



# Building Strong

-Ready for all Contingencies

-Engineering Sustainable Water Resources

-Delivering Innovative, Resilient, Sustainable Solutions

-Recruiting & Retaining Strong Teams



## Worldwide organization

## 236+ years of service



# The U.S. Navigation Assets

## COASTAL NAVIGATION

1067 Navigation Projects

19 lock chambers

13,000 miles of channels

929 navigation structures

844 bridges

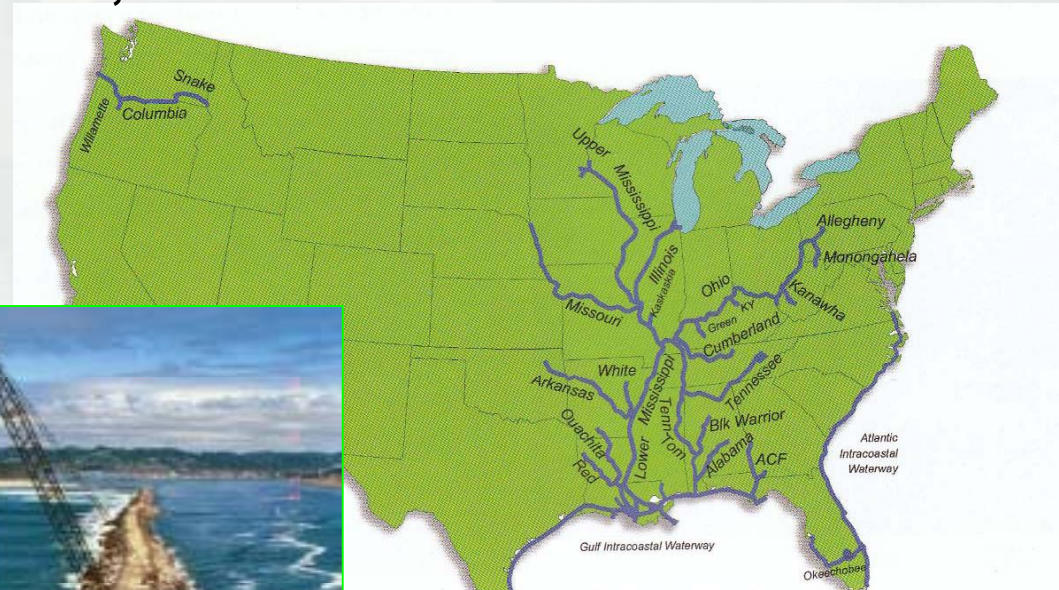


## INLAND NAVIGATION

27 Inland River Systems

207 lock chambers @ 171 lock sites

12,000 miles of inland river channels



**BUILDING STRONG®**

# Administration Objectives

- Double exports in 5 years
- Improve the environment
- Reduce Green House Gas (GHG) emissions
- Reduce fossil fuel consumption



Navigation has a key role in all of these!



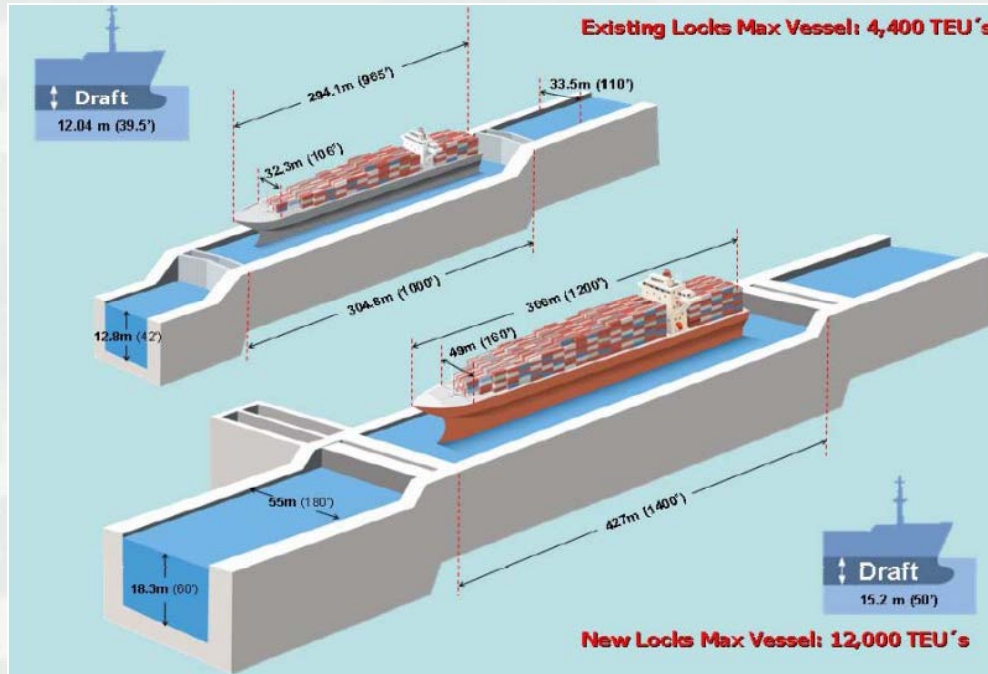
# Coastal Navigation

- Value of all foreign trade represents nearly 30% of Nation's GDP
- Overseas waterborne trade
  - 95% of overseas trade by volume
  - 75% of overseas trade by value
  - 60% of all US grain exports are shipped through the mouth of the Mississippi River
  - 16 million jobs
- About \$2.3T in economic activity
- Many coastal ports nearing capacity
- Cargo volumes of 2000 projected to double by 2025
- Already a generation behind in channel design – but West Coast in better shape
- Capacity constraints increase transportation costs, pollution, congestion





# New PANAMAX Vessels



	Locks	Panamax	New locks	New Panamax
<b>Length</b>	1,050 ft (320.04 m)	965 ft (294.13 m)	1,400 ft (427 m)	1,200 ft (366 m)
<b>Width</b>	110 ft (33.53 m)	106 ft (32.31 m)	180.5 ft (55 m)	160.7 ft (49 m)
<b>Depth, draft</b>	41.2 ft (12.56 m)	39.5 ft (12.04 m)	60 ft (18.3 m)	49.9 ft (15.2 m)
<b>TEU</b>		<b>5000</b>		<b>12000</b>



# US Harbors 45' or Greater



## WEST COAST

Seattle/Tacoma (>50')  
Oakland (50')  
LA/LB (>50')

## EAST COAST

NY/NJ (50')  
Baltimore (50')  
Hampton Roads (50')  
Charleston (50')  
Miami (45')

## GULF COAST

Mobile (45')  
New Orleans (45')  
Houston/Galveston/Texas City (45')  
Corpus Christi (45')  
Freeport (45')



# Navigation Funding – Pres Budget

(\$million)

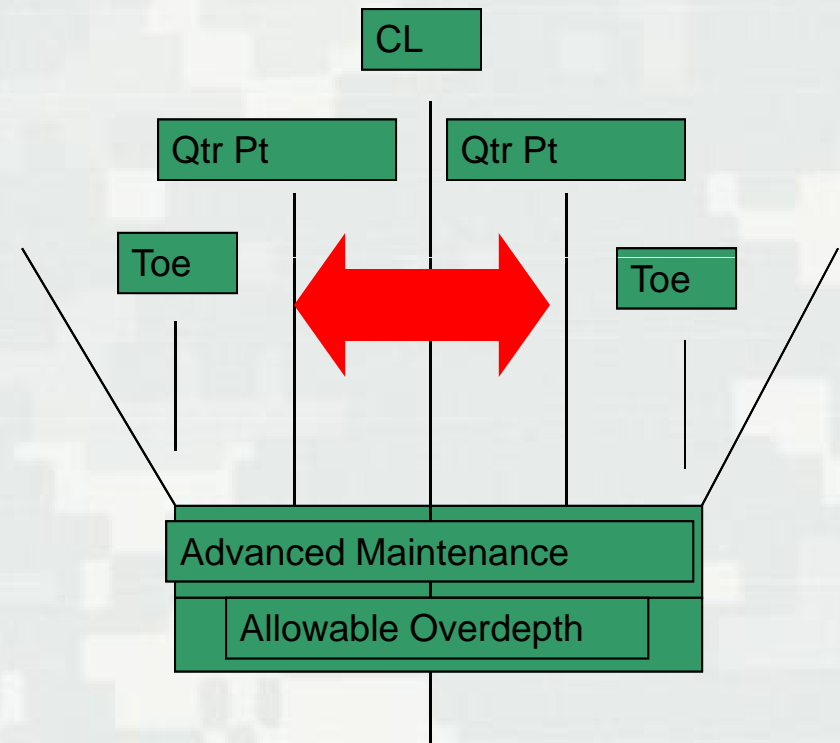
Pres Bud	Coastal	Inland	Nav	CW total	Nav Percent
<b>FY12</b>	<b>\$832</b>	<b>\$744</b>	<b>\$1576</b>	<b>\$4631</b>	<b>34</b>
<b>FY11</b>	<b>\$873</b>	<b>\$779</b>	<b>\$1652</b>	<b>\$4939</b>	<b>33</b>
<b>FY10</b>	<b>\$971</b>	<b>\$796</b>	<b>\$1767</b>	<b>\$5125</b>	<b>35</b>
<b>FY09</b>	<b>\$969</b>	<b>\$931</b>	<b>\$1900</b>	<b>\$4741</b>	<b>40</b>
<b>FY08</b>	<b>\$957</b>	<b>\$1057</b>	<b>\$2014</b>	<b>\$4900</b>	<b>41</b>

Trend is declining funds  
 Navigation down 22% in the last 5 years.



# Coastal Navigation Channel Performance

- High Use Projects, >10M tons/year
- Goal: Half channel width, 95% of time
- Actual: 35% of time



Analogy to building a 2-lane road; Present funding allows one lane, one-third of the year



# Harbor Maintenance Trust Fund

- Established under WRDA 1986; Modified under WRDA 1996
- *Ad valorem* fee
- The revenues are collected from Shippers by U.S. Customs
- Purpose of Trust Fund: USACE O&M; St. Lawrence Seaway O&M
- According to the Department of Treasury, the balance in the account at the end of FY 2010 was approximately \$5.6 billion.
- *The surplus in the Trust Fund is growing at an increasing rate with revenues exceeding appropriations for authorized purposes.*



# Summary

- **The marine transportation system is a vital part of our Nation's Infrastructure-critical to America's continued growth and prosperity**
- **The Corps is a partner in ensuring the nation's coastal ports remain viable for the Nation**
- **Demands for waterway transportation are increasing requiring improved and reliable infrastructure**
- **To remain an active player in world economy, the United States needs to establish a national strategy**
- **We need to continue to educate the public on the importance of our Nation's Coastal infrastructure and its present condition**
- **Support a collaborative approach to develop a national strategy to meet the future waterborne commerce needs of the nation**



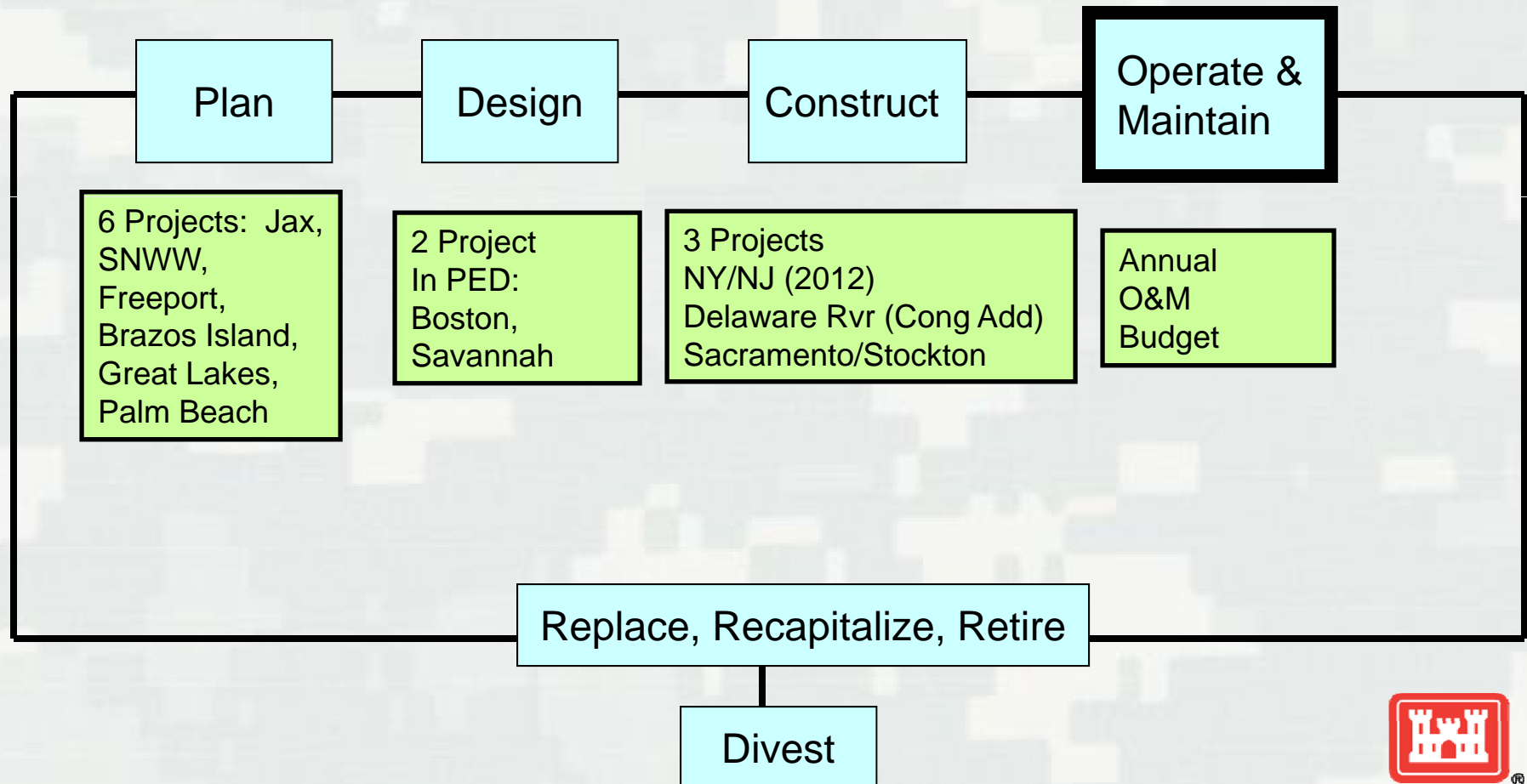
# Questions / Comments

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# Coastal Navigation Capital Investment Program



# FY 2012 Navigation Funding Accounts

## Navigation Civil Works

Investigations	\$ 18 M	\$ 104 M
Construction	\$ 283 M	\$1,480 M
Operations & Maintenance	\$1,237 M	\$2,314 M
Miss River & Tributaries	\$ 37 M	\$ 210 M
Other	\$ 0 M	\$ 523 M
<b>TOTAL:</b>	<b>\$1,575 M</b>	<b>\$4,631 M</b>

