

# Inland Waterways Users Board

## Meeting No. 73

Baltimore, Maryland

## Financial Report & Project Summaries

Mr. Joseph Aldridge  
USACE Headquarters

November 18, 2014



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US Army Corps of Engineers  
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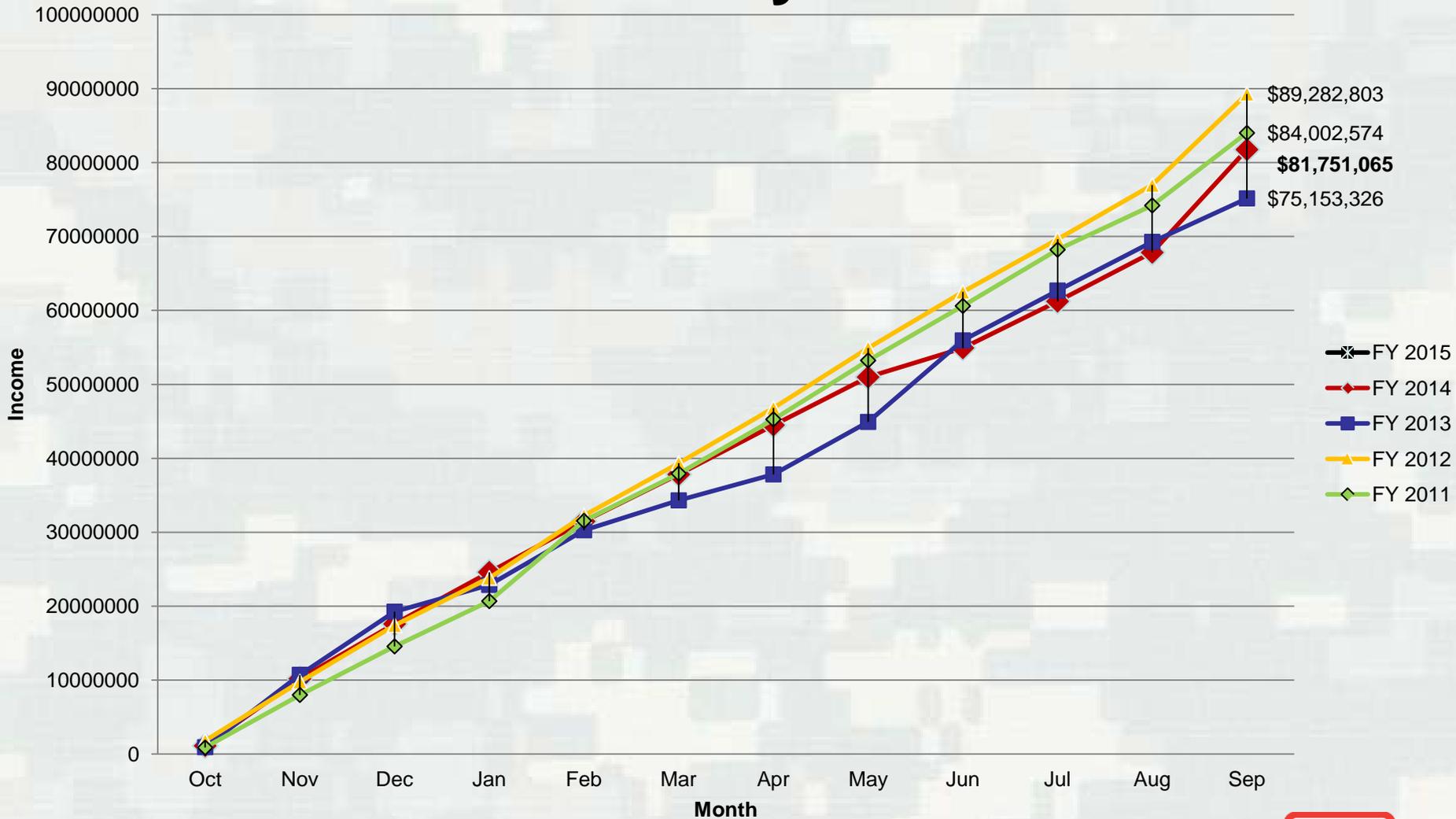
# FY 14 Status of Trust Fund

(30 September 2014)

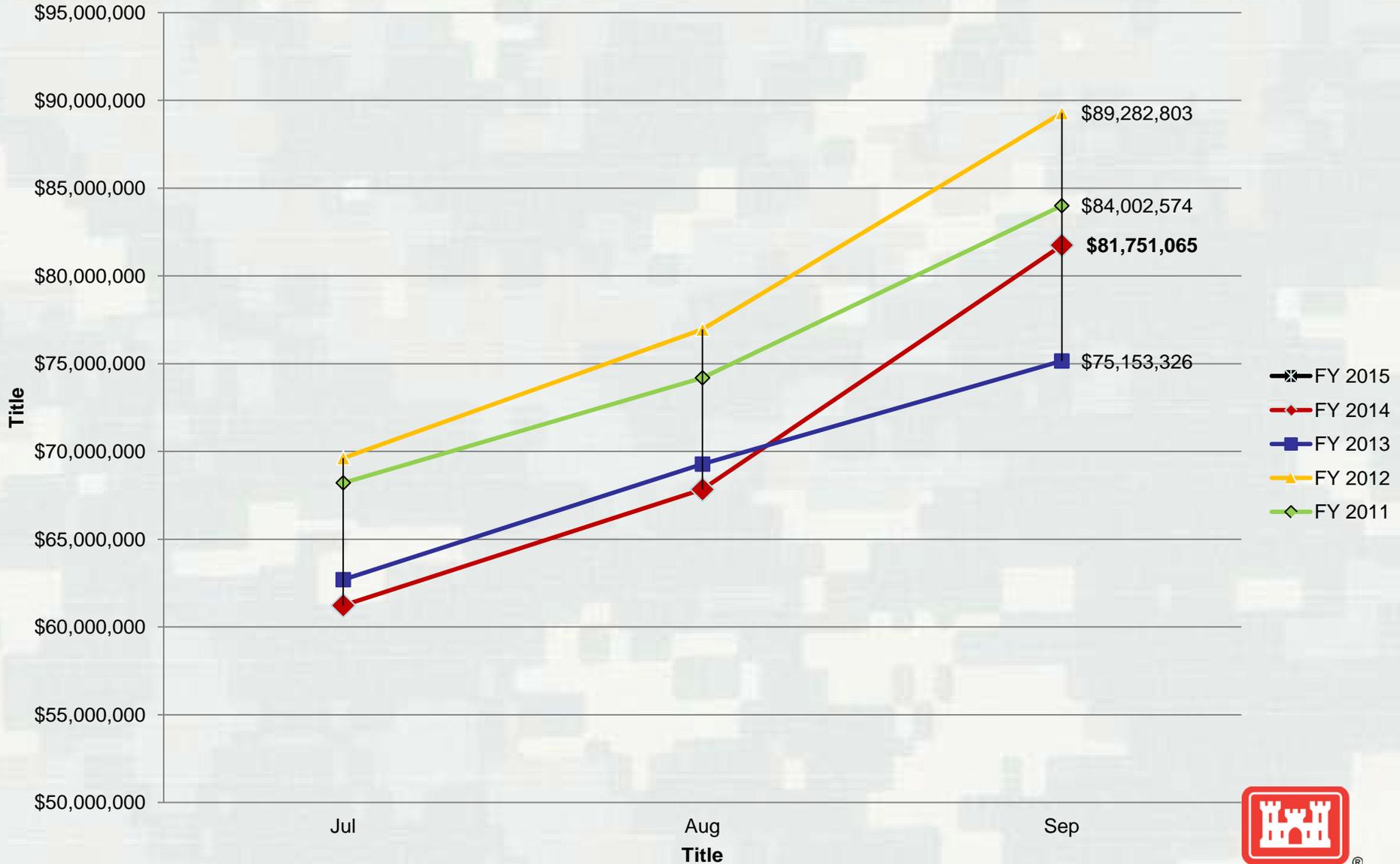
	IWTF	USACE
FY 14 Beginning Balance:	\$33,820,821	\$0
Previous Transfer Authority(SEQ/ATB)	\$0	\$4,028,744
Previous Transfer Authority(PTA)	\$0	\$2,928,285
<b>Total Available -</b>	<b>\$33,820,821</b>	<b>\$6,957,029</b>
	IWTF	USACE
FY 14 Beginning Balance :	\$40,777,850	\$0
FY 14 Fuel Tax Revenue:	\$81,727,513	\$0
FY 14 Interest:	\$23,552	\$0
<b>Total Available -</b>	<b>\$122,528,915</b>	<b>\$0</b>
Transfers to Corps	(\$1,500,000)	\$1,500,000
Transfers to Corps	(\$96,368,992)	\$96,368,992
<b>Total Transfers-</b>	<b>(\$97,868,992)</b>	<b>\$97,868,992</b>
Emsworth Disbursement	\$0	\$ (1,500,000)
Corps Conf/Work Plan Distribution	\$0	\$(92,487,500)
Corps Other (Reprog/Rebal/Holdback)	\$0	\$ (3,881,492)
<b>Total Activity-</b>	<b>\$0</b>	<b>\$(97,868,992)</b>
<b>Ending Balance -</b>	<b>\$24,659,923</b>	<b>\$0</b>



# Inland Waterways Trust Fund



# Inland Waterways Trust Fund



# FY 13 USACE IWTF Applied to Projects

(30 September 2013)

▪ Olmsted L&D	\$71,856,000
▪ Lower Monongahela 2,3,4	\$11,093,652
▪ Miss River L&D 27	\$ 474,050
▪ Emsworth L&D	<u>\$ 250,000</u>
Total:	\$83,673,702



# FY 14 USACE IWTF Applied to Projects

(30 September 2014)

▪ Olmsted L&D	\$ 40,750,000
▪ Lower Monongahela 2,3,4	\$ 37,337,500
▪ Lockport L&D Major Rehab	<u>\$ 14,400,000</u>
Total:	\$ 92,487,500



# Project Updates

- Lockport
- IHNC
- Miss River L&D 27
- Olmsted
- Monongahela Locks 2, 3, and 4
- Emsworth
- Kentucky
- Chickamauga



# Lockport Pool Major Rehabilitation, Illinois Waterway, IL

	Construction	ARRA	IWTF	Total
Total Project Cost:	\$ 75,403,161	\$59,372,414	\$14,400,000	\$149,175,575
FY13 Allocation:	\$ 4,990,000		\$ 0	\$ 4,990,000
FY14 Allocation :	\$ 14,400,000		\$14,400,000	\$ 28,800,000
FY15 Budget:	\$ 0		\$ 0	\$ 0

Remaining Balance:	\$ 0	\$ 0	\$ 0	\$ 0
Remaining Balance Change From Last Meeting				\$ 0

## Changes

- Awarded Forebay Wall Contract.

## Current Status of the Project

- Not applicable to Sec 902
- Prior to FY14 allocations were 100% Construction
- FY14 allocations 50-50 Construction and IWTF
- Forebay Wall contract awarded Sep 11, 2014 for \$31.9M

## Next Steps

- Complete construction in FY16



# 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) 30-09-16	(DD-MM-YY) 30-09-16	(DD-MM-YY) 30-06-17



# IHNC Lock Replacement, GIWW, LA

	Construction	ARRA	IWTF	Total
Total Project Cost:	\$791,588,500	\$0	\$609,837,500	\$1,401,426,000
FY13 Allocation:	\$0		\$0	\$0
FY14 Allocation :	\$0		\$0	\$0
FY15 Budget:	\$0		\$0	\$0
Remaining Balance:	\$746,425,000		\$543,598,000	\$1,290,023,000
Remaining Balance Change From Last Meeting				\$0

## Changes

- **No change to Construction & IWTF cost.**
- **USACE is continuing fiscal closeout of IHNC Deep Draft Lock Replacement project.**
- **USACE is continuing to pursue a Shallow Draft Lock Replacement general re-evaluation report.**

### Current Status of the Project

- **Not applicable to Sec 902**
- **IHNC Deep Draft Lock Replacement is being fiscally closed out.**

### Next Steps

- **Continue general re-evaluation report for a Shallow Draft Replacement Lock.**



# 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



# Locks & Dam 27 Major Rehabilitation, Mississippi River, IL

	Construction	ARRA	IWTF	Total
Total Project Cost:	\$6,504,012	28,815,988	\$4,264,000	\$39,584,000
FY13 Allocation:	\$474,050	-340,357	\$ 474,050	\$ 607,743
FY14 Allocation :	\$0	\$0	\$0	\$ 0
FY15 Budget:	\$0	\$0	\$0	\$ 0
Remaining Balance:	\$0	\$0	\$0	\$ 0
Remaining Balance Change From Last Meeting				\$0

## Changes

- **No Changes since last board meeting.**

### Current Status of the Project

- **Not applicable to Sec 902**
- **All contracts completed in 2013**
- **Cost share allocations in balance**

### Next Steps

- **Completion of O&M Manuals and As-Builts in FY 2015**



# Locks & Dam 27 Major Rehabilitation, Mississippi River, IL

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete	Project Benefits	Capitalized Cost Closeout
<b>Task 1- Last Completed:</b> Install Main Lock Miter Gates	(DD-MM-YY) 01-04-10	(DD-MM-YY) 03-08-10	(DD-MM-YY) 16-05-13	(DD-MM-YY) 01-03-13	(DD-MM-YY) <b>30-09-15</b>
<b>Task 2- None</b>					



# Olmsted Locks and Dam, Ohio River, IL & KY

Total Project Cost: \$3,098,573,000*	CG	IWTF	Total
FY13 Allocation:	\$71,856,000	\$71,856,000	\$143,712,000
FY14 Allocation :	\$122,250,000	\$40,750,000	\$163,000,000
FY15 Budget:	\$136,000,000	\$24,000,000	\$160,000,000
<b>Remaining Balance (after FY15):</b>	<b>\$938,298,000</b>	<b>\$165,582,000</b>	<b>\$1,103,880,000</b>
<b>Remaining Balance Change From Last Meeting</b>			<b>\$ 8,000,000</b>

Note \*: Cost and Schedule data reflective of the latest Certified Cost Estimate (01 OCT 2013 price levels) completed in JUL 2014.

## Changes

- Adjustment to FY14 allocation; reprogramming from Lower Mon 2, 3 and 4 L&D.

## Funding Overview

- Original Authorized Cost: \$775M
- 902 Limit: TBD \*\*
- ARRA Funding (FY09-11): \$ 29.5M
- Engineering & Design Cost: \$157.4M
- Supervision & Admin Cost : \$131.5M
- Mitigation: \$16.0M

\*\* 902 Limit will be based on latest Certified Cost Estimate

## Next Steps

- Set Nav Pass 1 in 2014 Low Water Season (LWS)
- Install Tainter Gate 1 in 2014 LWS

## Current Status of the Project

- Right Boat Abutment set 02 Nov 2014
- 4 Paving Blocks set in 2014 LWS
- CG / IWTF (75/25) for FY14 only; (85/15) beginning FY15



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# Olmsted Locks and Dam, Ohio River, IL & KY

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete	Project Benefits	Capitalized Cost Closeout
<b>Dam</b>	26-Aug-96	28-Jan-04	30-Jun-21	1-Jul-21	30-Dec-21
<b>Wicket Lifter</b>	1-Oct-15	9-Feb-17	13-Feb-19	14-Feb-19	30-Jun-19
<b>Building &amp; Grounds</b>	1-Oct-18	18-Jun-19	30-Apr-21	1-May-21	30-Sep-21
<b>Demolition L&amp;D 52</b>	1-Apr-19	18-Oct-21	16-Feb-24	N.A.	30-Jun-24
<b>Demolition L&amp;D 53</b>	1-Apr-19	1-Dec-21	1-Oct-23	N.A.	1-Jan-24
<b>River Dikes</b>	1-Oct-20	6-Jun-22	7-Jun-24	30-Jun-24	30-Sep-24

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



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

Total Project Cost: \$2,733M*	ARRA	CG	IWTF	Total
FY13 Allocation:	\$1,510,007	\$11,093,652	\$11,093,652	\$23,697,311
FY14 Allocation:	\$0	\$37,337,500	\$37,337,500	\$74,675,000
FY15 Budget:	\$0	\$4,516,000	\$4,516,000	\$9,032,000

Remaining Balance:	\$1,046,623,500	\$1,046,623,500	\$2,093,247,000
Remaining Balance Change From Last Meeting			\$2,002,000**

Notes: \* Cost and Schedule data reflect the FY2015 cost Update & 902 Limit Calculations, Fully Funded  
 \*\* Change due to reprogramming actions.

## Changes

- Charleroi River Chamber Completion, Monoliths M-22 to M-27 Award to Joseph B. Fay Company
  - Award Date: August 15, 2014
  - Award Amount: \$58,578,541.31

## Funding Overview

- Original Authorized Cost: \$556M
- 902 Limit: \$1.76B
- ARRA Funding (FY09-FY13): \$68.4M
- Engineering & Design Cost: \$603M \*
- Supervision & Admin Cost: \$207M
- Mitigation: \$12M

\* \$603M includes ALL Engineering & Engineering During Construction

## Current Status of the Project

- FY2015 Charleroi M22-M27 contractor submittals

## Next Steps

- Charleroi river chamber completion (Base plus Options)



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

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete	Project Benefits	Capitalized Cost Closeout
Charleroi River Wall	1-Oct-95	27-Sep-04	14-Dec-15 S		
Charleroi Emptying Basin	1-Oct-95	30-Sep-13	26-Dec-15 S		
Charleroi River Chamber (M22-M27)	1-Oct-95	15-Aug-14	2018		
Charleroi Dam Stilling Basin Extension	1-Oct-95		Funding + 4 years		
Charleroi River Chamber Completion	1-Oct-95		Funding + 7 years		
L/D 3 Removal	TBD		Funding + 2 years		
Dredging	1-Oct-95		Funding + 4 years		
Municipal Relocations	1-Oct-93		Funding + 5 years		
Port Perry Bridge Relocation	1-Oct-95		Funding + 4 years		
Charleroi Land Chamber *1	TBD		Funding + 6 years		

**\*1: Over 90 % of project benefits can be achieved without constructing the Charleroi Land Chamber**



# Emsworth Locks & Dam, Ohio River, PA

Total Project Cost: \$160M	ARRA	CG	IWTF	Total
FY13 Allocation:	\$403,215	\$5,061,070	\$417,500	\$5,881,785
FY14 Allocation:	\$0	\$0	\$0	\$0
FY15 Budget:	\$0	\$0	\$0	\$0

Remaining Balance:	\$2,175,474	\$2,175,474	\$4,350,948
Remaining Balance Change From Last Meeting			- \$2,000*

Note: \* Remaining Balance change due to reprogramming.

## Changes

No Changes since last board meeting.

### Funding Summary

- Original Authorized Cost: \$160M
- 902 Limit: N/A\*
- Wedge Funding (FY04-05): \$ 3.5M
- ARRA Funding (FY09-FY13): \$33.6M
- Engineering & Design Cost: \$14.1M\*\*
- Supervision & Admin Cost : \$ 8.6M
- Mitigation: \$ 0.0M

\* Actual project cost will be less than Approved Cost

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

### Current Status of the Project

- PDT working project punch list items

### Next Steps

- Project will be fiscally complete in FY15



# 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	30-Sep-11
Main Channel Gate & Scour Rehab	1-Jun-07	30-Jul-08	31-Jan-14	1-Feb-14	31-Dec-14
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	30-Apr-15



# Kentucky Locks & Dam, Tennessee River, KY

Total Project Cost: \$862,400,000 *	ARRA	CG	IWTF	Total
FY13 Allocation:	\$442,002	\$44,422,700	\$(137,200)	\$44,285,500
FY14 Allocation :			\$0	\$0
FY15 Budget:			\$0	\$0

Remaining Balance:	\$450,910,902
Remaining Balance Change From Last Meeting	\$0

Note \*: Project cost data is reflective of the latest annual price level adjustment (OCT 2014 \$'s), Fully Funded

## Changes

- No change in remaining balance since last meeting.

## Additional Info

- Authorized Cost: \$393,200,000 (Oct '91 \$); \$862,400,000 \* (Oct '14 \$)
- 902 Limit: \$471,840,000 (Oct '91 \$); \$810,358,000 (Oct '14 \$)
- ARRA (FY09-13) : \$88,833,628
- Engineering & Design Cost : \$99,649,000 (through FY14)
- Supervision & Admin Cost : \$18,329,000 (through FY14)
- Mitigation Cost: TBD, alternative analysis on hold pending additional funding

## Current Status of the Project

- Future allocations will be 50 / 50 cost share
- U/S Lock Monolith Contract 74% complete
- Risk based total project cost update suspended pending receipt of additional funding.

## Next Steps

- Complete permanent line of protection behind Upstream Cofferdam
- Construction of Downstream Cofferdam



# 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	12-Feb-16		
Task 3 – Upstream Miter Gate Fabrication	01-Oct-02	30-Sep-13	31-Mar-15		
Task 4 – Lock and Downstream Cofferdam	01-Oct-00	-	Funding + 5.5 yrs		
Task 5 – Approach Walls	01-Oct-02	-	Funding + 14 Months		



# Chickamauga Lock & Dam, Tennessee River, TN

Total Project Cost: \$1,224,850,000 *	CG	IWTF	Total
FY13 Allocation:	\$223,900	\$(227,500)	\$(3,600)
FY14 Allocation :	\$0	\$0	\$0
FY15 Budget:	\$0	\$0	\$0

Remaining Balance:	\$1,041,953,000
Remaining Balance Change From Last Meeting	\$0

**Note \*: Cost & Schedule data reflect the FY2015 risked based total project cost update, Fully Funded**

## Changes

- No Changes since last board meeting.

## Additional Info

- Authorized Cost: \$267,166,000 (Oct '02 \$); \$1,224,850,000 \* (Oct '14 \$)
- 902 Limit: \$320,600,000 (Oct '02 \$); \$469,783,000 (Oct '14 \$)
- ARRA Funds : \$49,330,043 (total FY09 – 12)
- Engineering & Design Cost: \$46,073,000 (actual through FY13)
- Supervision & Admin Cost: \$5,865,000 (actual through FY13)
- Mitigation Cost: TBD, alternative analysis underway

## Current Status of the Project

- Future allocations will be 50/50 cost share
- Construction temporarily suspended
- Cost reduction alternative analysis underway

## Next Steps

- Stabilize and grout seepage in coffer cells
- Secant pile wall for clay seam
- Begin lock excavation



# 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 - Excavation Phase I	31-Sep-05	-	Funding + 24 Months		
Task 3 – Lock Construction & Decommission Existing Lock	11-Aug-05	-	Funding + 6 years		

