CIVIL WORKS PROGRAMS INTEGRATION DIVISION

California Marine Affairs and Navigation Conference

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Chief, Programs Integration Division

14/15 September 2023









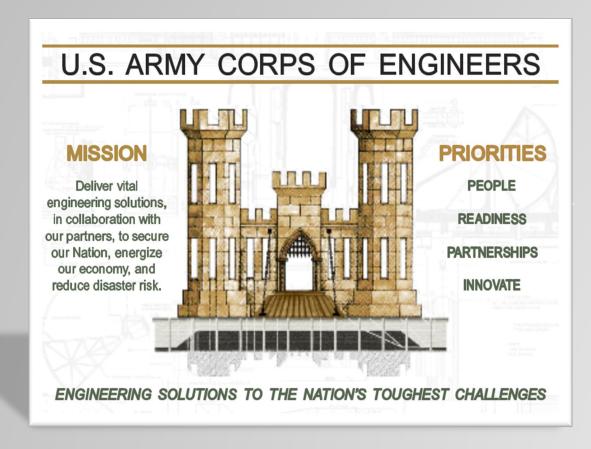








MISSION AND PRIORITIES



Chief's Priorities



Assistant Secretary of the Army for Civil Works Priorities

ACCOMPLISHMENTS



Upgrade the Nation's Waterways



Build innovative, climate- resilient infrastructure



Modernize the Civil Works Program



- Making strategic investments in inland system using Capital Investment Strategy
- Improved channel and waterway conditions
- Completing consolidated closures to upgrade lock infrastructure
- Drought resilience strategy
- Corps Water Infrastructure Financing Program
- Climate Action Plan Progress Report
- Environmental Justice interim guidance
- Tribal Partnership Program guidance update
- CAP Sec 165(A) pilot project



Invest in science, research and development

Strengthen communications and relationships

- Beneficial use of dredged material pilot projects and initiatives
- Innovative application of data, analytics and artificial intelligence
- Command Partnering Philosophy
- Synchronized Civil Work Leader Engagement & Messaging
- Innovative Communication Tools: interactive map; podcast; quarterly DCW update







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.



BUILDING FOR THE FUTURE





more than 350 aquatic ecosystem restoration projects



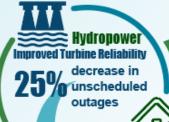
in 40 states

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

SUSTAINABLITY



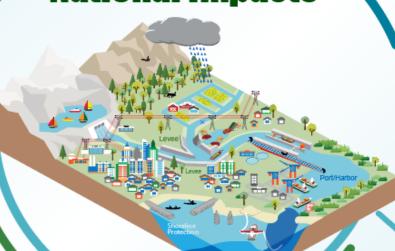
over the past 5 years



INNOVATIVE SOLUTIONS

CIVIL WORKS **National Impacts**

U.S. ARMY



Navigation Reliability

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

Recent investments have led to

25 channel & harbor deepenings completed

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

ECONOMIC GROWTH

Increase in investment Resulted in a in USACE locks & dams/ since 2010 decrease of unscheduled



RESILIENCY





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

1.4 Billion visits N = 3to USACE recreation areas over the past 5 years



\$14 Billion **Economic Impact** supports 210,000 jobs INFRASTRUCTURE

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

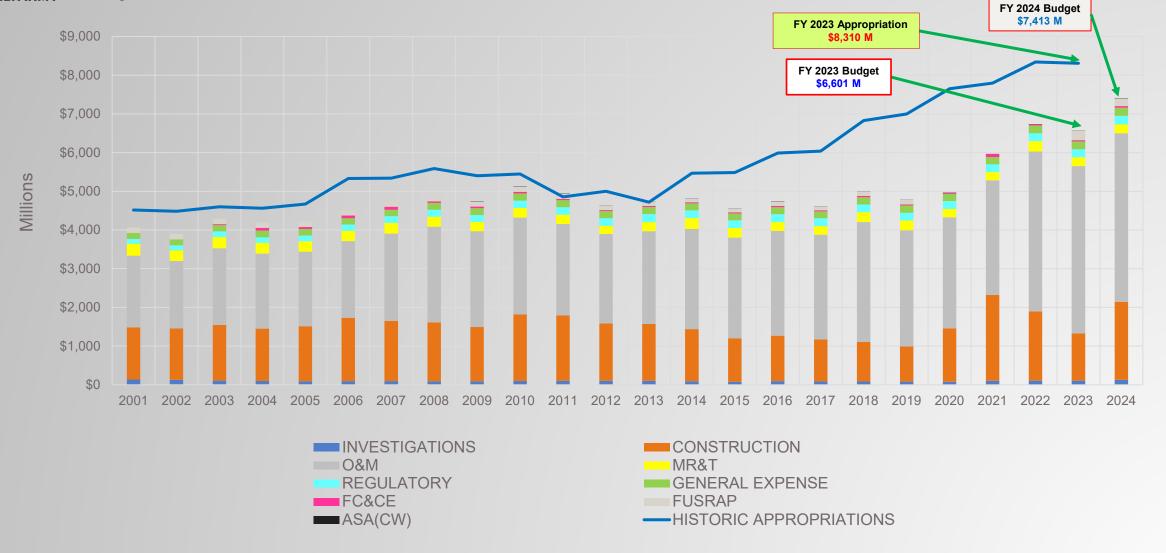
more than 700 dams 13.000 miles of Federally
Authorized Levees The reduce the risk of flooding to more than



US Army Corps of Engineers

CIVIL WORKS INVESTMENT TRENDS

(EXCLUDES SUPPLEMENTAL FUNDING)

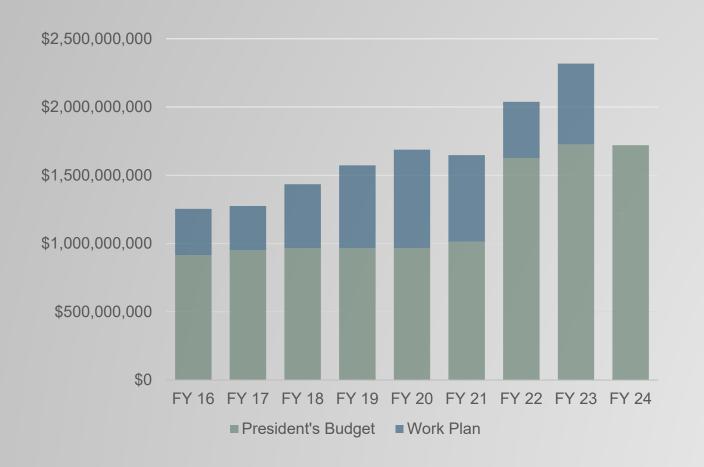


FY24 Budget is ~11% increase above FY23 Budget FY23 Work Plan is ~21% increase above the FY23 Budget FY23 Work Plan is ~0.4% decrease below FY22 Work Plan



HARBOR MAINTENANCE TRUST FUND

HMTF Allocation Trends



-FY 22 EOY Balance- \$9.5B

-FY23 bill directed \$2.32B in funding, FY24 PBUD was \$1.72B

-With the exception of a minor dip in FY 20 collections have remained at about \$1.5B/year

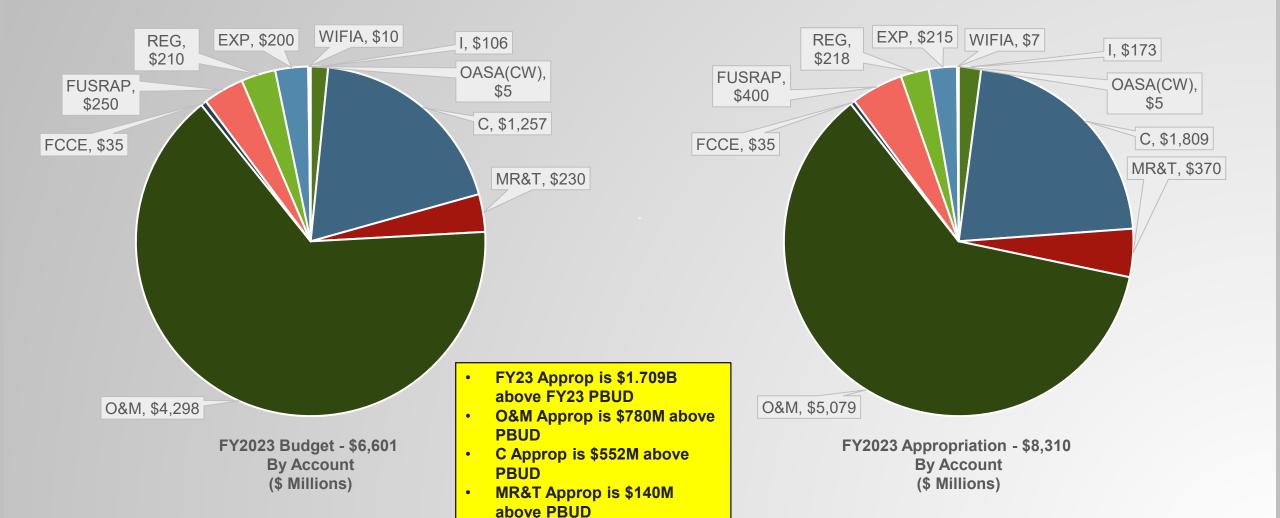
-The additional HMTF investments have allowed us to:

-maintain further into the portfolio those low use projects -address breakwater and jetty maintenance

-consider advanced maintenance activities at critical harbors



FY23 CIVIL WORKS PROGRAM SUMMARY



EI, \$5

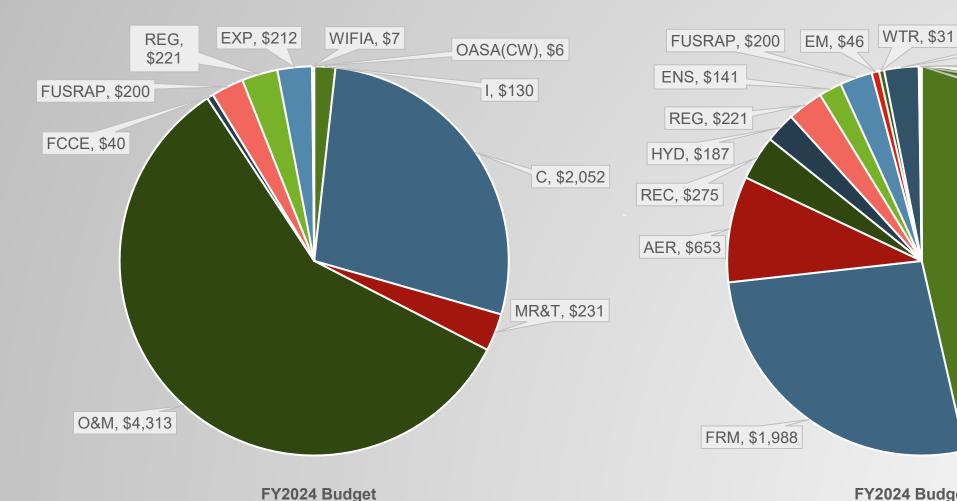
WIFIA, \$7

NAV, \$3,441

OASA(CW), \$6



FY24 CIVIL WORKS PROGRAM SUMMARY



By Account (\$ Millions)

FY2024 Budget
By Business Line/Funding Category
(\$ Millions)

EXP, \$212



SUPPLEMENTAL PROGRAM OVERVIEW



Katrina (aka HSDRRS): \$14.5B (multiple laws starting in 2005); Managed by MVD

Disaster Relief Appropriations Act, 2013 (Sandy): \$5.1B (signed into law 29 Jan 2013); Managed by NAD

Bipartisan Budget Act of 2018: \$17.4B (signed into law 9 Feb 2018)

Disaster Relief Act of 2019: \$3.25B (signed into law 6 Jun 2019)

Disaster Relief Supplemental Approps Act, 2022: \$5.7B (signed into law 30 Sep 2021)

Bipartisan Infrastructure Law (BIL), 2022: \$17.1B (signed into law 15 Nov 2021)



Total Supplemental Program - ~\$44.93 Billion









our interactive project map



PARTNERSHIPS BUILDING AND SUSTAINING STRATEGIC RELATIONSHIPS

One Mission – One Team:

The quality of our relationships drive performance outcomes





Key Principles:

- ✓ Partnering requires enduring leadership commitment and active involvement
- ✓ A "partnering mindset" is needed to achieve successful partnering outcomes
- ✓ Partnering is continual and should be incorporated into all activities, interactions, and phases of delivery
- ✓ Each relationship is unique and should be treated as such



CLIMATE RESILIENCE IN USACE PROJECTS

US Army Corps of Engineers®

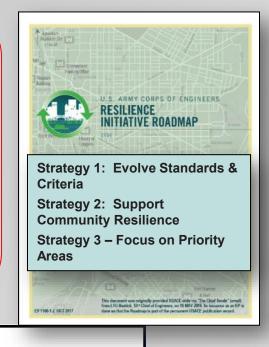
USACE RESILIENCE INITIATIVE

USACE Approach to Resilience

 USACE applies resilience thinking through four principles that spring from our definition of resilience:

> "the ability to anticipate, **prepare** for, and adapt to changing conditions and withstand, respond to, and recover rapidly from disruptions."

• The PARA principles frame & guide actions that build resilience throughout the considered lifecycle.



Comprehensive inventory of **USACE** resilience activities, guidance documents, tools, and methods

Implementation of Resilience Principles (ECB 2020-6)



h. Engineering and Construction Bulletin (ECB) 2019-8, Managed Overtopping of Le

pare, Absorb, Recover and Adapt (PARA) - to Engineering & Construction (E&C

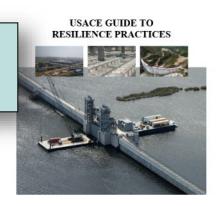
a. The USACE Resilience Initiative was initiated in 2015 to address an increasing for silience internally and with portners and stakeholders. The Initiative was established to or

articulate (1) how USACE's actions, projects, and/or systems support community resilience,

Applicability. This ECB applies to the Military Programs, Civil Works, and

in Annual Maximum Discharges, 28 Apr 17

USACE Guide to Resilience **Practices (EP 1100-1-5)**





Policy: "The E&C CoP and sub-CoPs will reflect resilience thinking in their practices and in new and updated standards and criteria."



DEFINING RESILIENCE

Canada a surface of Narth Atlantia Divisi

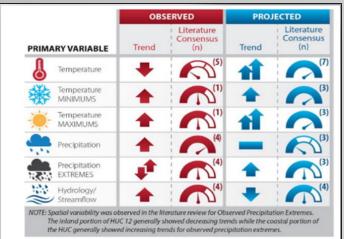
Time



CLIMATE RESILIENCE IN USACE PROJECTS

US Army Corps of Engineers® U.S. ARMY

Climate Science Resources



TREND SCALE

= Large Increase = Small Increase = No Change = Variable ■= Large Decrease ■ = Small Decrease N= No Literature

LITERATURE CONSENSUS SCALE

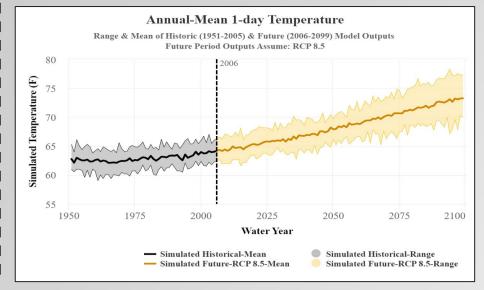
= All literature report similar trend

= Low consensus

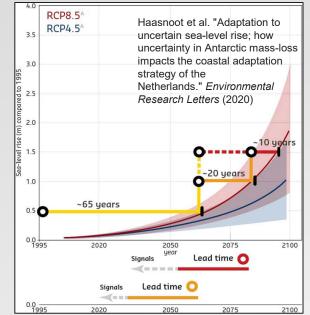
← Majority report similar trends (n) = number of relevant literature str No peer-reviewed literature available for review

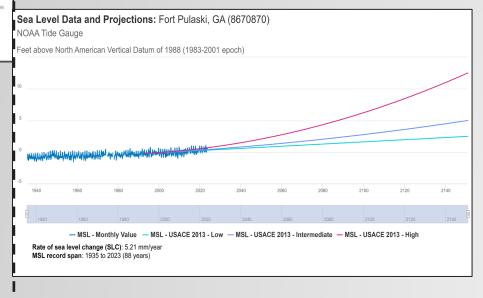


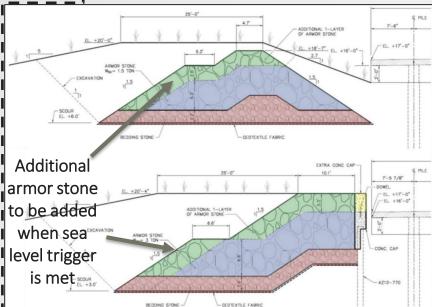
Climate Tools



Adaptation Planning Approach









Listen to learn more about our programs and projects!



A podcast that goes behind castle doors to have real conversations with real people about solving the nation's toughest challenges.

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

Episodes of Interest:

- Spotlight on the Water Resources Development Act
- Interview with Assistant Secretary of the Army for Civil Works
- Environmental Infrastructure
- USACE Budget Process
- Corps Water Infrastructure Financing Program

- Interview with Chief of Engineers
- USACE Supplemental Program Overview
- Aging Infrastructure
- Overview of USACE Operations Division