

Inland Waterways Users Board

Meeting No. 77

St. Louis, Missouri

Financial Report & Project Summaries

Mr. Joseph Aldridge
USACE Headquarters

December 2, 2015



US Army Corps of Engineers
BUILDING STRONG[®]



FY 15 Status of Trust Fund

(30 September 2015)

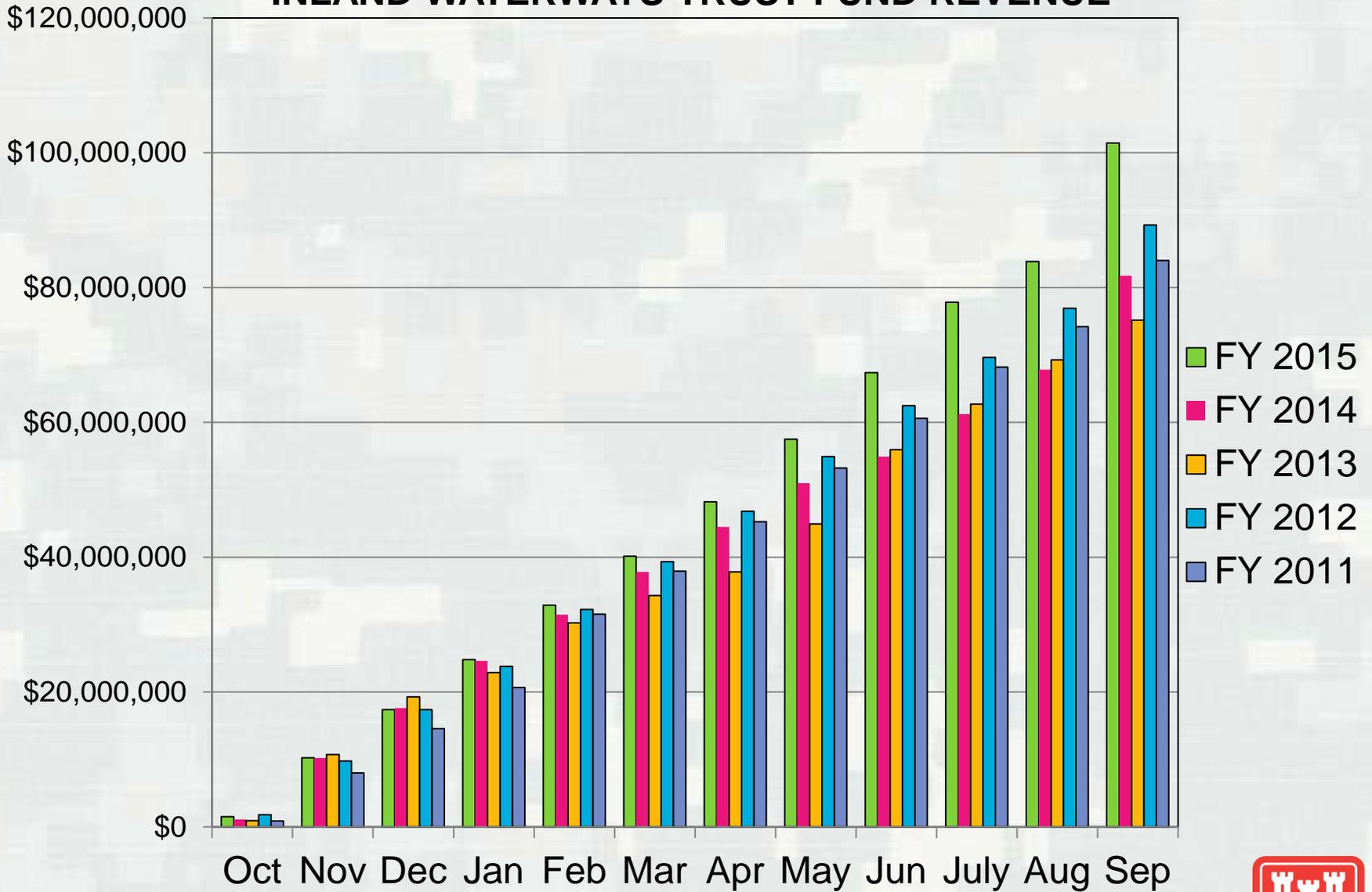
	IWTF	USACE
FY 15 Beginning Balance:	\$24,659,924	\$0
Previous Transfer Authority(SEQ/ATB)	\$0	\$0
Previous Transfer Authority(PTA)	\$0	\$0
Total Available -	\$24,659,924	\$0
FY 15 Beginning Balance:	\$24,659,924	\$0
FY 15 Fuel Tax Revenue:	\$98,066,831	\$0
FY 15 Interest:	\$13,794	\$0
Total Available -	\$122,740,549	\$0
Transfers from IWTF to Corps (8861)	(\$68,517,500)	\$68,517,500
Total Transfers -	(\$68,517,500)	\$68,517,500
Total Activity	(\$68,517,500)	\$68,517,500
Ending Balance -	\$54,223,049	\$0

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

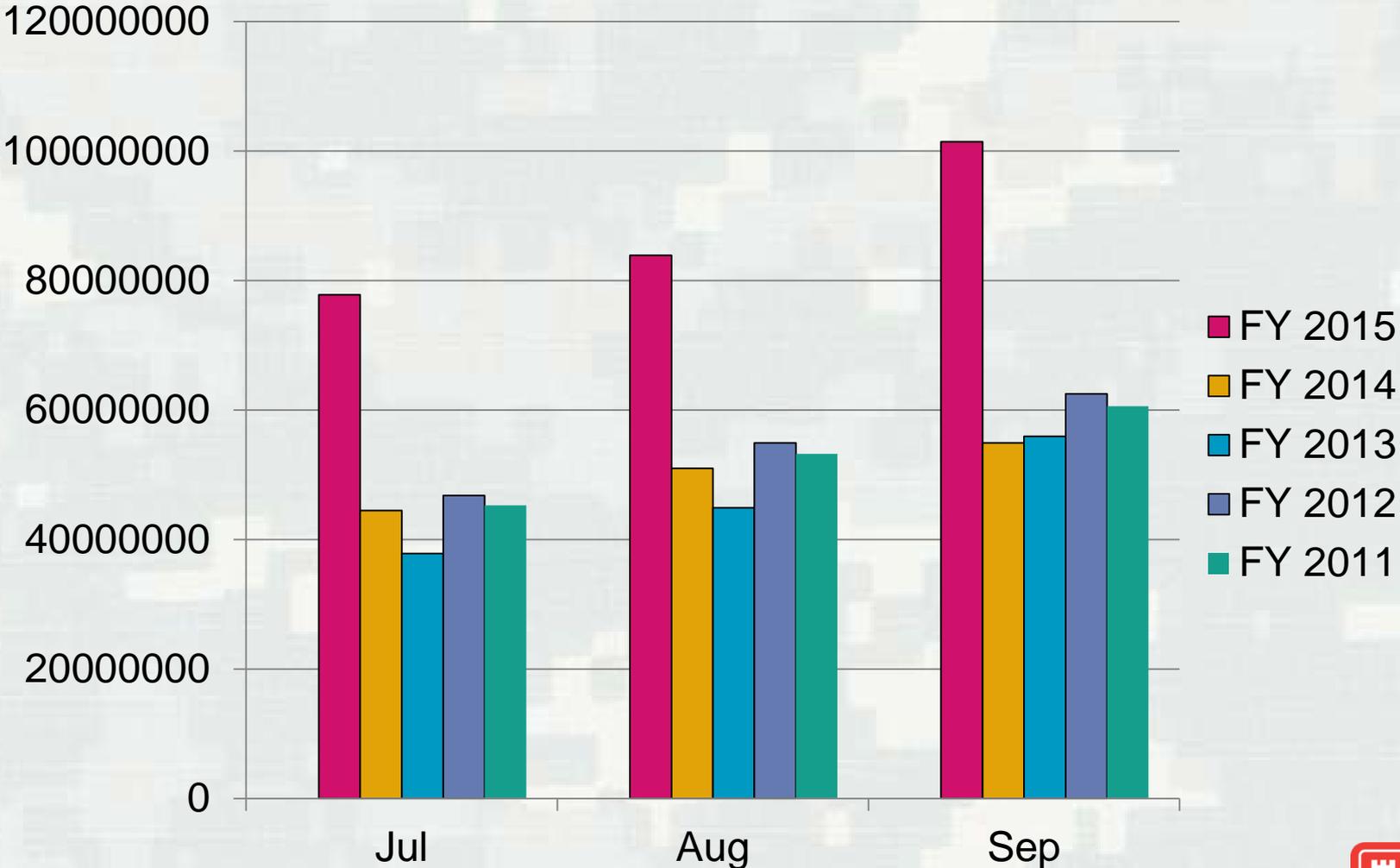
**Amount includes adjustment made by Bureau of Fiscal Service to bring appropriated estimates to actual taxes received.



INLAND WATERWAYS TRUST FUND REVENUE



INLAND WATERWAYS TRUST FUND REVENUE (4TH QUARTER COMPARISON)



IWTF Projects – President’s Budget and Total Allocation

<u>Project</u>	<u>Funding Item</u>	<u>FY2012</u>	<u>¹FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>FY2016</u>
<u>Olmsted</u>	President’s Bud	\$150,000,000	\$144,000,000	\$163,000,000	\$160,000,000	\$180,000,000
	Total allocation	\$149,287,623	\$143,712,000	² \$165,712,374	³ \$212,710,000	\$0
<u>Lower Mon</u>	President’s Bud	\$1,000,000	\$36,650,000	\$1,960,000	\$9,032,000	\$52,000,000
	Total allocation	\$1,158,000	\$23,697,311	^{2,4} \$72,673,000	² \$55,981,289	
<u>Emsworth</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0
	Total allocation	\$0	\$5,881,785	² \$2,000	² \$2,000	\$0
<u>Kentucky L&D</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0
	Total allocation	\$1,001.00	\$44,285,500	\$0.00	⁴ \$14,700,000	
<u>Chick L&D</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0
	Total allocation	\$1,001	(\$3,600)	⁵ \$1,815,000	⁶ \$3,000,000	\$0
<u>Lockport</u>	President’s Bud	\$0	\$3,600,000	\$11,400,000	\$0	\$0
	Total allocation	\$4,200,000	\$4,990,000	\$28,800,000	\$0	\$0
<u>IHNC</u>	President’s Bud	\$0	\$0	\$0	\$0	\$0
	Total allocation	\$0	\$0	\$0	\$0	\$0
<u>L/D 27</u>	President’s Bud	\$100,000	\$850,000	\$0	\$0	\$0
	Total allocation	\$98,000	⁷ \$607,743	⁸ (\$2,000)	\$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



Project Updates

(Mississippi Valley Division)

- Lockport
- Inner Harbor Navigation Canal (IHNC)
- Miss River L&D 27



Lockport Pool Major Rehabilitation, Illinois Waterway, IL

	ARRA	CG	IWTF	Total
Total Project Cost:	\$59,372,414	\$75,403,161	\$14,400,000	\$149,175,575
FY13 Allocation:	0	4,990,000	0	4,990,000
FY14 Allocation:	0	14,400,000	14,400,000	28,800,000
FY15 Allocation:	0	0	0	0
FY16 Budget:	0	0	0	0
Remaining Balance:				
		\$0	\$0	\$0
Remaining Balance Change From Last Meeting				\$0

Changes

- **Completion moved from FY 16 to 17. Issue with access to the site (unsafe bridge) required a modification to create an access road for the contractor. This added additional time for construction completion now scheduled June of 2017.**

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 construction on-going

Next Steps

- Complete construction in **FY17**



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) 30-06-17	(DD-MM-YY) 30-06-17	(DD-MM-YY) 30-03-18



IHNC Lock Replacement, GIWW, LA

	ARRA	CG	IWTF	Total
Total Project Cost:	\$0	\$791,588,500	\$609,837,500	\$1,401,426,000
FY13 Allocation:	0	0	0	0
FY14 Allocation:	0	0	0	0
FY15 Allocation:	0	0	0	0
FY16 Budget:	0	0	0	0
Remaining Balance:				
		\$719,440,000	\$543,598,000	\$1,263,038,000
Remaining Balance Change From Last Meeting				-\$26,985,000

Changes

- Updated current status of the project and the next steps.

Current Status of the Project

- Not applicable to Sec 902
- USACE has completed interim project accounting.
- USACE has initiated a Lock Replacement general re-evaluation report.

Next Steps

- Continue general re-evaluation report for a lock replacement to be completed by Dec 2017.
- MVN will send formal funding request letter for the amount owed by the Port of New Orleans.



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

	ARRA	CG	IWTF	Total
Total Project Cost:	\$28,815,988	\$ 6,504,012	\$4,264,000	\$39,584,000
FY13 Allocation:	\$ -340,357	\$ 474,050	\$ 474,050	\$ 607,743
FY14 Allocation:	\$ 0	\$ -2,000	0	\$ -2,000
FY15 Allocation:	\$ 0	\$ 0	\$ 0	\$ 0
FY16 Budget:	\$ 0	\$ 0	\$ 0	\$ 0
Remaining Balance:				
		\$ 0	\$ 0	\$ 0
Remaining Balance Change From Last Meeting				\$ 0

Changes

- Updated anticipated project closeout date.

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~~
- Anticipated project closeout in 2nd Quarter FY 16



Locks & Dam 27 Major Rehabilitation, Mississippi River, IL

Schedule of Remaining Work	Design Initiated	Contract Award	Construction Complete	Project Benefits	Capitalized Cost Closeout
Task 1- Last Completed: 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) 30-09-15
Task 2- None					



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:				*\$ 3,098,573,000
FY13 Allocation:	\$ 0	\$ 71,856,000	\$71,856,000	\$ 143,712,000
FY14 Allocation:	\$ 0	\$ 124,106,000	\$41,606,000	\$ 165,712,000
FY15 Allocation:	\$ 0	\$ 180,803,500	\$31,906,500	\$ 212,710,000
FY16 Budget:	\$ 0	\$ 153,000,000	\$27,000,000	\$ 180,000,000
Remaining Balance:		\$ 893,494,500	\$157,675,500	\$ 1,051,170,000
Remaining Balance Change From Last Meeting				- \$5,410,000

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

Changes
FY 15 Funding Allocations updated

<u>Funding Overview</u>	
• 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

<u>Next Steps</u>
• Set shell NP-5, and stretch goal of NP-6
• Complete foundation grout maps for entire project
• Complete foundation pile LBA and NP-12

<u>Current Status of the Project</u>
• PB-8 set 31 Aug 2015
• NP-3 set 10 Oct 2015; NP-4 set 03 Nov 2015
• Precast shell NP-6 , PB-9 & 10, SB-1 & 2 ongoing
• Master and sheet pile complete through NP-8
• Hydraulic cylinders/controls installed in TG-1 & 2
• Side and bottom seals installed on TG-1

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

LWS – Low Water Season (contractually 15 Jun – 30 Nov)
 NP – Navigable Pass
 PB – Paving Block
 RBA – Right Boat Abutment



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	9-Feb-16	13-Feb-18	14-Feb-18	30-Jun-18
Building & Grounds	1-Jan-16	1-Oct-16	30-Aug-18	1-Sep-18	31-Jan-19
Demolition L&D 52	1-Oct-17	1-Oct-19	1-Oct-21	N.A.	31-Mar-22
Demolition L&D 53	1-Oct-17	1-Apr-20	1-Apr-21	N.A.	31-Sep-22
River Dikes	12-Feb-15	31-Jan-16	31-Jan-21	1-Mar-21	1-Jun-21

NOTE: Green highlighted dates are actual dates.



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

Total Project Cost Forecast: \$1,220,000,000	ARRA	CG	IWTF	Total
FY13 Allocation:	\$1,510,007	\$11,093,652	\$11,093,652	\$23,697,311
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 Budget:	\$0	\$26,000,000	\$26,000,000	\$52,000,000

Remaining Balance:		\$240,632,377	\$240,632,377	\$481,375,500
Remaining Balance Change From Last Meeting				+\$91,827

Changes

Total project cost presented at last IWUB as \$1,220M

Remaining balance revised from \$481,265,673 to \$481,357,500, an increase of \$91,827.

\$90,827 of ARRA funds expired, previous was \$50,711. No more ARRA funds on project.

\$ 2,000 reprogrammed to Emsworth allowing for funding during FY2016 Continuing Resolution, if needed.

\$ -1,000 adjustment

Funding Overview

- Original Authorized Cost: \$556M
- 902 Limit: \$1.76B
- ARRA Funding (FY09-FY15): \$ 68.3M
- Engineering & Design Cost: \$603M *
- Supervision & Admin Cost: \$207M
- Mitigation: \$ 12M

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

Next Steps

- **Exercise Charleroi River Chamber Completion Option 1 – FY2016**

Current Status of the Project

- **Charleroi River Chamber Completion – Awarded 16 Sep 15**
- Charleroi Emptying Basin Construction – On Schedule
- Charleroi M22-M27 Construction – **behind schedule, no impact on project completion**



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	14-Dec-15 S	2022	2025
Charleroi Emptying Basin	1-Oct-95	30-Sep-13	26-Dec-15 S	2022	2025
Charleroi River Chamber (M22-M27)	1-Oct-95	15-Aug-14	December 2018S	2022	2025
Charleroi Dam Stilling Basin	1-Oct-95	FY 2018 S	FY 2021 S	2022	2025
Charleroi River Chamber Completion	1-Oct-95	16-Sep-15	FY 2022 S	2022	2025
L/D 3 Removal	2020	2021 S	FY 2023 S	2022	2025
Dredging	1-Oct-95	2017 S	FY 2022 S	2022	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.
- * 3: Project benefit and close out dates are based on the most efficient funding profile and breaching of Dam 3. Early contract completion for Dam 3 removal extends into 2023.
- 4: Over 90 % of project benefits can be achieved without constructing the Charleroi Land Chamber or relocating the Port Perry Railroad Bridge both of which have been removed from this slide. DCG(CW) directed deferment of Port Perry Bridge & Charleroi Land Chamber by memorandum dated 10 August 2015.



Emsworth Locks & Dam, Ohio River, PA

	ARRA	CG	IWTF	Total
Total Project Cost:				\$ 160,000,000
FY13 Allocation:	\$ 403,215	\$ 5,061,070	\$ 417,500	\$ 5,881,785
FY14 Allocation:	\$ 0	\$ 3,983,912	\$ - 3,981,912	\$ 2,000
FY15 Allocation:	\$ -2,717,701	\$ 1,000	\$ 1,000	\$ -2,715,701
FY16 Budget:	\$ 0	\$ 0	\$ 0	\$ 0
Remaining Balance:				\$ 3,533,324
Remaining Balance Change From Last Meeting				\$ 0

Note: * Remaining Balance change due to ARRA de-obligation (-2,702,700).

Changes

Funding **ARRA de-obligation**

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

* 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 FY16



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:				*\$ 869,500,000
FY13 Allocation:	\$ 442,002	\$ 44,442,7000	\$ -137,200	\$ 44,285,500
FY14 Allocation:	\$ 0	\$ 0	\$ 0	\$ 0
FY15 Allocation:	\$ 0	\$ 7,350,000	\$ 7,350,000	\$ 14,700,000
FY16 Budget:	\$ 0	\$ 0	\$ 0	\$ 0
Remaining Balance:				\$ 443,310,902
Remaining Balance Change From Last Meeting				\$ 6,400,000

Note : * Project cost data is reflective of the latest annual price level adjustment (OCT 2015 \$'s), Fully Funded

Changes

- Fully funded cost estimate updated to reflect one year of inflation and \$700K received to perform risk based Total Project Cost Estimate.

Additional Info

- Authorized Cost:** \$393,200,000 (Oct '91 \$); \$869,500,000 (Oct '15 \$)
- 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

- U/S Lock Monolith Contract 90% complete. **Contract was modified in Sep 2015 to install U/S miter gates.**
- Risk based total project cost update initiated with receipt of funding in July 2015, **expected completion in Spring 2016.**

Next Steps

- Complete permanent line of protection behind U/S Cofferdam
- Construction of D/S Cofferdam pending receipt of additional funding.



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-Apr-16		
Task 3 – Upstream Miter Gate Fabrication	01-Oct-02	30-Sep-13	1-Mar-16		
Task 4 –Downstream Cofferdam	01-Oct-00	-	Funding + 2.5 yrs		
Task 5– Lock	01-Oct-00	-	Funding + 4.5 yrs		
Task 6 – Approach Walls	01-Oct-02	-	Funding + 14 Mo		



Chickamauga Lock & Dam, Tennessee River, TN

	ARRA	CG	IWTF	Total
Total Project Cost:				*\$1,224,850,000
FY13 Allocation:	\$ 0	\$ 223,900	\$ -227,500	\$ -3,600
FY14 Allocation:	\$ 0	\$ 907,500	\$ 907,500	\$ 1,815,000
FY15 Allocation:	\$ 0	\$1,500,000	\$1,500,000	\$3,000,000
FY16 Budget:	\$ 0	\$ 0	\$ 0	\$ 0
Remaining Balance:				\$ 1,038,953,000
Remaining Balance Change From Last Meeting				\$ 0

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

Changes

- \$3.0M allocation in July 2015.

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

- **\$3.1M Cofferdam Stabilization construction contract was awarded in Sep 2015.**
- Level 3 Economic Update and update to the Total Project Cost Estimate are nearing completion.

Next Steps

- Award Lock Excavation construction contract pending receipt of funds.



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	Funding + 15 Mo		
Task 3 – Lock Excavation	31-Sep-05	-	Funding + 29 Mo		
Task 4 – Lock Construction & Decommission Existing Lock	11-Aug-05	-	Funding + 5 yrs		



Questions

