

CIVIL WORKS UPDATE

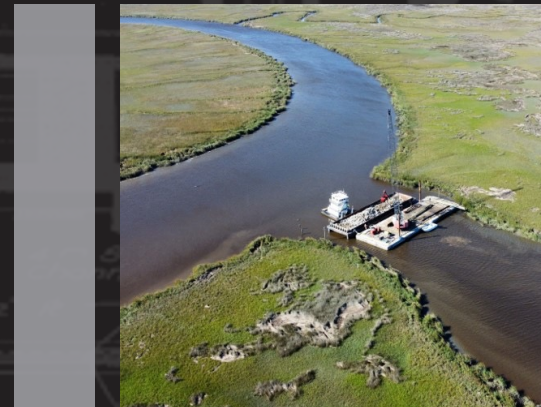
National Waterways Conference

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U.S. ARMY
of Engineers®



ADMINISTRATION PRIORITIES

Upgrade the Nation's
Waterways & Ports



Build Innovative, Climate-
Resilient Infrastructure

Modernize the Civil
Works Program



Invest in Science,
Research & Development

Strengthen Communication
and Relationships



UPGRADE THE NATION'S WATERWAYS & PORTS

Recent Accomplishments:

- **Making strategic investments in our inland waterways and port**
 - 12 Post Panamax Port Deepening Projects on-going or funded
 - 11 Lock and Dam Modernization/New Construction Projects on-going or funded
 - Leveraging the Capital Investment Strategy
- **Maintaining the navigation channel during extreme weather events**
 - 2022 & 2023 Low Water Events on Mississippi River



BUILD INNOVATIVE, CLIMATE-RESILIENCE INFRASTRUCTURE



Recent Accomplishments:

- Continue to focus on ensuring projects are prepared to perform under all plausible future climate conditions
 - Oakland Harbor
 - Jetties at the mouth of Columbia River
- Corps Water Infrastructure Financing Program (CWIFP)
 - **APPLY NOW!**
- Climate Tools
 - Support risk-informed decisions
 - Making the nation more resilient through adaptation



MODERNIZE THE CIVIL WORKS PROGRAM TO BETTER ASSIST DISADVANTAGED COMMUNITIES

Recent Accomplishments:

- Environmental Justice Initiatives
- CAP Pilot
 - Up to 20 pilot project in economically disadvantaged communities will be selected
 - Projects will be 100% Federally funded through the study, design and construction phases
 - Applications for the pilot program must be submitted by 20 October 2023



INVEST IN SCIENCE, RESEARCH & DEVELOPMENT



Recent Accomplishments:

- Beneficial use of dredged material pilot projects and initiatives
 - Goal of 70% material placed beneficially by 2030
- Innovative application of data, analytics and artificial intelligence



STRENGTHEN COMMUNICATIONS & RELATIONSHIPS

Recent Accomplishments:

- Command Partnering Philosophy
- Synchronized Civil Works Leader Engagement & Messaging
- Innovative Communication Tools: Interactive Project Maps, Podcast, Quarterly Director of Civil Works e-news






U.S. ARMY



US Army Corps of Engineers.

Top 5 Most Valuable Asset Portfolio

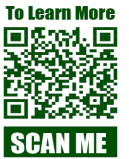
of all federal agencies
Operating, maintaining, and managing more than **\$212 Billion worth** of the Nation's water resources infrastructure.



68 studies started
82 studies completed
over the past 5 years



48 construction projects started
61 completed construction projects
over the past 5 years




U.S. ARMY CIVIL WORKS National Impacts



BUILDING FOR THE FUTURE

Navigation Reliability
Improves transportation efficiency and supply chain, lowers import and export costs, and reduces carbon footprint






40% Increase in investment in USACE locks & dams since 2010
Resulted in a **80%** decrease of unscheduled stoppages (greater than 1 day)

Recent investments have led to **25 channel & harbor deepenings completed and in progress**

Allowing cargo ships to carry **over 2.2 billion tons of cargo annually.** (2017-present)

More Efficient mode of Transportation

1 BARGE is equivalent to 

or  **16 RAILCARS** or  **70 SEMI-TRAILOR/TRAILERS**

ECONOMIC GROWTH

\$13 ROI \$1 FLOOD DAMAGES PREVENTED INFRASTRUCTURE RESILIENCY


USACE provides technical assistance and innovative solutions that reduce risks, drive economic growth, and create resilient communities for future generations.



more than 700 dams
13,000 miles of Federally Authorized Levees
The reduce the risk of flooding to more than 45 million people & \$3.8 trillion in property



400+ miles of shoreline protection




1.4 Billion visits to USACE recreation areas over the past 5 years
\$14 Billion Economic Impact supports **210,000 jobs**

INNOVATIVE SOLUTIONS



Over the past 5 years
Successfully used innovative financing tools to deliver innovative, resilient, and sustainable projects.
Public-Private Partnerships
Projected Federal Savings of more than **\$450 MILLION & 23 YEARS**


STRONG PARTNERSHIPS



more than **350** aquatic ecosystem restoration projects
in **40 states**
Restoring more than **200,000 acres** of aquatic habitat over the past 5 years

Steward **12 Million acres** of land and water in **43 states**

SUSTAINABILITY



Hydropower
Improved Turbine Reliability
25% decrease in unscheduled outages
over the past 5 years



Generating enough to power **11 Million + homes every year**

NEW EPISODES WEEKLY



Listen to learn more about our programs and projects!

<https://podcasts.apple.com/us/podcast/inside-the-castle/id1539014668>

Episodes of Interest:

- Spotlight on the Water Resources Development Act
- Interview with Chief of Engineers
- Interview with Assistant Secretary of the Army for Civil Works
- USACE Supplemental Program Overview
- Environmental Infrastructure
- Aging Infrastructure
- USACE Budget Process
- Overview of USACE Operations Division
- Corps Water Infrastructure Financing Program



www.usace.army.mil/missions/civil-works/

Thank you!