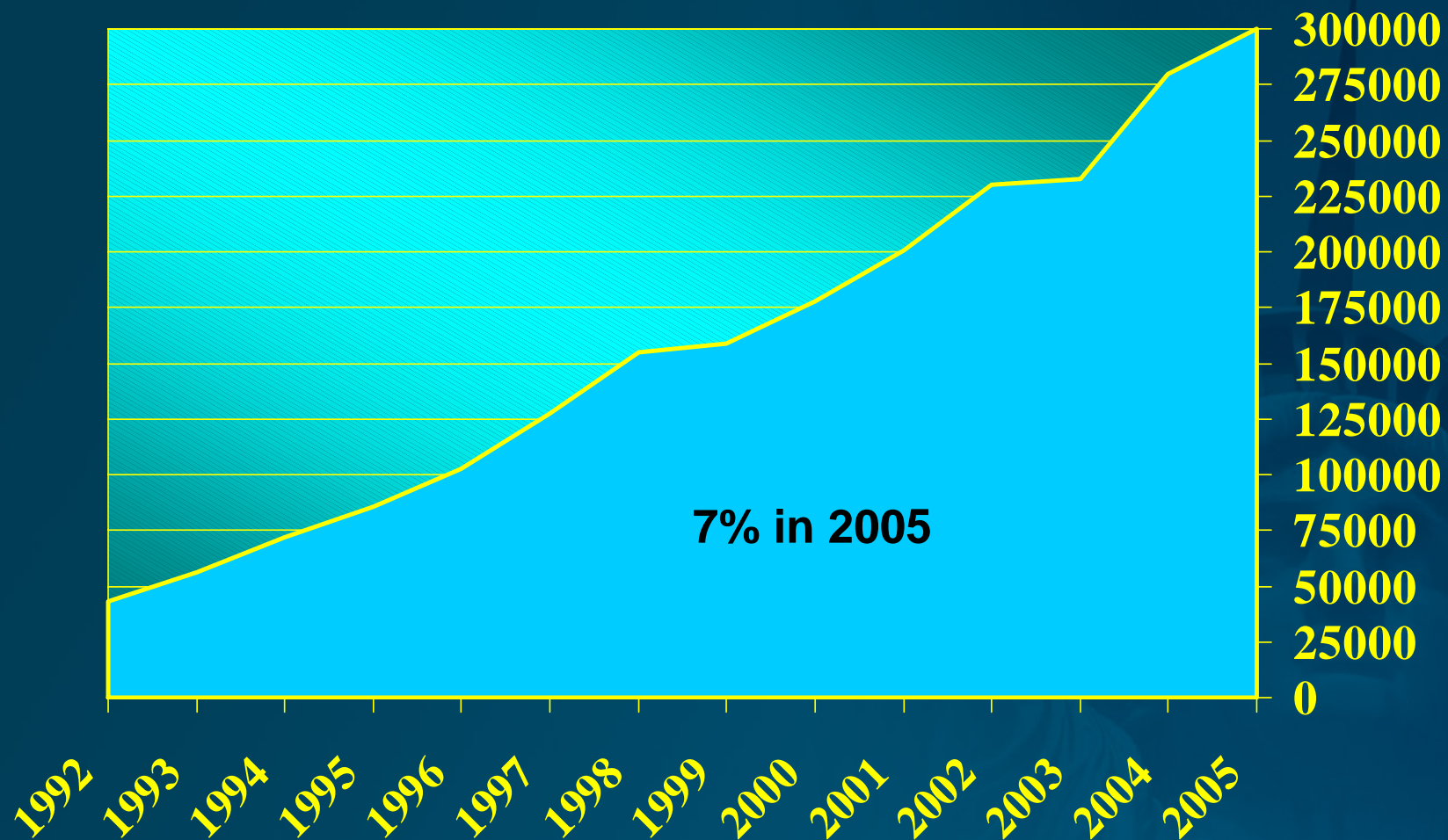
**SIRR reactivation with connection to Chemical Coast Line in Elizabeth, just across the Arthur Kill, in early 2006.**



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# *Port of NY & NJ On-Dock Rail Volume is Growing*



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# *ExpressRail Intermodal System*



Building a network of interconnected rail projects



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## Regional Access Program Phase 1



**\$50M, half Port Authority, half Norfolk Southern and CSX.**

**Designed to improve the port's access to the rail network.**

**Will speed train movements through Northern New Jersey.**



# *Redevelopment Program Highlights 2005*

## ➤ **Rail**

- **Former ExpressRail facility in Elizabeth demolished and repaved. Construction of Tracks 9&10 of new facility commenced.**
- **Construction of ExpressRail Corbin Street Intermodal Support Facility begun**
- **Construction on 39 acre HHMT ExpressRail Intermodal Terminal begun.**
- **Significant port of Chemical Coast North Connector rail line completed.**

## ➤ **Waterways**

- **The 45 foot channel to Port Newark and Elizabeth opened**
- **Substantial part of 41 foot channel to Port Jersey Peninsula completed**
- **Substantial part of 41 foot channel to HHMT completed**
- **50 foot project started**

## ➤ **Warehousing and Distribution**

- **Four Portfields sites have applied for FTZ status for total of over 8 million square feet of planned w & d space.**



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# Environmental Stewardship

## Project:

- Onsite Terminal Improvements
  - Electrification of Port Cranes
  - New yard and gate equipment and systems
- Redevelopment of Brownfields
  - Voluntary clean-up of Port Ivory
  - Portfields program
- Improving Ocean Access through Harbor Deepening
  - Beneficial Use of Dredged Material
  - Retrofitting all Staten Island Ferries
  - Contaminant Assessment Reduction Program
- Model Green Port
  - EMS
- Voluntary Tenant Environmental Awareness Training

## Benefits

30% reduction in emissions

Site Remediation  
Jobs & Rateables

Jersey Garden Mall, Reefs  
Over 400 tons of NO<sub>x</sub> reduced  
ID sources, predict flows and develop reduction plan

Reduce environmental impacts

AAPA award for tenant program



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## ***Providing a Safe and Secure Environment***

- ✓ **Transportation Worker Identification Card**
- ✓ **National and International Framework for Cargo Security**
- ✓ **Improved Event Response and Mitigation**



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## ***Contribution to Region***

### **2004 Rutgers University analysis**

- **Provided 122,550 direct full-time equivalent jobs in region**
- **Provided total of 232,900 full time equivalents in 26 county metro region**
- **Generated \$12.5 billion in wages**
- **Contributed \$2 billion in state and local tax revenues**
- **Contributed \$3.8 billion to in federal taxes**



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