

Inland Waterways Users Board Meeting No. 85 Vicksburg, Mississippi

Financial Report & Project Summaries

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USACE Headquarters

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®

US Army Corps of Engineers
BUILDING STRONG®



FY 17 Status of Trust Fund

(30 September 2017)

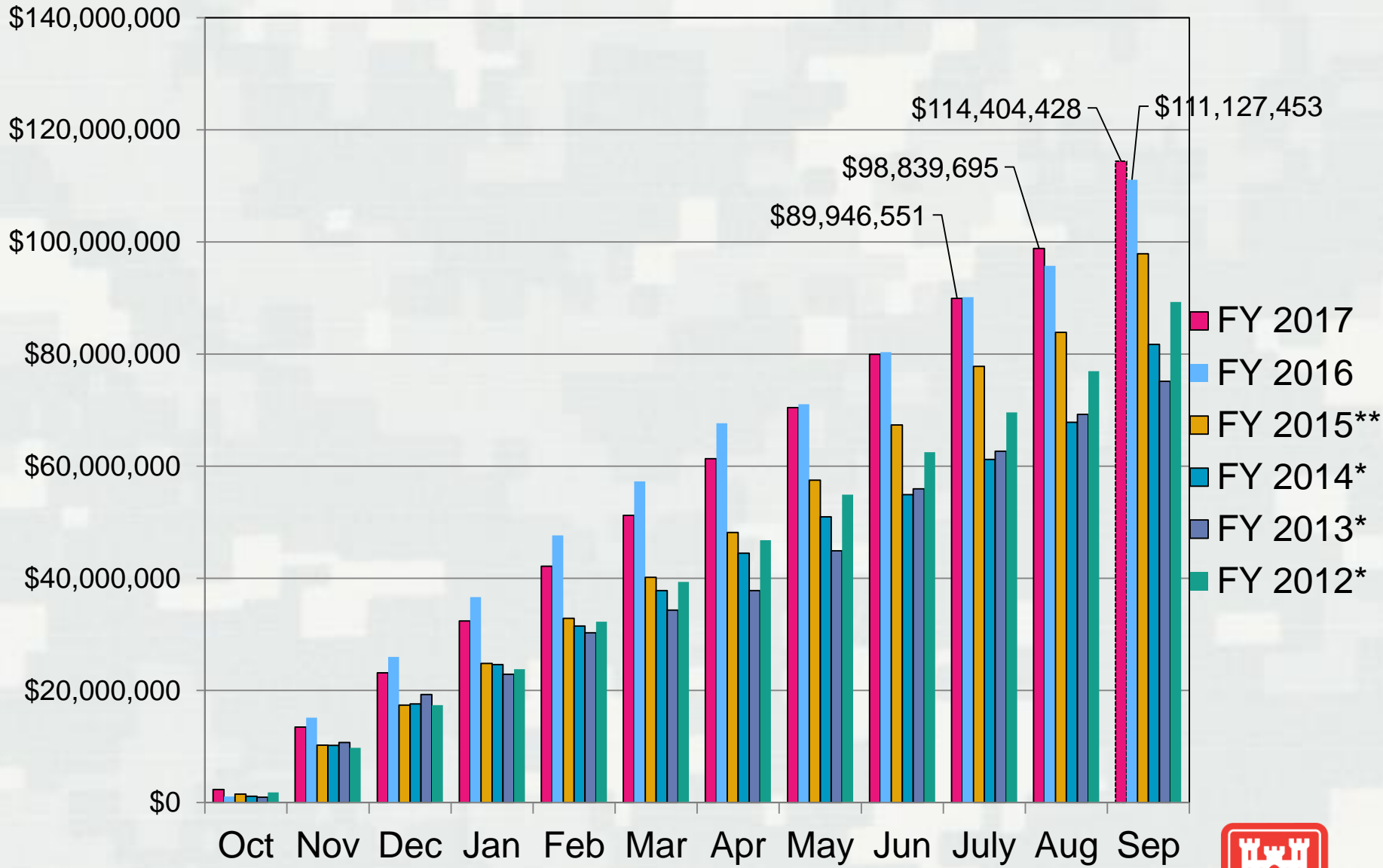
	IWTF	USACE
FY 17 Beginning Balance:	\$57,350,502	\$0
Previous Transfer Authority(SEQ/ATB)	\$0	\$0
Previous Transfer Authority(PTA)	\$0	\$0
Total Beginning Revenue Balance -	\$57,350,502	\$0
Transfers from Corps (8861) to IWTF	\$0	\$0
FY 17 Fuel Tax Revenue:	\$113,729,610	\$0
FY 17 Interest:	\$674,818	\$0
Total Year To Date Revenue -	**\$114,404,428	\$0
Total Revenue Balance -	\$171,754,930	\$0
Transfers from Project to Corps HQ IWTF (8861)	\$0	\$275,000
Transfers from IWTF to Corps HQ IWTF (8861)	-\$108,359,067	\$108,359,067
Transfers from Corps (3122) to US Treasury	\$0	\$0
Total Activity -	-\$108,359,067	\$108,634,067
FY17 Available Balance -	\$ 63,395,863	\$108,634,067

Source: IWTF statements from Dept. of Treasury, Bureau of Public Debt.

**Amount includes adjustment made by Bureau of Fiscal Service to bring appropriated estimates to actual taxes received.



INLAND WATERWAYS TRUST FUND REVENUE

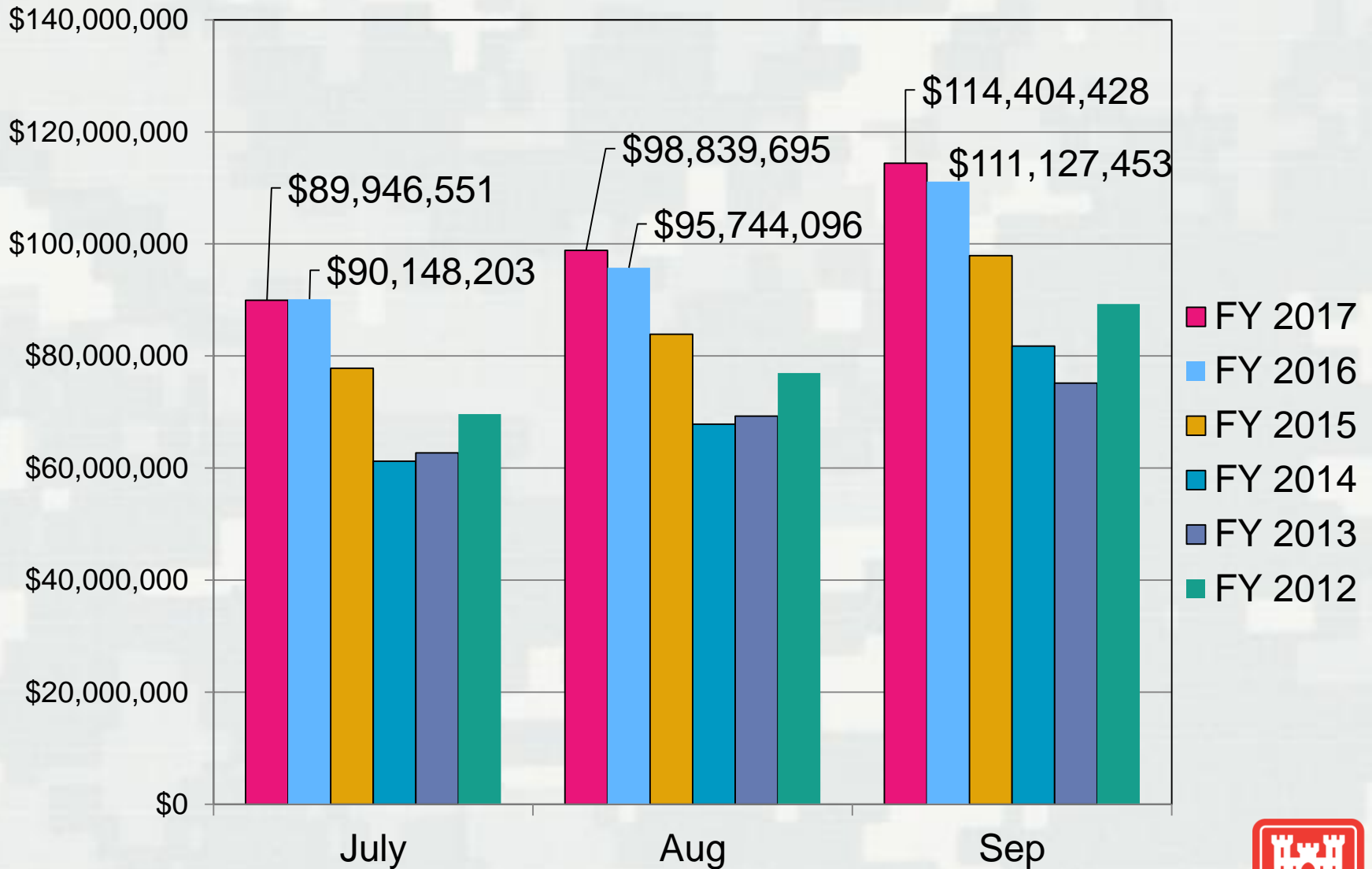


• Full year fuel tax collections @ \$0.20 / gallon.

** Half-year fuel tax collections @ \$0.20 / gallon and Half-year fuel tax collections @ \$0.29 / gallon.



INLAND WATERWAYS TRUST FUND REVENUE



• Full year fuel tax collections @ \$0.20 / gallon.

** Half-year fuel tax collections @ \$0.20 / gallon and Half-year fuel tax collections @ \$0.29 / gallon.



IWTF Projects – President’s Budget and Total Allocation

Project	Funding Item	¹ FY2013	FY2014	FY2015	FY2016	FY2017	FY2018
<u>Olmsted</u>	President’s Bud	\$144,000,000	\$163,000,000	\$160,000,000	\$180,000,000	\$225,000,000	\$175,000,000
	Total allocation	\$143,712,000	² \$165,712,374	³ \$212,710,000	\$268,000,000	¹¹ \$250,000,000	\$28,000,000
<u>Lower Mon</u>	President’s Bud	\$36,650,000	\$1,960,000	\$9,032,000	\$52,000,000	\$0	\$0
	Total allocation	\$23,697,311	^{2,4} \$72,673,000	² \$55,888,463	\$58,900,000	¹¹ \$82,010,000	\$0
<u>Emsworth</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0	\$0
	Total allocation	\$5,881,785	² \$2,000	² \$-2,715,701	\$0	¹¹ \$1,000,000	\$0
<u>Kentucky L&D</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0	\$0
	Total allocation	\$44,285,500	\$0.00	⁴ \$14,700,000	⁹ \$45,700,000	¹¹ \$39,000,000	\$0
<u>Chick L&D</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0	\$0
	Total allocation	(\$3,600)	⁵ \$1,815,000	⁶ \$3,000,000	⁹ \$29,600,000	¹¹ \$37,000,000	\$0
<u>Lockport</u>	President’s Bud	\$3,600,000	\$11,400,000	\$0	\$0	\$0	\$0
	Total allocation	\$4,990,000	\$28,800,000	\$0	\$1,700,000	¹⁰ \$(550,000)	\$0
<u>IHNC</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0	\$0
	Total allocation	\$0	\$0	\$0	\$0	\$0	\$0

1. FY13 was under a Continuing Resolution Act
2. Reflects reprogramming from Lower Mon (FY14: \$2M to Olmsted & 2K to Emsworth and FY15 \$2K to Emsworth), and withhold.
3. Reflects FY2015 PB (\$160M) & Funding Pot allocations (\$47.3M - NAV), (\$4.9M - Hydro), McAlpine reprogramming (\$510K)
4. Reflects \$2M reprogrammed from Lower Mon to KY L&D (Nov 2014) & FY2015 NAV Funding Pot allocations (\$12.7M).
5. Reflects withhold.
6. FY2015 NAV Funding Pot allocations (\$3M).
7. ARRA funds erroneously omitted.
8. Reflects \$2K reprogrammed from L&D 27 to Mel Price
9. Reflects \$300K reprogramming from Chick L&D to KY Lock as a result of higher than anticipated bids for DS Cofferdam contract required for risk-based TPCE, FY17 construction contract design activities, and an Economic Update.
10. Reflects \$550K reprogrammed from Lockport (Split 50% General Treasury/50% IWTF) to Fargo Moorhead Metro (100% General Treasury). The \$275K IWTF reprogrammed from Lockport remains at HQUSACE for future allocation to IWTF projects.
11. Amount includes allocation provided through the FY17 work plan.



Project Updates

(Mississippi Valley Division)

- Lockport
- Inner Harbor Navigation Canal (IHNC)



Lockport Pool Major Rehabilitation, Illinois Waterway, IL

	ARRA	CG	IWTF	Total
Total Project Cost:	\$59,372,419	\$75,978,156	\$14,975,000	\$150,325,575
Allocations thru FY13:	\$59,372,419	\$61,003,156	\$0	\$120,375,575
FY14 Allocation:	\$0	\$14,400,000	\$14,400,000	\$28,800,000
FY15 Allocation:	\$0	\$0	\$0	\$0
FY16 Allocation:	NA	\$850,000	\$850,000	\$1,700,000
FY 17 Allocation:	NA	\$(275,000)	\$(275,000)	\$(550,000)
FY18 Budget:	NA	\$0	\$0	\$0
Allocations to Date:	\$59,372,419	\$75,978,156	\$14,975,000	\$150,325,575
Remaining Balance:		\$0	\$0	\$0
Remaining Balance Change From Last Meeting				\$0

<u>Changes</u>
None

<u>Funding Overview</u>	
• Original Authorized Cost:	\$ 151M
• Sec 902 limit:	\$ 163M
• ARRA Funding (FY09-11):	\$ 59.4M
• Engineering & Design Cost:	\$ 8.4M
• Supervision & Admin Cost:	\$ 5.5M
• Mitigation:	\$.8M
• Prior to FY14 - 100% CG Funds	
• Post FY14 allocations 50-50 CG/IWTF	

<u>Current Status of the Project</u>
• Project physically completed Mar 2017
• Financial closeout ongoing (Dec 30, 2017).

<u>Next Steps</u>



Lockport Pool Major Rehabilitation, Illinois Waterway, IL

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete	Project Benefits	Capitalized Cost Closeout
Stage 1C Powerhouse Forebay Wall	(DD-MM-YY) 02-04-12	(DD-MM-YY) 11-09-14	(DD-MM-YY) 31-03-17	(DD-MM-YY) 31-12-16	(DD-MM-YY) 31-12-17



IHNC Lock Replacement, GIWW, LA

	ARRA	CG	IWTF	Total
Total Project Cost:	\$0	\$791,588,500	\$609,837,500	\$1,401,426,000
Allocations thru FY13:	\$0	\$72,139,770	\$66,239,092	\$138,378,862
FY14 Allocation:	\$0	\$0	(\$4,088)	(\$4,088)
FY15 Allocation:	\$0	\$0	\$0	\$0
FY16 Allocation:	NA	\$0	\$0	\$0
FY17 Allocation: (As of 31 Mar 2017)	NA	\$0	\$0	\$0
FY18 Budget:	NA	\$0	\$0	\$0
Allocations to Date:		\$72,139,770	\$66,235,004	\$138,374,774
Remaining Balance:		\$719,448,730	\$543,602,496	\$1,263,051,226
Remaining Balance Change From Last Meeting				\$0

Changes

- Agency Decision Milestone for GRR was held on 21 June 17. **Proposed new lock 900 ft long, 110 ft wide, and -22 ft depth.**

<p style="text-align: center;"><u>Funding Overview</u></p> <ul style="list-style-type: none"> • Original Authorized Cost: \$714M • Not applicable to Sec 902 • ARRA Funding (FY09-11): \$ 0M • Engineering & Design Cost: \$39.8M • Supervision & Admin Cost: \$ 2.5M • Mitigation: \$ 4.0M 	<p style="text-align: center;"><u>Current Status of the Project</u></p> <ul style="list-style-type: none"> • USACE performing a review of the final project accounting. • Continue Lock Replacement GRR. <p style="text-align: center;"><u>Next Steps</u></p> <ul style="list-style-type: none"> • Continue GRR for lock replacement Scheduled completion Sept 2019. • MVN will send formal funding request letter for the amount owed by the Port of New Orleans December 2017 to close out the construction project.
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IHNC Lock Replacement, GIWW, LA

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete	Project Benefits	Capitalized Cost Closeout
Task 1- last completed	N/A	N/A	N/A	N/A	N/A
Task 2- Next or ongoing	N/A	N/A	N/A	N/A	N/A
Task 3	N/A	N/A	N/A	N/A	N/A



Project Updates

(Great Lakes and Ohio River Division)

- Olmsted
- Monongahela River Locks 2, 3 and 4
- Emsworth
- Kentucky
- Chickamauga



Olmsted Locks and Dam, Ohio River, IL & KY

	ARRA	CG	IWTF	Total
Total Project Cost:				*\$3,059,266,000
Allocations through FY2013:	\$29,516,000	\$819,732,000	\$819,732,000	\$1,668,980,000
FY14 Allocation:	\$0	\$124,106,000	\$41,606,000	\$165,712,000
FY15 Allocation:	\$0	\$180,803,500	\$31,906,000	\$212,710,000
FY16 Allocation:	NA	\$227,800,000	\$40,200,000	\$268,000,000
FY17 Allocation: As of 16 Jun 2017	NA	\$212,500,000	\$37,500,000	\$250,000,000
FY18 Budget	NA	\$148,750,000	\$26,250,000	\$175,000,000
Total Allocations to Date:	\$29,516,000	\$1,713,692,000	\$997,195,000	\$2,740,403,000
Remaining Balance:		**\$419,783,550	**\$74,079,450	**\$493,863,000
Remaining Balance Change From Last Meeting				-\$250,000,000

Note: * Cost and Schedule data reflective of the latest Certified Cost Estimate (01 OCT 2015 price levels) completed in APR 2016.

** Remaining balance does not include projected FY18 Budget allocations.

Changes

None

Funding Overview

- Original Authorized Cost: \$ 775.0M
- 902 Limit: \$3,559.0M
- ARRA Funding (FY09-11): \$ 29.5M
- Engineering & Design Cost: \$ 168.5M
- Supervision & Admin Cost: \$ 131.0M
- Mitigation: \$ 16.0M

Next Steps

- Unwater TG-5 Bay
- Flush River Chamber Culverts
- Set TW-6A & TW-6B
- Top-out LBA (Place Lift 19)
- Remove Illinois LBA sheets
- Set NP-12A

LBA – Left Boat Abutment
 LWS – Low Water Season (contractually 15 Jun – 30 Nov)
 NP – Navigable Pass
 PB – Paving Block
 RBA – Right Boat Abutment
 SB – Service Bridge
 TG – Tainter Gates
 TW – Training Wall

Current Status of the Project

- Set TW-1A & TW-1B
- Commissioning River Chamber
- Started Tainter Gate Bay 5 Side Seal Installation
- Placed LBA Lift 16 (of 19) on 20 Oct
- Wicket Lifter Crane Integration Underway
- Service Mound Buildings 30% Complete



Olmsted Locks and Dam, Ohio River, IL & KY

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete	Project Benefits	Capitalized Cost Closeout
Dam	26-Aug-96	28-Jan-04	30-Sep-19	1-Oct-18	31-Mar-20
Wicket Lifter	1-Jan-15	2-Sep-16	21-Dec-17	14-Feb-18	30-Jun-18
Building & Grounds	1-Dec-15	2-Feb-17	8-May-18	1-Sep-18	31-Jan-19
Demolition L&D 52	1-Feb-17	1-Jul-19	1-Aug-21	N.A.	31-Dec-21
Demolition L&D 53	15-Oct-16	1-Nov-17	1-Dec-19	N.A.	30-Mar-20
River Dikes	12-Feb-15	12-Aug-16	31-Aug-21	1-Oct-21	31-Dec-21

NOTE: Green highlighted dates are actual dates.
Red highlighted dates are changes.



Locks and Dams 2, 3, and 4, Monongahela River, PA

Current Project Estimate: \$1.22B^{*1} (\$2.7B)^{*3}	ARRA	CG	IWTF	Total
Allocations through FY2013:	\$68,402,740	\$244,839,152	\$244,839,152	\$558,081,038
FY14 Allocation:	\$0	\$36,336,500	\$36,336,500	\$72,673,000
FY15 Allocation:	(\$141,537)	\$28,015,000	\$28,015,000	\$55,888,463
FY16 Allocation:	NA	\$29,450,000	\$29,450,000	\$58,900,000
FY17 Allocation:	NA	\$41,005,000	\$41,005,000	\$82,010,000
FY18 Budget:	NA	\$0	\$0	\$0
Total Allocations to Date:	\$68,261,203	\$379,645,652	\$379,645,652	827,552,501
Remaining Balance:		\$196,223,750	\$196,223,750	\$392,447,499
Remaining Balance Change From Last Meeting:				\$ 0

Changes: **No Change**

Funding Overview

- Original Authorized Cost: \$556M
- 902 Limit: \$1.76B
- ARRA Funding (FY09-FY15): \$68.3M
- Engineering & Design Cost: \$603M^{*2,4}
- Supervision & Admin Cost: \$207M^{*4}
- Mitigation: \$12M
- Fully Funded Estimate: \$2.733B^{*3}

Next Steps

- **Preparing Stilling Basin package for Award – FY18 (September)**
- **Award Dredging Task Order #2 – FY18 (August)**

Current Status of the Project

- Charleroi M22 – M27 Construction – **9% behind schedule** – not impacting project completion
- Charleroi RCC Construction – **1% ahead of schedule**
- **Savings from Dredging Award keep FY18 capability at \$105M to fund out-year EDC/SA and Contingency on active Contracts.**

*1 Receipt of FY17 funding holds the “over 90% benefits” project cost at \$1.22 B. New certified cost estimate completed in April 2017 increased the cost from \$1.22 B to \$1.3 B and assumed no FY17 funding.

*2 \$603M includes all Engineering & Engineering During Construction

*3 New certified cost estimate completed in April 2017 increased the cost from \$2.7 B to \$2.8 B and assumed no FY17 funding. Receipt of FY17 funding holds total project cost at \$2.7 B.

*4 \$580M of the \$810M Engineering & Design and Supervision & Administration costs are directly associated with the deferment of the Charleroi Land Chamber into the 2050s.



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Locks and Dams 2, 3, and 4, Monongahela River, PA

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete *2	Project Benefits*3	Capitalized Cost Closeout*3
Charleroi River Wall	1-Oct-95	27-Sep-04	30-May-16	2023	2025
Charleroi Emptying Basin	1-Oct-95	30-Sep-13	11-Nov-15	2023	2025
Charleroi River Chamber (M22-M27)	1-Oct-95	15-Aug-14	2019 S	2023	2025
Charleroi Dam Stilling Basin	1-Oct-95	FY 2018 S	FY 2021 S	2023	2025
Charleroi River Chamber Completion	1-Oct-95	16-Sep-15	FY 2023 S	2023	2025
L/D 3 Removal	2020	2021 S	FY 2023 S	2023	2025
Dredging	1-Oct-95	29-Sep-17	FY 2022 S	2023	2025
Municipal Relocations *1	1-Oct-95	Multiple	Multiple	NA	2025

- * 1: To complete all municipal relocations, multiple relocation agreements are required.
- * 2: Dates are achievable based on the most efficient funding profile (early schedule).
- * 3: Project benefit and close out dates are based on the most efficient funding profile & breaching of Dam 3. Early contract completion for Dam 3 removal extends into 2023.
- 4: River Chamber Completion (RCC) Option 1 and Option 2 **were** awarded in August, FY 2017.
- 5: Charleroi M22-M27 Construction is slightly behind schedule but there is currently no impact on receiving project benefits.

Actual

"S"= Scheduled



Emsworth Locks & Dam, Ohio River, PA

	ARRA	CG	IWTF	Total
Total Project Cost:				\$160,000,000
Allocations through FY13:	\$33,554,348	\$69,963,088	\$52,128,912	\$155,646,348
FY14 Allocation:	\$0	\$3,983,912	-\$3,981,912	\$2,000
FY15 Allocation:	-\$2,717,701	\$1,000	\$1,000	-\$2,715,701
FY16 Allocation:	NA	\$0	\$0	\$0
FY17 Allocation:	NA	\$500,000	\$500,000	\$1,000,000
FY18 Budget:	NA	\$0	\$0	\$0
Total Allocations to Date:	30,836,648	74,448,000	48,648,000	153,932,647
Remaining Balance:		\$3,033,676	\$3,033,676	*\$6,067,353
Remaining Balance Change From Last Meeting				\$ 0

*Any remaining IWTF dollars will be reallocated/transferred to other IWTF requirements and will result in a reduced draw on the IWTF, which will be reflected as an adjustment in a future apportionment.

Changes: No Change

Funding Summary

- Original Authorized Cost: \$ 160M
- 902 Limit: N/A*
- Wedge Funding (FY04-05): \$ 3.5M
- ARRA Funding (FY09-FY13): \$ 30.9M
- Engineering & Design Cost: \$ 14.1M**
- Supervision & Admin Cost : \$ 8.6M
- Mitigation: \$ 0.0M

Current Status of the Project

- **Post Implementation Evaluation (PIE) completed, the report will be included in a Periodic Assessment (PA) of the entire dam.**
- **Contract to clean and paint 2 sets of Emergency Bulkheads awarded 29SEP2017.**

Next Steps

- DSOG review scheduled 2nd QTR FY18.
- Project scheduled to be fiscally complete in FY18

* Actual project cost will be less than Approved Cost

** \$14.1M includes ALL Engineering & Engineering During Construction



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Emsworth Locks & Dam, Ohio River, PA

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete	Project Benefits	Capitalized Cost Closeout
Back Channel Right Abutment	31-Jan-09	31-Aug-09	31-Dec-10	1-Jan-11	31-Oct-11
Main Channel Gate & Scour Rehab	1-Jun-07	30-Jul-08	31-Jan-14	1-Feb-14	31-Jul-15
Main Channel Service Bridge Rehab	31-Aug-10	13-Jan-12	26-May-14	27-May-14	30-Sep-14
Back Channel Scour Protection	30-Sep-09	31-Mar-10	31-Oct-14	1-Nov-14	31-Jul-15
Back Channel Dam Under Apron Grouting, Gate Bays 12-14	01-Feb-15	31-Jul-15	4-Nov-15	4-Nov-15	31-Jan-16



Kentucky Locks & Dam, Tennessee River, KY

	ARRA	CG	IWTF	Total
Total Project Cost:				\$1,254,485,000 ¹
Allocations through FY13:	\$88,833,626	\$175,955,288 ²	\$141,460,987	\$406,249,901
FY14 Allocation:	\$0	\$0	\$0	\$0
FY15 Allocation:	\$0	\$7,350,000	\$7,350,000	\$14,700,000
FY16 Allocation:	NA	\$22,850,000	\$22,850,000	\$45,700,000
FY17 Allocation: As of 30 Sep 2017	NA	\$18,000,000	\$18,000,000	\$36,000,000 ³
FY18 Budget:	NA	\$0	\$0	\$0
Total Allocations to Date:	\$88,833,626	\$224,155,288	\$189,660,987	\$502,649,901
Remaining Balance:				\$751,835,099
Remaining Balance Change From Last Meeting				\$8,239,197 ^{2,3}

Note: ¹Project cost data is reflective of 03 Jan 17 certified cost at a price level adjustment (OCT 17 \$'s), Fully Funded, 2024 completion

²Includes \$4.0 million in GI funds

³Reflects \$3M reprogramming to Chickamauga Lock to allow award of Lock Chamber contract

Changes

- \$220K Navigation Training Dike contract awarded 30 Sept 2017

Funding Overview

- Authorized Cost: \$796,318,000 (Oct16 \$)
- 902 Limit: \$819,736,000 (Oct15 \$)
- ARRA (FY09-13): \$88,833,628
- Engineering & Design Cost: \$111,080,000 (Thru FY17)
- Supervision & Admin Cost: \$19,412,000 (Thru FY17)
- Mitigation Cost: TBD, alternative analysis on hold pending additional funding.

Current Status of the Project

- >\$3M Value Engineering Change Proposal mod for Downstream Cofferdam is nearing completion.
- Downstream Cofferdam construction is 10% financially complete based on awarded scope.

Next Steps

- Progress Economic Update.
- Award Site, Demolition, and Utilities construction contract by 29 Dec 17.
- Progress Downstream Lock Excavation P&S



Kentucky Locks & Dam, Tennessee River, KY

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete*	Project Benefits	Capitalized Cost Closeout
Task 1 – HWY / RR Superstructures	01-Oct-99	19-Sep-05	24-May-12		
Task 2 – Upstream Lock Monoliths (all Options)	01-Oct-00	29-Jan-10	30-Dec-16		
Task 3 – Upstream Miter Gate Fabrication	01-Oct-02	30-Sep-13	1-Mar-16		
Task 4 – Downstream Cofferdam	01-Oct-00	30-Sep-16	17-Dec-19		
Task 5 – Site, Demolition, & Utilities	01-Oct-00	29-Dec-17	30-Jan-19		
Task 6 – Downstream Lock Excavation	01-Oct-00	30-Sep-18	30-Mar-20		
Task 7 – Downstream Lock	01-Oct-00	30-Sep-19	12-Mar-24	12-Mar-24**	
Task 8 – Approach Walls	01-Oct-02	30-Sep-21	21-Nov-23		

*Dates are achievable based on the most efficient funding profile.

**Based on 3 Jan 17 Certified cost estimate Cost and Schedule Risk Assessment, the project has an 80% confidence level of being completed by 2028. Three of the four years of this schedule contingency is due to the risk of not receiving efficient funding.



Chickamauga Lock & Dam, Tennessee River, TN

	ARRA	CG	IWTF	Total
Total Project Cost:				\$754,678,000 ¹
Allocations through FY13:	\$49,307,619	\$64,441,536	\$67,254,465	\$181,003,620
FY14 Allocation:	\$0	\$907,500	\$907,500	\$1,815,000
FY15 Allocation:	\$0	\$1,500,000	\$1,500,000	\$3,000,000
FY16 Allocation:	NA	\$14,800,000	\$14,800,000	\$29,600,000
FY17 Allocation: As of 30 Sep 2017	NA	\$20,000,000	\$20,000,000	\$40,000,000 ²
FY18 Budget:	NA	\$0	\$0	\$0
Total Allocations to Date:	\$49,307,619	\$101,649,036	\$104,461,965	\$255,418,620
Remaining Balance:				\$499,259,380
Remaining Balance Change From Last Meeting				\$2,999,620

Note: ¹Cost & Schedule data reflect the FY2017 risked based total project cost update, Fully Funded, assuming 2024 completion.

²Reflects \$3M reprogramming from Kentucky Lock

Changes

- \$3M Reprogramming in FY17 from KY Lock to allow Lock Chamber contract award.

Funding Overview

- Authorized Cost: \$428,729,000 (Oct 16 \$)
- 902 Limit: \$482,162,000 (Oct 16 \$)
- ARRA Funds: \$49,330,043 (total FY09-12)
- Engineering & Design Cost: \$47,306,000 (thru FY17)
- Supervision & Admin Cost: \$7,338,000 (thru FY17)
- Mitigation Cost: TBD

Current Status of the Project

- Lock Chamber contract awarded on 28 Sept 2017 for \$240M (total base plus 13 options).
- Lock Excavation (LE) contract is 17% financially complete based on awarded scope.

Next Steps

- Progress rock blasting/excavation activities in LE contract.
- Exercise Lock Chamber options in FY18.
- Anticipate PACR submission to ASA(CW) in FY18.



Chickamauga Lock & Dam, Tennessee River, TN

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete *	Project Benefits**	Capitalized Cost Closeout
Task 1 – Approach Walls Fabrication	30-Mar-04	05-Apr-10	08-Mar-13		
Task 2 – Cofferdam Stabilization	31-Sep-05	25-Sep-15	18-Jul-16		
Task 3 – Lock Excavation	31-Sep-05	Sept 2016	Nov 2018		
Task 4 – Lock Chamber	11-Aug-05	Sept 2017	Dec 2023	Dec 2023	
Task 5 – Site Work and Decommission Existing Lock	11-Aug-05	Sept 2020	Sept 2024		
Task 6 – Approach Walls	11-Aug-05	Sept 2021	Dec 2023		

*Dates are achievable based on the most efficient funding profile.

**Based on June 2016 Certified cost estimate Cost and Schedule Risk Assessment, the project has an 80% confidence level of being completed by 2028. Two of the four years of this schedule contingency is due to the risk of not receiving efficient funding.



Questions

