

U.S. Army Corps of Engineers FY 16 Workplan and FY 17 Budget Navigation Program Update

For Inland Waterways Users Board

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US Army Corps of Engineers
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FY 17 Key Funding Decision Criteria

Investigations

- ▶ Completions
- ▶ PEDs must be competitive for Construction within two years.
- ▶ Limited new starts and resumptions
- ▶ Commercial waterborne traffic - tonnage (for Coastal) & ton-miles (for Inland)
- ▶ Project would accommodate vessels using expanded Panama Canal
- ▶ Project serves as Subsistence Harbor or Harbor of Refuge

Construction

- ▶ Continuing Contracts
- ▶ Life Safety and Dam Safety
- ▶ Completions
- ▶ BCR Threshold of 2.5 @ 7% Interest Rate
- ▶ IWTF Constraints
- ▶ IMTS Long-Term Capital Investment Plan Priorities



FY 17 Key Funding Decision Criteria

Operations / Maintenance

- ▶ Commercial waterborne traffic (tonnage/ton-mileage) – focus on projects with greater than 10 M tons (Coastal) or 3 B ton-miles (Inland).
- ▶ Critical Minimum Operations and Maintenance
- ▶ Maintenance based on Risk & Reliability Matrix (Condition/Consequences)
- ▶ Use of Operational Condition Assessments and Economic consequences for inland infrastructure and coastal structures
- ▶ Channel Portfolio Tool used to help prioritize coastal channels based on tonnage and cargo value at risk for the lowest five feet of the project depth as a surrogate for economic justification
- ▶ Other factors for low commercial use:
 - Caretaker
 - O&M of locks and dams
 - Critical Harbors of Refuge
 - National Defense
 - Commercial fishing
 - Public transportation
 - Energy supply
 - Support of US Coast Guard Search and Rescue Operations
 - Support of other Federal Agencies



President's Budgets

(\$millions)

Pres Bud	Coastal	Inland	Nav	CW total	Nav Percent
FY 17	\$1,017	\$917	\$1,934	\$4,620	42%
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	\$4741	40%



Navigation Budget by Account

(\$millions)

Pres Bud Fiscal Yr	Investigations	Construction	O&M	MR&T	Total Nav
FY 17	\$22	\$348	\$1,527	\$37	\$1,934
FY 16	\$25	\$321	\$1,563	\$38	\$1,947
FY 15	\$22	\$277	\$1,487	\$39	\$1,825
FY 14	\$23	\$345	\$1,461	\$55	\$1,884
FY 13	\$25	\$352	\$1,326	\$44	\$1,747
FY 12	\$18	\$283	\$1,237	\$37	\$1,575
FY 11	\$19	\$291	\$1,297	\$45	\$1,653
FY 10	\$19	\$288	\$1,411	\$48	\$1,767
FY 09	\$20	\$495	\$1,346	\$39	\$1,900



Coastal Navigation Budget

(\$million)

Pres Bud	Investigations	Construction	O&M	MR&T	Total Coastal
FY 17	\$14	\$105	\$896	\$2	\$1,017
FY 16	\$18	\$81	\$872	\$2	\$973
FY 15	\$17	\$97	\$875	\$2	\$991
FY 14	\$16	\$108	\$853	\$2	\$980
FY13	\$17	\$151	\$797	\$2	\$967
FY12	\$7	\$117	\$706	\$2	\$832
FY11	\$9	\$115	\$747	\$2	\$873
FY10	\$16	\$119	\$834	\$2	\$971



Inland Navigation Budget

(\$million)

Pres Bud	Investigations	Construction	O&M	MR&T	Total Inland
FY 17	\$8	\$243	\$631	\$34	\$917
FY 16	\$7	\$240	\$691	\$36	\$974
FY 15	\$5	\$180	\$612	\$37	\$834
FY 14	\$7	\$237	\$608	\$53	\$904
FY13	\$8	\$201	\$529	\$42	\$780
FY12	\$11	\$166	\$531	\$35	\$743
FY11	\$10	\$176	\$550	\$43	\$779
FY10	\$3	\$170	\$577	\$47	\$796



Additional FY 16 Funds for Navigation in Division D – E&WD, Omnibus Appropriations Act, 2016 (\$millions)

■ Investigations	\$ 11.3
■ Navigation	\$ 1.3
■ Coastal and Deep Draft	\$ 5.0
■ Inland	\$ 5.0
■ Small, Remote, or Subsidence	\$ 0.0
■ Construction	\$273.2
■ Navigation	\$211.2
■ Inland Waterways Trust Fund	\$ 55.0
■ Navigation Program (Section 107)	\$ 7.0
■ MR&T O&M Dredging	\$ 8.1



Additional FY 16 Funds for Navigation in Division D – E&WD, Omnibus Appropriations Act, 2016 (\$millions)

■ O&M	\$391.53
■ Navigation	\$ 23.53
■ Deep Draft Harbor & Channel	\$250.0
■ Inland Waterways	\$ 45.0
■ Small, Remote, or Subsidence	\$ 48.0
■ Donor & Energy Transfer Ports	\$ 25.0

■ **Total Additional Navigation Funding ~\$684**

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



FY 16 Navigation Appropriations by Account (\$millions)

	Investigations	Construction	O&M	MR&T	Total Nav
Pres Bud	\$22	\$348	\$1,527	\$37	\$1,934
Omnibus Act, 2016	\$11	\$273	\$ 392	\$8	\$ 684
Total	\$33	\$621	\$1,919	\$45	\$2,618



FY 2016 Navigation Workplan

- Investigations
 - ▶ New start for GIWW Brazos River Floodgates and Colorado Locks, TX
- Construction
 - ▶ Olmsted Locks & Dam - \$180 M + \$88 M = \$268 M
 - ▶ Locks & Dams 2, 3 & 4 - \$52 M + \$6.9 M = \$58.9 M
 - ▶ Kentucky Lock - \$45.4 M
 - ▶ Chickamauga Lock - \$29.9 M
 - ▶ Lockport Lock & Dam - \$1.4 M
 - ▶ New start AIWW Deep Creek Bridge, VA - \$10 M
- O&M - \$68 M for Inland Waterways
- MR&T O&M - \$8 M for dredging



FY17 President's Budget Highlights

- Navigation: \$1.9 B, including \$34 M from IWTF
 - Investigations:
 - Three River, AR
 - Inner Harbor Navigation Canal Lock Replacement, LA
 - GIWW, Brazos River Floodgates and Colorado River Locks, TX
 - Construction:
 - Olmsted Locks and Dam, IL & KY - \$225 M
 - AIWW Deep Creek Bridge, VA - \$12 M to complete
 - O&M: \$645 M with focus on reducing risk of failure on high commercial use waterways
 - Mississippi River - \$189 M
 - Ohio River - \$104 M
 - GIWW - \$61 M
 - Illinois Waterway - \$35 M
 - Tennessee River - \$23 M
 - Black Warrior Tombigbee - \$20 M



QUESTIONS?

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