

MONONGAHELA RIVER LOCKS & DAMS 2, 3 & 4 PROJECT

INLAND WATERWAYS USERS BOARD MEETING NO. 99

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***World-Class Delivery...
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Charleroi Lock Control Tower



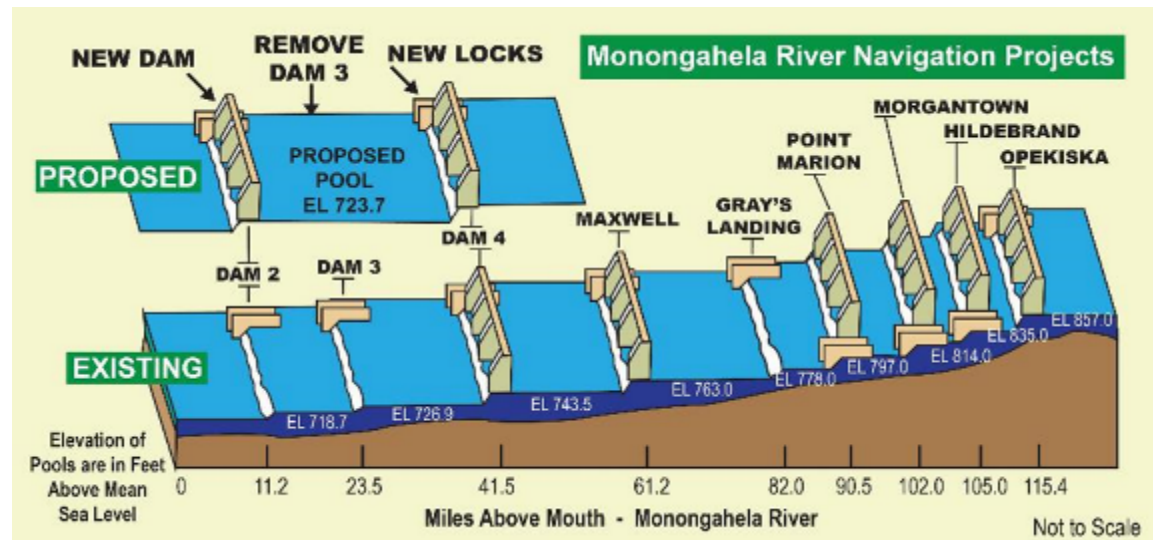


MON RIVER LOCKS & DAMS 2, 3 & 4 SCOPE

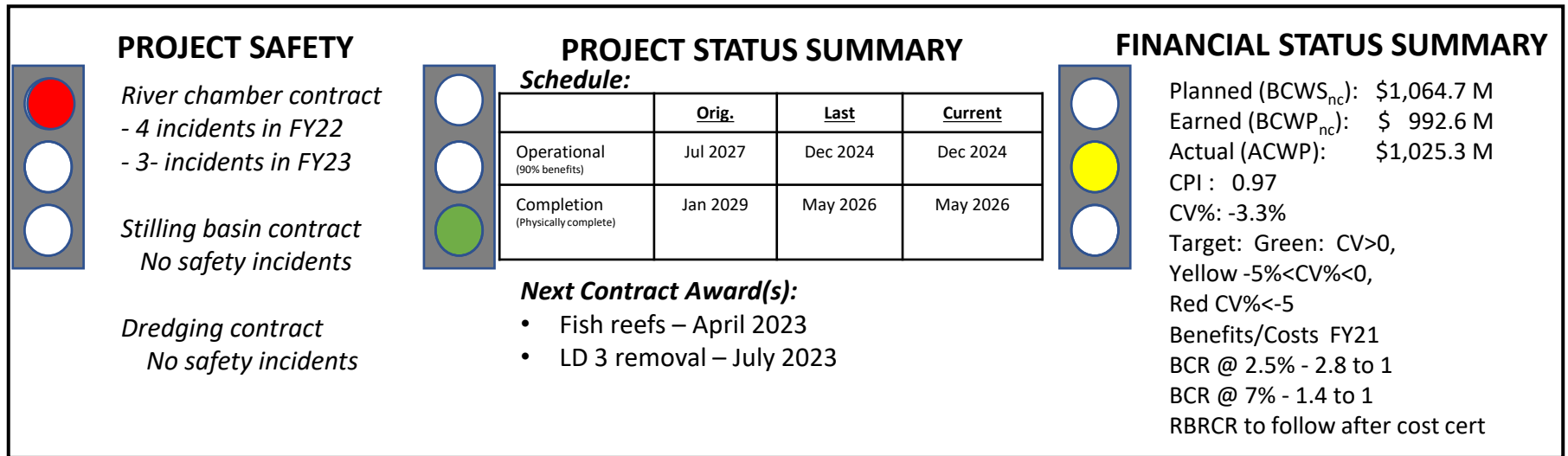


Major Project Features

- Braddock locks and dam (L/D 2): New gated dam Completed 2004
- Charleroi locks and dam (L/D 4):
 - Two new larger lock chambers (84' wide x 720' long)
River chamber under construction
Land chamber deferred
 - Dam stilling basin extension
- Locks and Dam 3 removal
- Pool 3 dredging
- Relocations
- Environmental mitigation



MON RIVER LOCKS AND DAMS 2, 3 AND 4: BLUF STATUS -SUMMARY DASHBOARD



EXECUTIVE SUMMARY:

- Charleroi river chamber making good progress on an aggressive schedule
- Operational date is December 2024 as reported at the IWUB #98
- Remaining moderate size contracts
 - LD 3 removal
 - Fish reefs
 - Charleroi land chamber closure
 - Relocations (river front parks)
- Remaining minor actions
 - Braddock gallery pumps
 - Charleroi elevator
 - Relocations (boat ramps, sewer outfalls)
- Cost Certification: Most resent 2017. Next scheduled 2023.

MON RIVER LOCKS & DAMS 2, 3 & 4 KEY ACTIVITIES



Charleroi River Chamber, Culverts



Charleroi River Chamber, In-Chamber work

Commentary:

- Contract for Stilling Basin physically complete
- Contract for Pool 3 Dredging (new navigation channel) completed
- Charleroi River Chamber
 - Flooding to begin Miter Gate installation - April 2023
 - Fully operational – January 2024
 - Contract physically complete - July 2024
- Fish Reefs contract award - May 2023
- Locks & Dam 3 Removal Contract
 - Award – July 2023
 - Begin dam removal - July 2024

MON RIVER LOCKS & DAMS 2, 3 & 4 - FUNDING SUMMARY

Funding Overview		
Authorized Cost:	556,400,000	(Oct 1991)
902 Limit:	1,764,443,000	(Mar 2019)
ARRA (FY09-13):	68,261,203	
PED & EDC Cost:	204,370,000	
S&A Cost:	53,257,000	

	ARRA	CG	IWTF	Total
Total Project Cost (May 2018) ^{*1}				\$ 1,233,835,000
Allocations through FY17	\$ 68,261,203	\$ 379,645,646	\$ 379,645,652	\$ 827,552,501
FY18 Allocation		\$ 48,150,000	\$ 48,150,000	\$ 96,300,000
FY19 Allocation		\$ 44,606,606	\$ 44,606,606	\$ 89,213,212
FY20 Allocation, (Final Funding)		\$ 55,648,770	\$ 55,648,770	\$ 111,297,540
FY21 Allocation				\$ -
FY22 Allocation				\$ -
Total Allocations to Date:	\$ 68,261,203	\$ 528,051,022	\$ 528,051,028	\$ 1,124,363,253
Remaining/Unallocated Balance ^{*2}				\$ 109,471,747
Remaining Balance Change From Last Meeting:				\$ -

*1. Cost for 90% of project benefits increased from \$1.22B to \$1.23B. Total project cost increased from \$2.73B to \$2.76B.

*2. \$109 Million of the 90% project benefits cost estimate remains unfunded. It is anticipated that additional funds will be needed to complete the project but it is also anticipated that the final cost will be below the baseline

Commentary:

- Project cost certification – 2023

Fiscal Year Funding Capabilities:

FY 2024	FY 2025	Total
\$41,000,000	TBD ^{*1}	TBD

*1 Note: FY25 capability will be determined following the 2023 cost certification.



MON RIVER LOCKS AND DAMS 2, 3 AND 4: PROGRESS AND/OR ISSUES/CHALLENGES



ISSUES/CHALLENGES

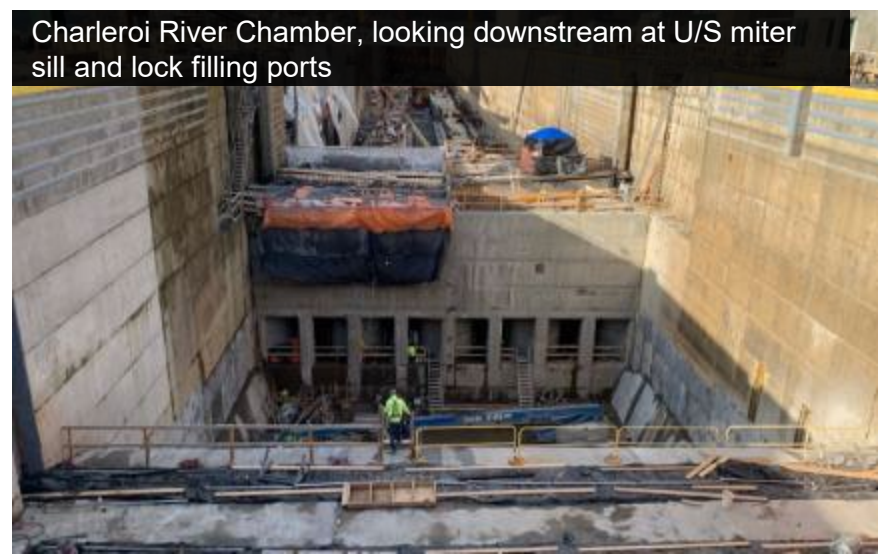
- FY 20 “completion funding” is sufficient to reach 90% benefits but insufficient to complete necessary remaining work
- Timing of 90% benefits is driven by river and environmental conditions
- Coordination of project funded relocations
- Low probability for siltation in pool 3 (new navigation channel)

LOWER MON LOCKS & DAM 2, 3 & 4 RECENT PROGRESS

Charleroi River Chamber, U/S Miter Sill



Charleroi River Chamber, looking downstream at U/S miter sill and lock filling ports



Charleroi River Chamber, looking upstream inside chamber



Charleroi River Chamber, looking downstream inside chamber



THANK YOU

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