

# US Navigation Program Overview

*For the ERDC and Dutch  
Ecoshape meeting*

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®

US Army Corps of Engineers  
**BUILDING STRONG**®



# US Army Corps of Engineers (USACE) Civil Works Value to the Nation

Recreation areas  
376 M Visitors/yr  
Generate \$15 B in  
economic activity,  
500,000 jobs



3% of Nation's  
Electricity: \$500 M  
+ in power sales



11,000 miles of  
Commercial Inland  
Waterways:  
1/2 the cost of rail  
1/10 the cost of  
trucks

299 Deep Draft  
Harbors



400 miles of  
Shore protection  
Destination for  
75% of U.S.  
Vacations



768 Shallow Draft  
Harbors

8,500 Miles of  
Levees



12 Emergency  
Responses



Stewardship of  
11.7 Million Acres  
Public Lands



Environmental  
Restoration



100,000 permits  
Most in 14 days



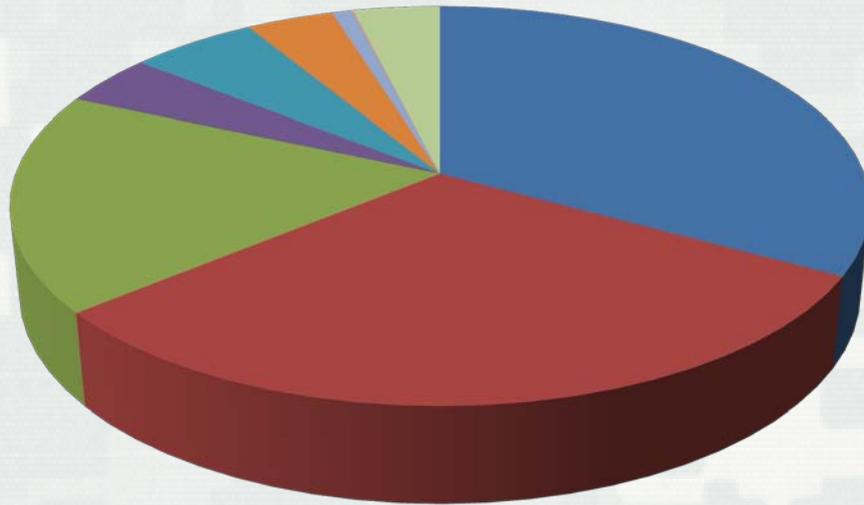
# USACE Missions

Military

Support for the Soldier

Civil Works

FY2011: \$4939 million



- Navigation (1658)
- Flood Damage Reduction (1543)
- Env Stewardship (890)
- Hydropower (207)
- Recreation (280)
- Regulatory (193)
- Emergency Response (43)
- Water Supply (4)
- Other (191)



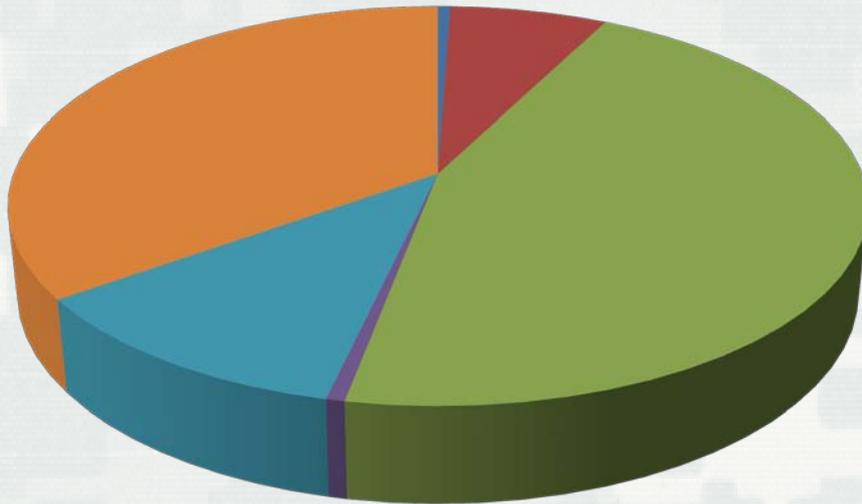
# Navigation Program

## FUNDING

Fiscal Year 2011

- Coastal - \$878M
- Inland – \$780M

- Coastal Investigations (9)
- Coastal Construction (115)
- Coastal O&M (754)
- Inland Investigations (10)
- Inland Construction (190)
- Inland O&M (580)



# USACE Navigation Mission

Provide safe, reliable, efficient, effective and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation.



# USACE 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



# Distribution between Construction and Maintenance for Coastal Navigation

Category	Commerce	Inventory	Maintenance Dredging	Capital Investment
High Use	90%	59	54	7
Moderate Use	9%	100	60	1
Low Use	1%	908	40	3
Total	100%	1067	154	11



# Dredging

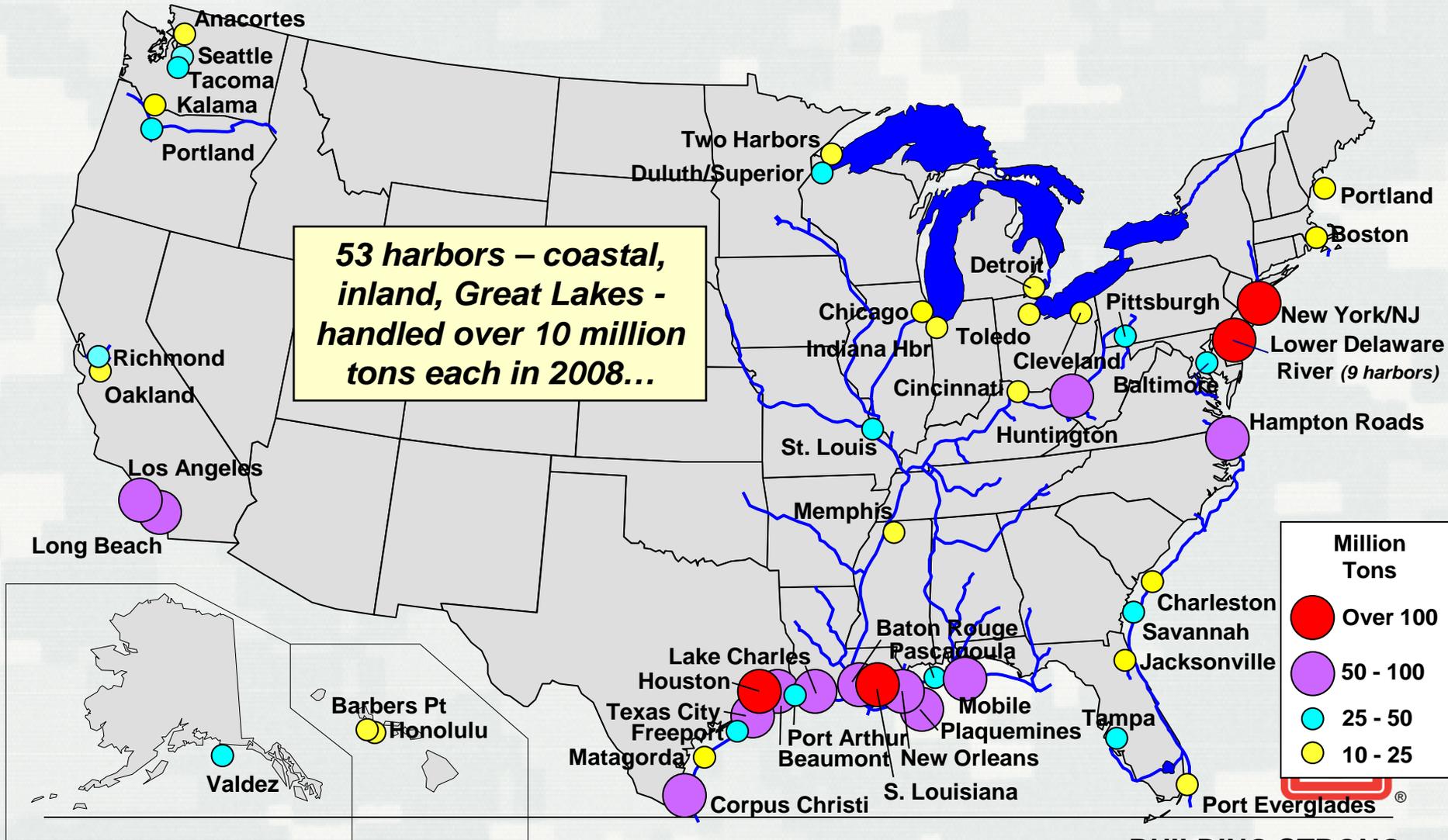
## Quantities and Cost

FY	New Work MCY	New Work \$M	Maint MCY	Maint \$M	WFO MCY	WFO \$M
2006	24.6	\$296	138	\$523	7.6	\$43
2007	25.5	\$266	157	\$617	3.6	\$27
2008	26.1	\$262	159	\$668	2.1	\$6
2009	18.1	\$334	174	\$782	66.4	\$71
2010	17.6	\$265	264	\$956	24.7	\$19
2011*	13.7	\$168	176	\$750	26.5	\$46

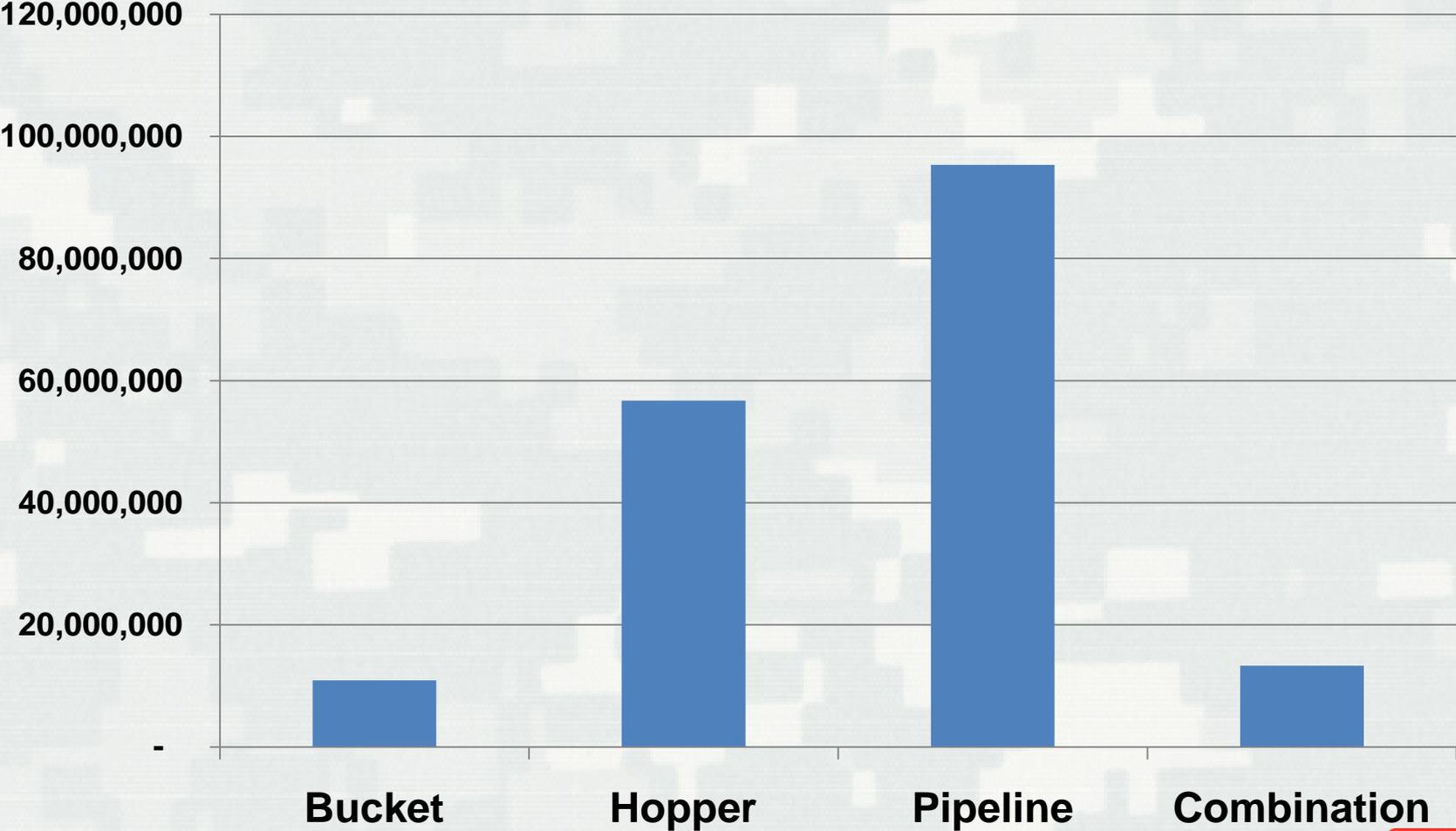
\*Estimated



# U.S. Ports: Vital to Trade and Our National Economy

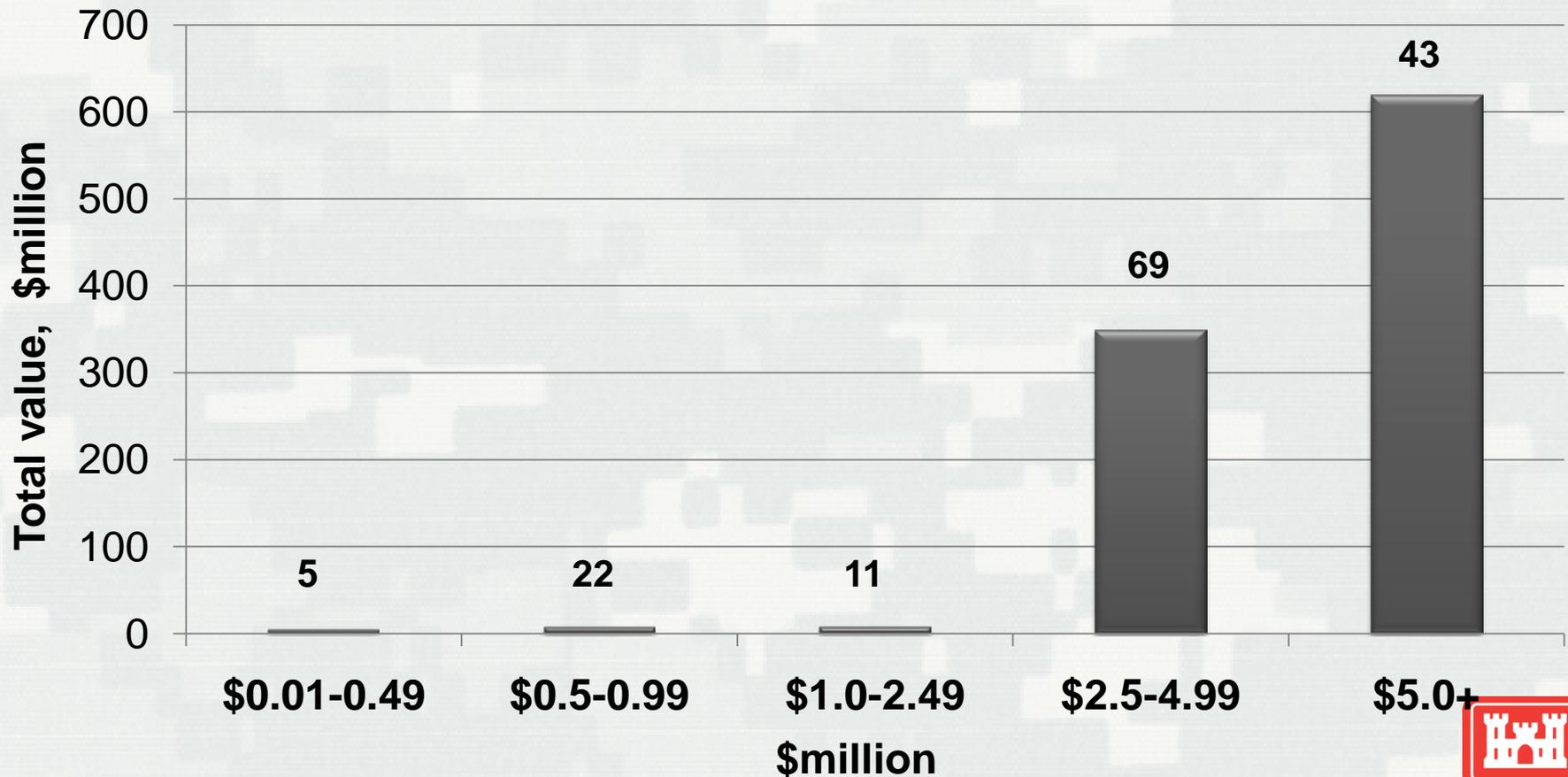


# Cubic Yards by Dredge Type



# Distribution of Contract Value

## 2010 Dredging Contracts



# Beneficial Use of Dredged Material/ Regional Sediment Management

- Corps policy: Determine the least costly, environmentally acceptable method of dredged material placement. This is the Federal Standard
- Corps is willing to place the material at other locations, but someone must pay/or cost share the increased cost over the Federal Standard method
- States seek to mandate Beneficial Use of Dredged Material at full Federal expense
- Navigation program can not bear the full burden of increased dredging and placement cost – funding is decreasing



# Coastal Navigation Issues - Nationwide

- Constrained funding at all levels – Federal agencies, States, Ports
- Dredging Cost Increases
- Dredged material placement capacity issues
- Environmental ‘Windows’: Increasing restrictions on when dredging can be performed
- Perception of dredged material:  
~~‘Spoil’~~ vs. ‘Resource’



# Looking forward to our discussions



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