

# CAPITAL INVESTMENT STRATEGY UPDATE

Inland Waterways Users Board Meeting #96  
New Orleans, LA  
20 April 2022

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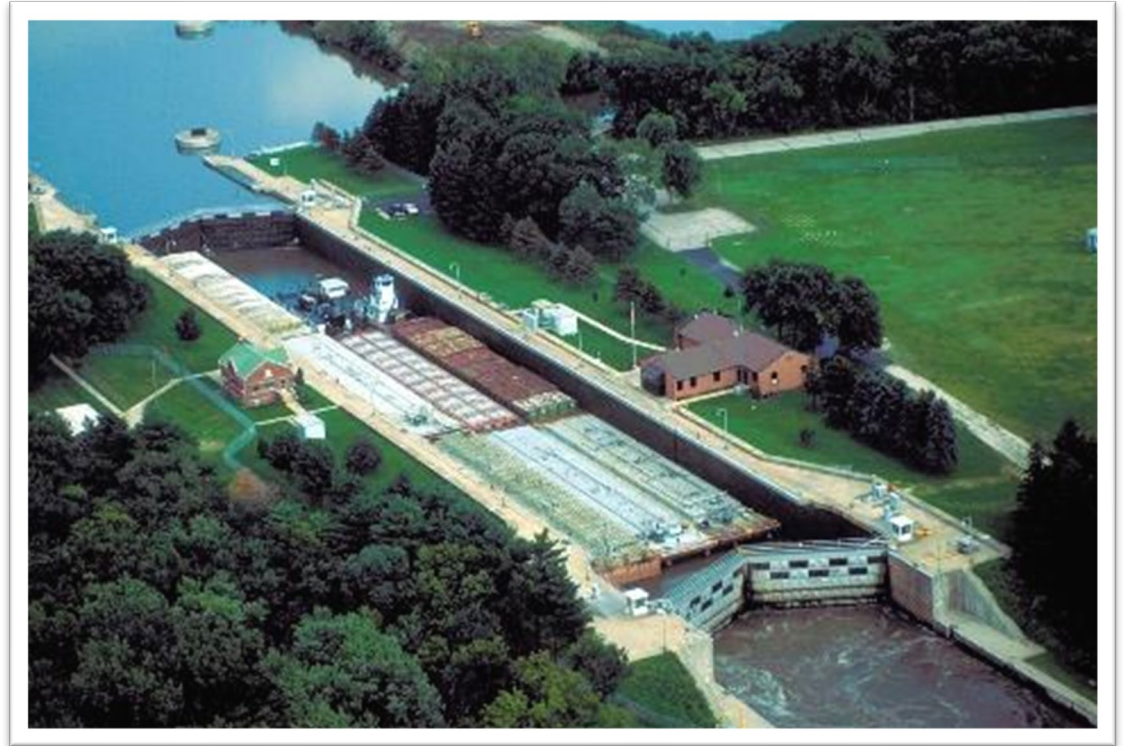
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# PURPOSE

- 2020 CIS review
- Recent Authorization & New Starts
- Discuss 2022 update process & schedule
- Initial Categories & tiers
- Next steps





# RECENT AUTHORIZATION & NEW STARTS



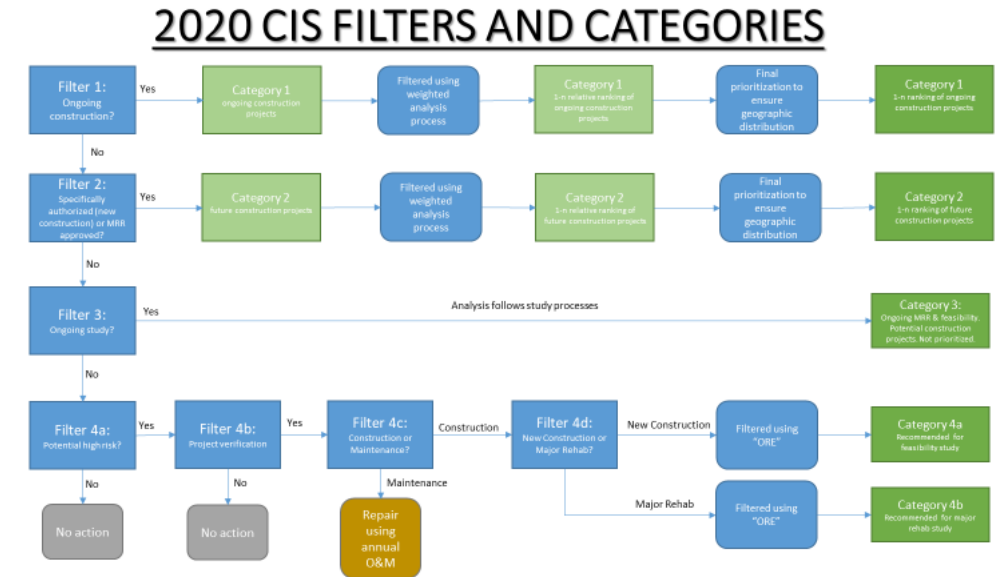
- WRDA 2020 authorizations:
  - Cost share change to 65% General Revenue / 35% IWTF (from 50%/50%) for construction starts between FY 2021 – FY 2031 for duration of construction.
  - Gulf Intracoastal Waterway, Brazos River Floodgates and Colorado River Locks (TX)
  - Kentucky Lock project cost limit increase
- FY 2021 Construction New Starts:
  - Montgomery Lock (Upper Ohio River)
- FY 2022 Funding & Construction New Starts:
  - Three Rivers (MKARNS) \$258.2M (FY22 PBud New Start)
  - Kentucky Lock (Tennessee River) \$465.49M (100% Federal)
  - Montgomery Lock (Upper Ohio River) \$857.71M (100% Federal)
  - UMR Lock 25 new lock (NESP) \$732M (100% Federal) (IIJA New Start)
  - T.J. O'Brien Lock & Dam Major Rehabilitation \$52.52M (100% Federal) (IIJA New Start)
  - Emsworth Lock (Upper Ohio River) \$77.0M (100% Federal)
  - MKARNS 12' Deepening \$92.6M (100% Federal) (Resumption)
  - Tennessee-Tombigbee Waterway and Black Warrior Tombigbee Rivers Deepening Study \$400K (100% Federal)
- FY 2023 President's Budget
  - Chickamauga Lock \$30.3M (65%/35% - \$13.76M from IWTF)



# 2022 UPDATE PROCESS DISCUSSION



- Following same categorize, filter, & prioritize process in 2020 CIS.
  - Category 1 – Ongoing Construction Projects
  - Category 2 – Authorized & Awaiting Construction Start
  - Category 3 – Ongoing Studies
  - Category 4 – Potential Studies



- Updated Category 1 based on recent new starts & appropriations.
- Category 2 listing is same as 2020 CIS except for addition of Brazos River Floodgates and Colorado River Locks.

Project	BCR	Est. Project Cost	Reliability & Condition (LPMS & OCA)	Lock Utilization (Redundancy, # of lockage)	National Significance
Brazos River Floodgates	5.03	\$194.7M	OCA for Wall Structures D	No Redundancy; 12,200 lockages (East) 12,100 Lockages (West)	High: High use waterway; Energy (Petro/Chemical)
Colorado River Locks	1.65	\$308.8M	OCA for Wall Structures D	No Redundancy; 10,600 Lockages (East) 9,500 Lockages (West)	High; High use waterway; Energy (Petro/Chemical)



# INITIAL CATEGORIES 1 & 2



## Category 1 Ongoing construction

<u>Project Title</u>	<u>Project Location</u>	<u>State</u>
Olmsted Locks and Dam	Ohio River	IL
Locks and Dams 2, 3, and 4, Monongahela River Navigation Project	Monongahela River	PA
Kentucky Lock Addition	Tennessee River	KY
Chickamauga Lock	Tennessee River	TN
Three Rivers <sup>1</sup>	MKARNS	AR
Montgomery Locks and Dam <sup>1</sup>	Upper Ohio River	PA
NESP Lock 25 <sup>2</sup>	Mississippi River	MO
Thomas O'Brien Lock & Dam major rehabilitation <sup>2</sup>	Illinois Waterway	IL
Emsworth Locks and Dam <sup>2</sup>	Ohio River	PA
MKARNS 12 ft. channel <sup>2</sup>	MKARNS	AR / OK

## Category 2 Authorized and Awaiting Construction Start (or Funding)

<u>Tier</u>	<u>Project Title</u>	<u>Project Location</u>	<u>State</u>
A	NESP LaGrange Lock & Dam <sup>2, 3</sup>	Illinois Waterway	IL
<i>A</i>	<i>Brazos River Floodgates <sup>4</sup></i>	<i>GIWW</i>	<i>TX</i>
A	NESP Lock 24 <sup>2, 3</sup>	Mississippi River	MO
B	NESP Lock 22 <sup>2, 3</sup>	Mississippi River	MO
C	NESP Lock 21 <sup>2, 3</sup>	Mississippi River	IL
C	Dashields Lock <sup>2, 3</sup>	Ohio River	PA
C	NESP Peoria Lock <sup>2, 3</sup>	Illinois Waterway	MO
<i>D</i>	<i>Colorado River Locks <sup>4</sup></i>	<i>GIWW</i>	<i>TX</i>
D	NESP Lock 20 <sup>2, 3</sup>	Mississippi River	MO

Notes: Blue font represents changes from 2020 CIS.

1. New start in FY 2021
2. New Start in FY 2022
3. Needs Appropriations
4. New start required

Tiers represent projects with similar priority





# CATEGORY 3 ONGOING STUDIES



<u>Project Title</u>	<u>Project Location</u>	<u>Status</u>
Brandon Road L&D	Illinois Waterway	Ongoing MRR study
David D. Terry L&D (No. 6)	MKARNS	Ongoing MRR study
Dresden Island L&D	Illinois Waterway	Ongoing MRR study
GIWW Coastal Resiliency Study, TX	GIWW	Ongoing study. Fully funded in FY 2020.
GIWW, High Island to Brazos River, TX	GIWW	Study ongoing.
Greenup Lock	Ohio River	MRR study initiated in FY 21
Inner Harbor Navigation Canal Lock	New Orleans, LA	Study ongoing
Lock & Dam 18	Mississippi River	Ongoing MRR study
Marmet Lock	Ohio River	MRR study initiated in FY22
Meldahl L&D	Ohio River	MRR study initiated in FY21
New Cumberland Lock	Ohio River	MRR study initiated in FY22
Pike Island L&D	Ohio River	MRR study initiated in FY 20
Robert S. Kerr L&D	MKARNS	MRR study initiated in FY22
Starved Rock L&D	Illinois Waterway	Ongoing MRR study
Tennessee-Tombigbee Waterway and Black Warrior Tombigbee Rivers Deepening Study AL & MS	Tennessee-Tombigbee Waterway and Black Warrior Tombigbee River	New Study
Webbers Fall L&D	MKARNS	MRR study initiated in FY22
Winfield Lock & Dam	Kanawha River	Ongoing MRR study

## Notes:

1. Changes from 2020 CIS shown in blue font.
2. Studies are funded by Investigations for specifically authorized studies and O&M for major rehabilitations.
3. Projects listed in alphabetical order.
4. Revisions from 2020 CIS report are denoted in blue font. Additional changes from 2020 CIS Report:
  - a. Calcasieu Lock study was removed from list because the study was closed due to lack of benefits and no further action was planned.
  - b. GIWW, Port O'Connor to Corpus Christi Bay study was removed from list since the study was closed and no further action was planned
  - c. Tennessee-Tombigbee Waterway and Black Warrior Tombigbee Rivers Deeping Study is a new project not identified in the 2020 CIS Report.



# CATEGORY 4 POTENTIAL STUDIES



<u>Project Name</u>	<u>Location</u>	<u>Description</u>
Bayou Sorrel Lock	GIWW	Requires new study authorization. New study needed to re-evaluate benefits using current waterborne data.
Belleville Locks	Ohio River	Potential MRR
Braddock L&D	Monongahela River	Potential MRR
Hannibal Locks	Ohio River	Potential MRR
Lock No. 2 & Mills Dam	MKARNS	Potential MRR
London Lock	Kanawha River	Potential MRR
Marmet Dam	Kanawha River	Potential MRR
Melvin Price Locks & Dam	Mississippi River	Potential MRR
Ozark-Jeta Taylor L&D	MKARNS	Potential MRR
Racine Locks	Ohio River	Potential MRR
Willow Island Lock	Ohio River	Potential MRR

## Notes:

1. Changes from 2020 CIS shown in blue font.
2. This list of potential studies was submitted by districts for consideration. Prior to funding the major rehabilitation study reports, the potential study requires screening to validate the potential.
3. Projects listed in alphabetical order.



# ACTIONS TO DATE AND NEXT STEPS



- ✓ Initial meeting held with Industry representatives and USACE personnel on March 28<sup>th</sup> to review CIS 2020 report and to discuss process for reporting updates
- ✓ No changes to the ranking methodology are being made during this update period.
- ✓ Comments received from each individual of the joint PDT on:
  - Proposed 2022 update process detailed below.
  - Initial Priorities for CAT1, CAT2, CAT3, and CAT4.
- ✓ USACE reviewed and revised project listings based on feedback.
- ✓ Follow-up meeting held with joint PDT week of April 11<sup>th</sup> to discuss revised project listings.
  - Updated project listings presented at Users Board Meeting on April 20<sup>th</sup>.
  - USACE will review and revise project listing based on IWUB feedback.
  - Joint PDT meeting(s) following Users Board Meeting #96 to review & discuss feedback.
  - Individual PDT members will provide individual comments.
  - Develop an initial baseline scenario based on feedback.
  - Final updated baseline scenario developed.





# THANK YOU



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