

# Inland Waterways Users Board Meeting No. 86 Chattanooga, Tennessee

## Financial Report & Project Summaries

Mr. Joseph Aldridge  
USACE Headquarters

March 1, 2018



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



# FY 18 Status of Trust Fund

(31 January 2018)

IWTF

USACE

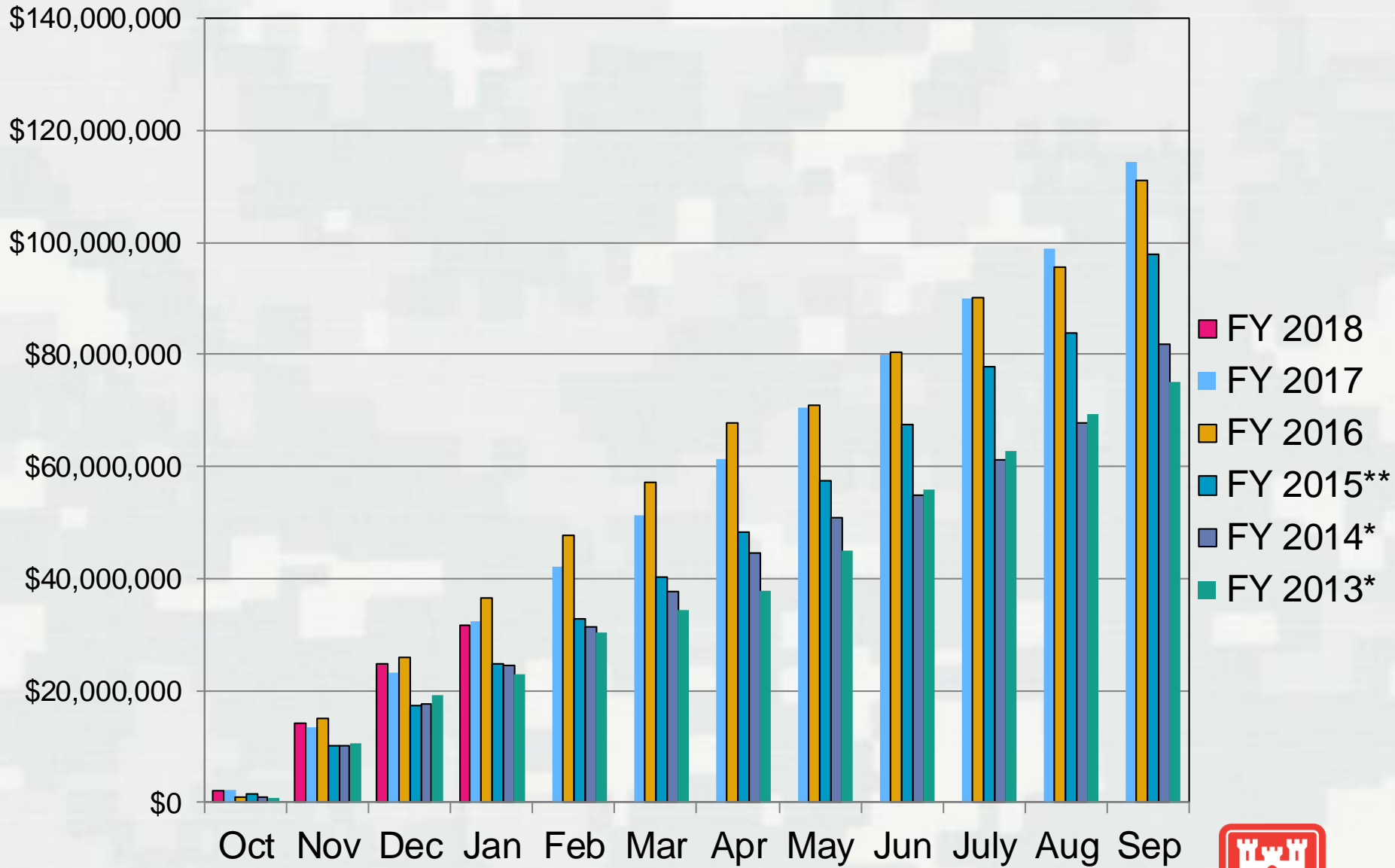
FY 18 Beginning Balance:	\$63,395,863	\$0
Previous Transfer Authority(SEQ/ATB)	\$0	\$0
Previous Transfer Authority(PTA)	\$0	\$0
<b>Total Beginning Revenue Balance -</b>	<b>\$63,395,863</b>	<b>\$0</b>
Transfers from Corps (8861) to IWTF	\$0	\$0
FY 18 Fuel Tax Revenue:	\$31,417,000	\$0
FY 18 Interest:	\$299,146	\$0
<b>Total Year To Date Revenue -</b>	<b>**\$31,716,146</b>	<b>\$0</b>
<b>Total Revenue Balance -</b>	<b>\$95,112,009</b>	<b>\$0</b>
Transfers from Project to Corps HQ IWTF (8861)	\$0	\$0
Transfers from IWTF to Corps HQ IWTF (8861)	-\$0	\$0
Transfers from Corps (3122) to US Treasury	\$0	\$0
<b>Total Activity -</b>	<b>-\$0</b>	<b>\$0</b>
<b>FY18 Available Balance -</b>	<b>\$ 95,112,009</b>	<b>\$0</b>

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

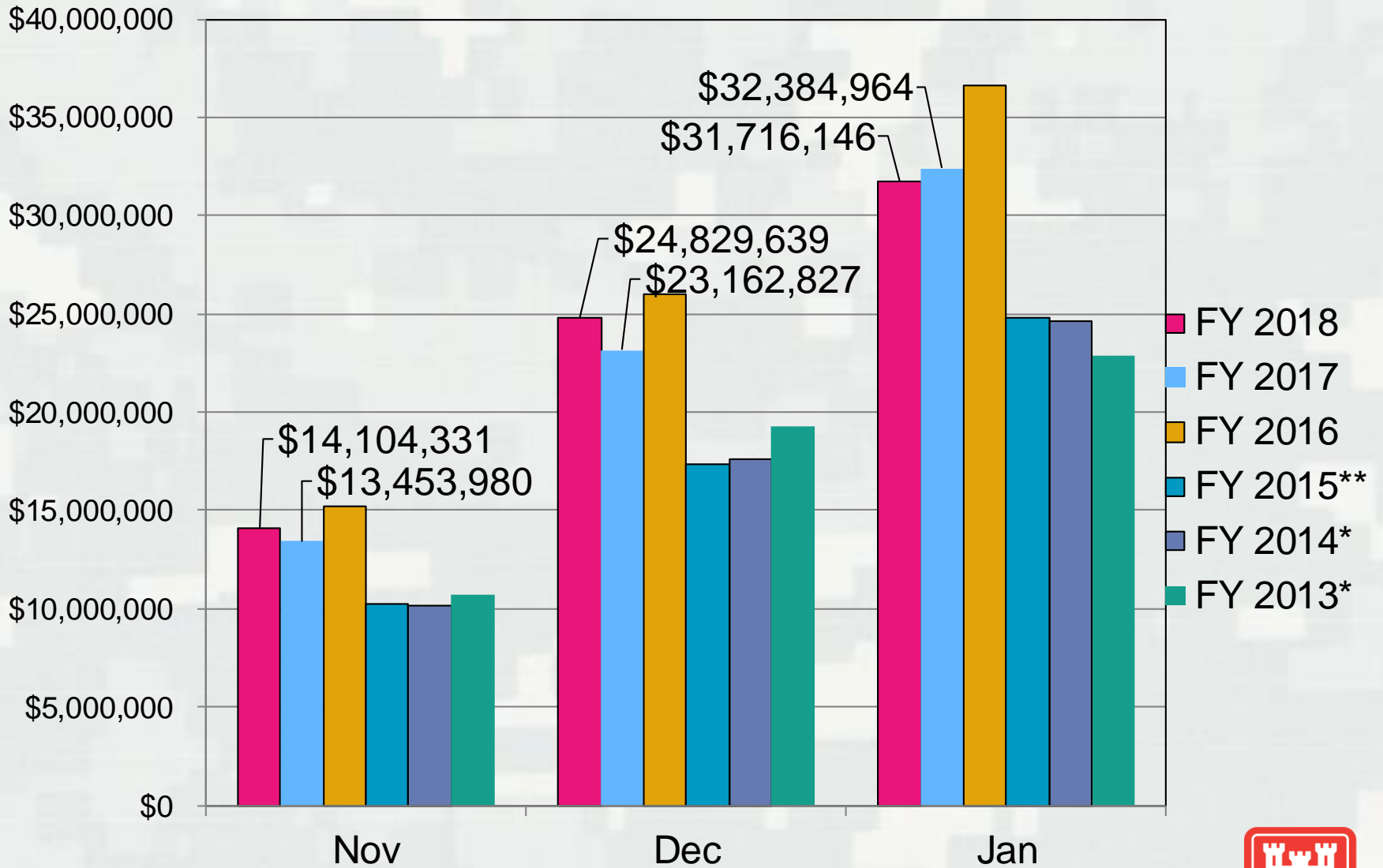


• Full year fuel tax collections @ \$0.20 / gallon.

\*\* 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	<sup>1</sup> 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	<sup>2</sup> \$165,712,374	<sup>3</sup> \$212,710,000	\$268,000,000	<sup>11</sup> \$250,000,000	\$0
<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	<sup>2,4</sup> \$72,673,000	<sup>2</sup> \$55,888,463	\$58,900,000	<sup>11</sup> \$82,010,000	\$0
<u>Emsworth</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0	\$0
	Total allocation	\$5,881,785	<sup>2</sup> \$2,000	<sup>2</sup> \$-2,715,701	\$0	<sup>11</sup> \$1,000,000	\$0
<u>Kentucky L&amp;D</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0	\$0
	Total allocation	\$44,285,500	\$0.00	<sup>4</sup> \$14,700,000	<sup>9</sup> \$45,700,000	<sup>11</sup> \$39,000,000	\$0
<u>Chick L&amp;D</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0	\$0
	Total allocation	(\$3,600)	<sup>5</sup> \$1,815,000	<sup>6</sup> \$3,000,000	<sup>9</sup> \$29,600,000	<sup>11</sup> \$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	<sup>10</sup> \$(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&D27 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 workplan.



# Project Updates

## (Mississippi Valley Division)

- Lockport
- Inner Harbor Navigation Canal (IHNC)



# Lockport Pool Major Rehabilitation, Illinois Waterway, IL

	ARRA	CG	IWTF	Total
<b>Total Project Cost:</b>	\$59,372,419	\$75,978,156	\$14,975,000	\$150,325,575
Allocations thru FY13:	\$59,372,419	\$61,003,156	\$0	\$4,990,000
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
FY 19 Budget:	NA	\$0	\$0	\$0
<b>Allocations to Date:</b>	\$59,372,419	\$75,978,156	\$14,975,000	\$150,325,575
<b>Remaining Balance:</b>		\$0	\$0	\$0
<b>Remaining Balance Change From Last Meeting</b>				\$0

Changes

None

- Funding Overview
- 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

- Current Status of the Project
- Project physically completed Mar 2017
  - **Financial closeout completed 30 Nov 2017**

Next Steps



# Lockport Pool Major Rehabilitation, Illinois Waterway, IL

<b>Schedule of Remaining Work</b>	<b>Design Initiated</b>	<b>Contract Award</b>	<b>Construction Complete</b>	<b>Project Benefits</b>	<b>Capitalized Cost Closeout</b>
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) 30-09-17





## IHNC Lock Replacement, GIWW, LA

	ARRA	CG	IWTF	Total
<b>Total Project Cost:</b>	\$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
FY 19 Budget:	NA	\$0	\$0	\$0
<b>Allocations to Date:</b>		\$72,139,770	\$66,235,004	\$138,374,774
<b>Remaining Balance:</b>		\$719,448,730	\$543,602,496	\$1,263,051,226
<b>Remaining Balance Change From Last Meeting</b>				<b>\$0</b>

### Changes

- Agency Decision Milestone for GRR was held on 21 June 17. New lock proposed at 900ft long, 110ft wide, and -22ft depth.

### Funding Overview

- 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

### Current Status of the Project

- **PCA amendment was executed on 8 Feb 2018, revising the construction cost-share.**
- Continue Lock Replacement GRR.

### Next Steps

- 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 **March 2018** to close out the construction project.



# 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
<b>Total Project Cost:</b>				*\$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:	NA	\$212,500,000	\$37,500,000	\$250,000,000
FY18 Budget	NA	\$148,750,000	\$26,250,000	\$175,000,000
<b>Total Allocations to Date:</b>	\$29,516,000	\$1,713,692,000	\$997,195,000	\$2,740,403,000
<b>Remaining Balance:</b>		**\$419,783,550	**\$74,079,450	**\$493,863,000
<b>Remaining Balance Change From Last Meeting</b>				\$0

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

Next Certified Cost Estimate (01 OCT 2017 price levels) expected APR 2018.

\*\* 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

- Receive Wicket Lifter
- Flush Land Chamber Culverts
- Place River Dike Nos. 5-7 (KY Bank)
- Grout sheet pile cutoff wall
- Install isolation pile (3 locations)
- Demo 53/Construct 4 upstream mooring cells

### Current Status of the Project

- All Damming surfaces in place
- River Chamber commissioned
- Tainter Gate 5 complete
- Service Bridge Nos. 5 & 6 installed
- Wicket Lifter manufacture complete
- Service Mound Buildings 60% 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	31-Mar-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	6-May-18	1-Sep-18	31-Jan-19
Demolition L&D 52	1-Feb-17	30-Sep-18	31-Dec-19	N/A	31-Mar-20
Demolition L&D 53 (Nav Lane)	15-Oct-16	1-Nov-17	31-Dec-18	N/A	31-Mar-19
River Dikes	12-Feb-15	12-Aug-16	30-Jun-19	31-Jul-19	31-Oct-19

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





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

<b>Current Project Estimate: \$1.22B*1 (\$2.7B)*3</b>	<b>ARRA</b>	<b>CG</b>	<b>IWTF</b>	<b>Total</b>
Allocations through FY2013:	\$68,402,740	\$244,839,146	\$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
<b>Total Allocations to Date:</b>	<b>\$68,261,203</b>	<b>\$379,645,646</b>	<b>\$379,645,652</b>	<b>\$827,552,501</b>
<b>Remaining Balance:</b>		<b>\$196,223,753</b>	<b>\$196,223,747</b>	<b>\$392,447,499</b>
<b>Remaining Balance Change From Last Meeting:</b>				<b>\$ 0</b>

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 – behind schedule – not impacting project completion
- Charleroi RCC Construction – 1% ahead of schedule

\*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.



# 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	FY 2020 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 2020 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 behind schedule but there is currently no impact on receiving project benefits.

Actual

“S”= Scheduled



# Kentucky Locks & Dam, Tennessee River, KY

	ARRA	CG	IWTF	Total
<b>Total Project Cost:</b>				\$1,254,485,000 <sup>1</sup>
Allocations through FY13:	\$88,833,626	\$175,955,288	\$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:	NA	\$18,000,000	\$18,000,000	\$36,000,000
FY18 Budget:	NA	\$0	\$0	\$0
<b>Total Allocations to Date:</b>	\$88,833,626	\$224,155,288	\$189,660,987	\$502,649,901
<b>Remaining Balance:</b>				\$751,835,099
<b>Remaining Balance Change From Last Meeting</b>				<b>\$0</b>

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

## Changes

- **\$4.1M Site, Demolition, & Utilities (SDU) contract awarded 31 Jan 2018**

## 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

- **\$1.7M Credit modification executed for Value Engineering Change Proposal for Downstream Cofferdam.**
- **Downstream Cofferdam construction is 26% financially complete.**

## Next Steps

- Progress Economic Update.
- **Award Downstream Lock Excavation contract by 30 September 2018.**



# 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	31-Jan-18	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-20	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
<b>Total Project Cost:</b>				\$754,678,000 <sup>1</sup>
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:	NA	\$20,000,000	\$20,000,000	\$40,000,000
FY18 Budget:	NA	\$0	\$0	\$0
<b>Total Allocations to Date:</b>	\$49,307,619	\$101,649,036	\$104,461,965	\$255,418,620
<b>Remaining Balance:</b>				\$499,259,380
<b>Remaining Balance Change From Last Meeting</b>				<b>\$0</b>

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

## Changes

- None

### 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 base contract awarded Sept 2017 – current contract completion date 5 Oct 2018.
- Lock Excavation (LE) contract is 39% financially complete.

### Next Steps

- Progress rock blasting/excavation activities in LE contract.
- Exercise Lock Chamber contract options in FY18.
- Anticipate HQ USACE approval of PACR in Jul 2018.





# 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	26-Sep-16	Nov 2018		
Task 4 – Lock Chamber	11-Aug-05	28-Sep-17	Dec 2023	Dec 2023	
Task 5 – Site Work and Decommission Existing Lock	11-Aug-05	30-Sep-20	Sept 2024		
Task 6 – Approach Walls	11-Aug-05	30-Sep-21	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.



# Emsworth Locks & Dam, Ohio River, PA

	ARRA	CG	IWTF	Total
<b>Total Project Cost:</b>				\$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
<b>Total Allocations to Date:</b>	30,836,648	74,448,000	48,648,000	153,932,647
<b>Remaining Balance:</b>		\$3,033,676	\$3,033,676	*\$6,067,353
<b>Remaining Balance Change From Last Meeting</b>				\$ 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.
- Work to clean and paint 2 sets of Emergency Bulkheads to begin in April 2018.

### Next Steps

- DSOG review scheduled 2<sup>nd</sup> 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



# Questions

