

# U.S. Army Corps of Engineers Navigation Program Update

## *For California Marine Affairs and Navigation Conference*

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US Army Corps of Engineers  
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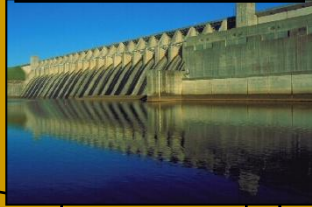


# Corps Civil Works Value to the Nation

**Recreation areas:**  
370 M Visitors/yr  
Generate \$16B  
in economic  
activity,  
270,000 jobs



**1/4 of Nation's  
Hydropower:**  
\$1.5B + in  
power sales



**12,000 miles of  
Commercial Inland  
Waterways**  
transport goods at  
1/2 the cost of rail or  
1/10 the cost of  
trucks



**926 Shallow &  
Deep Draft  
Harbors**



**#1 Federal Provider  
Of Outdoor Recreation**  
54,879 Miles Of Shoreline  
at USACE Lakes



**Stewardship of  
12 Million Acres  
Public Lands**



**~14,500 Miles of  
Levees**



**Emergency  
Operations**



**Regulatory  
Responsibilities**



**137 Major Environmental  
Restoration Projects**



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**US Ports & Waterways Convey > 2.37 billion Tons Commerce**  
**Corps Maintained Ports Provide Strategic Deployment Capability**  
**Harbor Maintenance Trust Fund collects \$1.7 billion revenue**



# Corps Navigation Mission

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



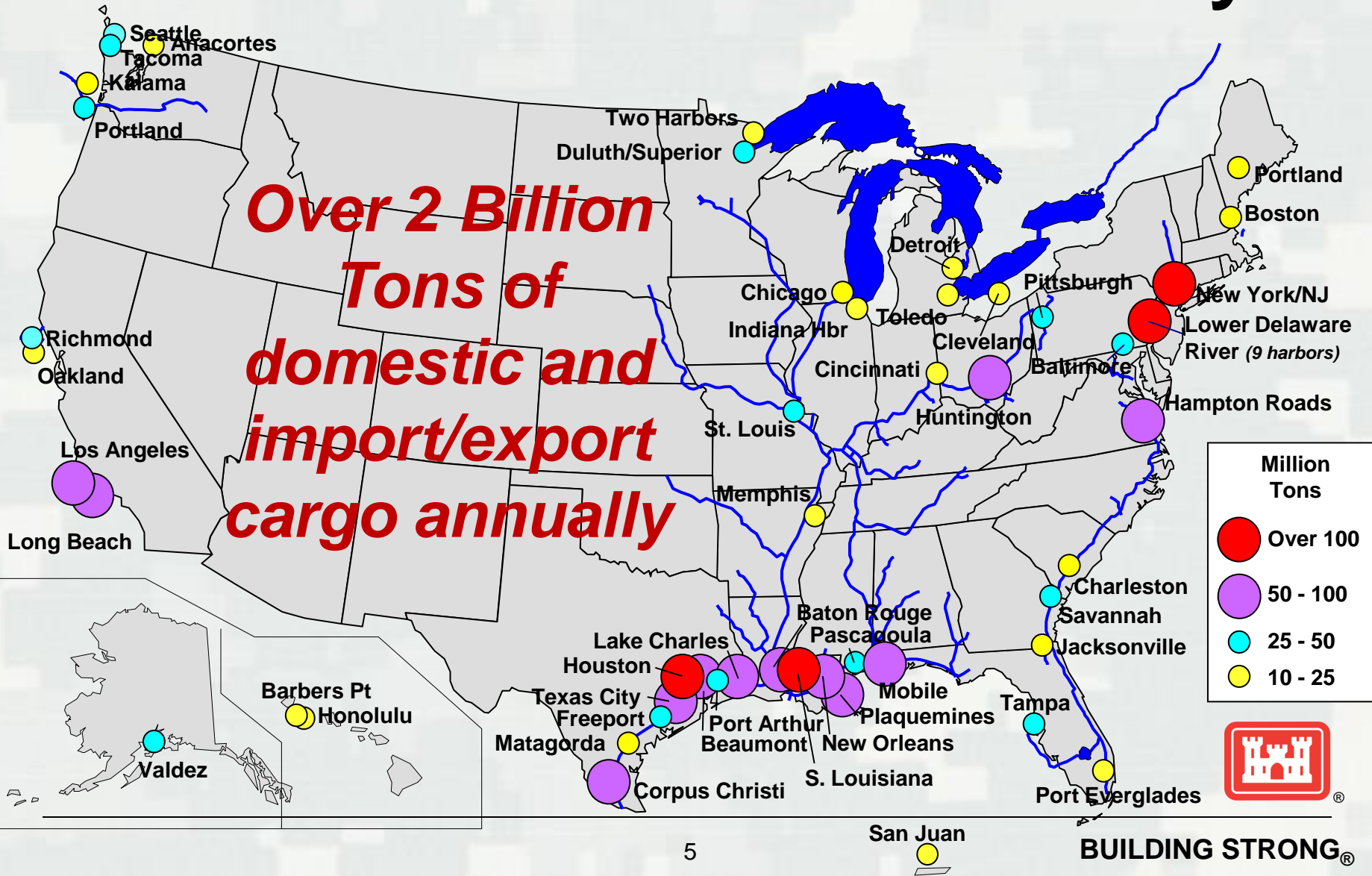
# Navigation Facts

- 99.6% of U.S. overseas trade volume moves through coastal channels maintained by USACE
- The U.S. marine transportation industry supports ~ \$2 trillion in commerce and creates employment for millions of people.
- More than 60% of farm exports move on inland waterways to downstream ports. Nearly 80 million tons of grain move by barge annually.
- One barge can carry as much freight as 15 rail cars or 60 trucks, and reduce traffic congestion and air pollution.
- Average age of our navigation locks is over 60 years.
- In fiscal year 1993, our locks were unavailable 2.5% of time; that number rose to 8% in fiscal year 2011.
- Federal funding has remained flat in nominal terms and declined in real terms.



# U.S. Ports and Inland Waterways: Vital to our National Economy

*Over 2 Billion  
Tons of  
domestic and  
import/export  
cargo annually*





# USACE Navigation Assets

## COASTAL NAVIGATION

1,067 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



# Budget Cycle



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# ***National Priorities for Budgeting***

- A. Provide for National Defense
- B. Reduce the Deficit
- C. Create Jobs and Restore the Economy
- D. Improve Resiliency and Safety of Communities and Infrastructure
- E. Restore and Protect the Environment
- F. Maintain Global Competitiveness
- G. Increase Energy Independence and Renewable Energy
- H. Improve Quality of Life
- I. Support Research and Innovation that leads to American Jobs and Industries

Navigation has a key role in all of these!





# FY 16 Budget

- Budget is performance based.
- Focuses on highest performing projects and programs with high economic, environmental, and public safety returns to the nation.
- Emphasizes operation and maintenance of infrastructure to address critical infrastructure needs and provide a reliable and resilient system.
- Provides a fiscally prudent investment in Nation's water resources infrastructure making tough decisions to put the nation on a fiscally prudent path.
- Navigation focuses on high commercial use coastal harbors and channels with > 10 million tons of commerce; and inland and intracoastal waterways with > 3 billion ton-miles of commerce.



# President's Budgets

(\$millions)

Pres Bud	Coastal	Inland	Nav	CW total	Nav Percent
FY 16	\$973	\$974	\$1,947	\$4,732	41
FY 15	\$991	\$834	\$1,825	\$4,561	40
FY 14	\$980	\$904	\$1,884	\$4,826	39
FY 13	\$967	\$780	\$1,747	\$4,731	37
FY 12	\$832	\$744	\$1,575	\$4,631	34
FY 11	\$873	\$779	\$1,652	\$4,939	33
FY 10	\$971	\$796	\$1,767	\$5,125	35
FY 09	\$969	\$931	\$1,900	\$4,741	40
FY 08	\$957	\$1,052	\$2,009	\$4,900	41



# Navigation Budget by Account

(\$millions)

Pres Bud Fiscal Yr	Investigations	Construction	O&M	MR&T	Total Nav
<b>FY 16</b>	<b>\$25</b>	<b>\$321</b>	<b>\$1,563</b>	<b>\$38</b>	<b>\$1,947</b>
<b>FY 15</b>	<b>\$22</b>	<b>\$277</b>	<b>\$1,487</b>	<b>\$39</b>	<b>\$1,825</b>
<b>FY 14</b>	<b>\$23</b>	<b>\$345</b>	<b>\$1,461</b>	<b>\$55</b>	<b>\$1,884</b>
<b>FY 13</b>	<b>\$25</b>	<b>\$352</b>	<b>\$1,326</b>	<b>\$44</b>	<b>\$1,747</b>
<b>FY 12</b>	<b>\$18</b>	<b>\$283</b>	<b>\$1,237</b>	<b>\$37</b>	<b>\$1,575</b>
<b>FY 11</b>	<b>\$19</b>	<b>\$291</b>	<b>\$1,297</b>	<b>\$45</b>	<b>\$1,653</b>
<b>FY 10</b>	<b>\$19</b>	<b>\$288</b>	<b>\$1,411</b>	<b>\$48</b>	<b>\$1,767</b>
<b>FY 09</b>	<b>\$20</b>	<b>\$495</b>	<b>\$1,346</b>	<b>\$39</b>	<b>\$1,900</b>
<b>FY 08</b>	<b>\$19</b>	<b>\$572</b>	<b>\$1,383</b>	<b>\$35</b>	<b>\$2,009</b>





# Coastal Navigation Budget

(\$million)

Pres Bud	Investigations	Construction	O&M	MR&T	Total
<b>FY 16</b>	<b>\$18</b>	<b>\$81</b>	<b>\$872</b>	<b>\$2</b>	<b>\$973</b>
<b>FY 15</b>	<b>\$17</b>	<b>\$97</b>	<b>\$875</b>	<b>\$2</b>	<b>\$991</b>
<b>FY 14</b>	<b>\$16</b>	<b>\$108</b>	<b>\$853</b>	<b>\$2</b>	<b>\$980</b>
<b>FY13</b>	<b>\$17</b>	<b>\$151</b>	<b>\$797</b>	<b>\$2</b>	<b>\$967</b>
<b>FY12</b>	<b>\$7</b>	<b>\$117</b>	<b>\$706</b>	<b>\$2</b>	<b>\$832</b>
<b>FY11</b>	<b>\$9</b>	<b>\$115</b>	<b>\$747</b>	<b>\$2</b>	<b>\$873</b>
<b>FY10</b>	<b>\$16</b>	<b>\$119</b>	<b>\$834</b>	<b>\$2</b>	<b>\$971</b>
<b>FY09</b>	<b>\$17</b>	<b>\$188</b>	<b>\$760</b>	<b>\$4</b>	<b>\$969</b>



## Additional FY 15 Funds for Navigation in CROmnibus Bill (\$millions)

■ <b>Investigations</b>	<b>\$ 15.3</b>
■ Navigation	\$ 5
■ Coastal and Deep Draft	\$ 4.1
■ Inland	\$ 4
■ Small, Remote, or Subsidence	\$ 2.2
■ <b>Construction</b>	<b>\$207</b>
■ Navigation	\$ 95
■ Inland Waterways Trust Fund	\$112
■ <b>MR&amp;T O&amp;M Dredging</b>	<b>\$ 6.4</b>



# **Additional FY 15 Funds for Navigation CROmnibus Bill (\$millions)**

- **O&M** **\$294.5**
  - Navigation \$ 45
  - Deep Draft Harbor & Channel \$165
  - Inland Waterways \$ 42
  - Small, Remote, or Subsidence \$ 42.5
- **Total Additional Navigation Funding \$523.2**





# FY 15 Navigation Appropriation by Account (\$millions)

	Investigations	Construction	O&M	MR&T	Total Nav
<b>Pres Bud</b>	<b>\$22</b>	<b>\$277</b>	<b>\$1,487</b>	<b>\$39</b>	<b>\$1,825</b>
<b>CROmnibus</b>	<b>\$37</b>	<b>\$484</b>	<b>\$1,782</b>	<b>\$45</b>	<b>\$2,348</b>
<b>Difference</b>	<b>\$15</b>	<b>\$207</b>	<b>\$295</b>	<b>\$6</b>	<b>\$523</b>

Complete project listings at:

<http://www.usace.army.mil/Missions/CivilWorks/Budget.aspx>



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# California Projects

PROJECT NAME	FY 15 BUDGET	FY 15 WORKPLAN	FY 16 BUDGET
<b>INVESTIGATIONS</b>			
PORT OF LONG BEACH NAV IMP, CA	200,000	300,000	700,000
REDWOOD CITY HARBOR, CA	579,000	600,000	0
<b>TOTAL INVESTIGATIONS</b>	<b>779,000</b>	<b>900,000</b>	<b>700,000</b>
<b>CONSTRUCTION</b>			
OAKLAND HARBOR (50 FOOT PROJECT), CA	6,000,000	6,000,000	1,200,000
<b>O&amp;M</b>			
CHANNEL HARBOR ISLANDS, CA	5,249,000	5,196,510	0
HUMBOLDT HARBOR AND BAY, CA	1,800,000	3,822,000	3,106,000
JACK. D. MALTESTER CHANNEL (SAN LEANDRO MARINA), CA	0	25,000	0
LOS ANGELES/LONG BEACH, CA	7,740,000	13,866,600	0



# California O&M Projects

PROJECT NAME	FY 15 BUDGET	FY 15 WORKPLAN	FY 16 BUDGET
MARINA DEL REY, CA	0	0	3,846,000
MONTEREY HARBOR, CA	0	35,000	0
MORRO BAY HARBOR, CA	2,060,000	2,039,400	3,070,000
NOYO RIVER AND HARBOR, CA		450,000	2,365,000
OAKLAND HARBOR, CA	21,970,000	22,590,300	15,000,000
OCEANSIDE HARBOR, CA	1,700,000	1,883,000	2,285,000
PILLAR POINT HARBOR, CA	0	35,000	0
PROJECT CONDITION SURVEYS, CA	1,647,000	1,630,530	1,794,000
REDWOOD CITY HARBOR, CA	1,900,000	10,881,000	4,500,000
RICHMOND HARBOR, CA	7,900,000	7,821,000	12,243,000
SACRAMENTO RIVER (30 FOOT PROJECT), CA	1,300,000	1,287,000	1,100,000
SACRAMENTO RIVER AND TRIBUTARIES (DEBRIS CONTROL), CA	600,000	662,000	1,185,000
SACRAMENTO RIVER SHALLOW DRAFT CHANNEL, CA	200,000	198,000	160,000 <sup>®</sup>



# California O&M Projects

PROJECT NAME	FY 15 BUDGET	FY 15 WORKPLAN	FY 16 BUDGET
SAN DIEGO HARBOR, CA	0	500,000	0
SAN FRANCISCO BAY, LONG TERM MANAGEMENT STRATEGY, CA	275,000	1,694,250	500,000
SAN FRANCISCO HARBOR AND BAY, CA (DRIFT REMOVAL)	3,360,000	4,106,400	4,240,000
SAN FRANCISCO HARBOR, CA	1,900,000	2,784,000	3,220,000
SAN JOAQUIN RIVER, PORT OF STOCKTON, CA	4,952,000	5,102,480	4,442,000
SAN PABLO BAY AND MARE ISLAND STRAIT, CA	2,400,000	6,418,000	1,180,000
SANTA BARBARA HARBOR, CA	2,380,000	2,356,200	2,760,000
SUISUN BAY CHANNEL, CA	2,400,000	4,876,000	3,250,000
VENTURA HARBOR, CA	3,354,000	3,320,460	4,830,000
YUBA RIVER, CA	3,100,000	1,346,400	1,377,000
<b>TOTAL O&amp;M</b>	<b>78,187,000</b>	<b>104,926,530</b>	<b>76,453,000</b>



# How Can You Help?

- Tell the Story, Educate and Inform
- Engage to Create National Will
- Help the Nation prioritize efforts and projects
- Identify and Reinforce Critical Needs
- Speak with one voice to provide a reliable, competitive and sustainable Marine Transportation System



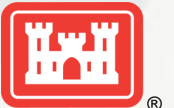
# Navigation Message

- Navigation funding is an essential component for the Nation's Global trade
- America's Marine Transportation System infrastructure must become a National priority in order to get adequate funding
- Need national commitment to shipping, global trade and navigation infrastructure
- Navigation funding is key to Economy, Jobs, and Exports!





# QUESTIONS?



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