2019 CIFA Water Infrastructure Investment Summit

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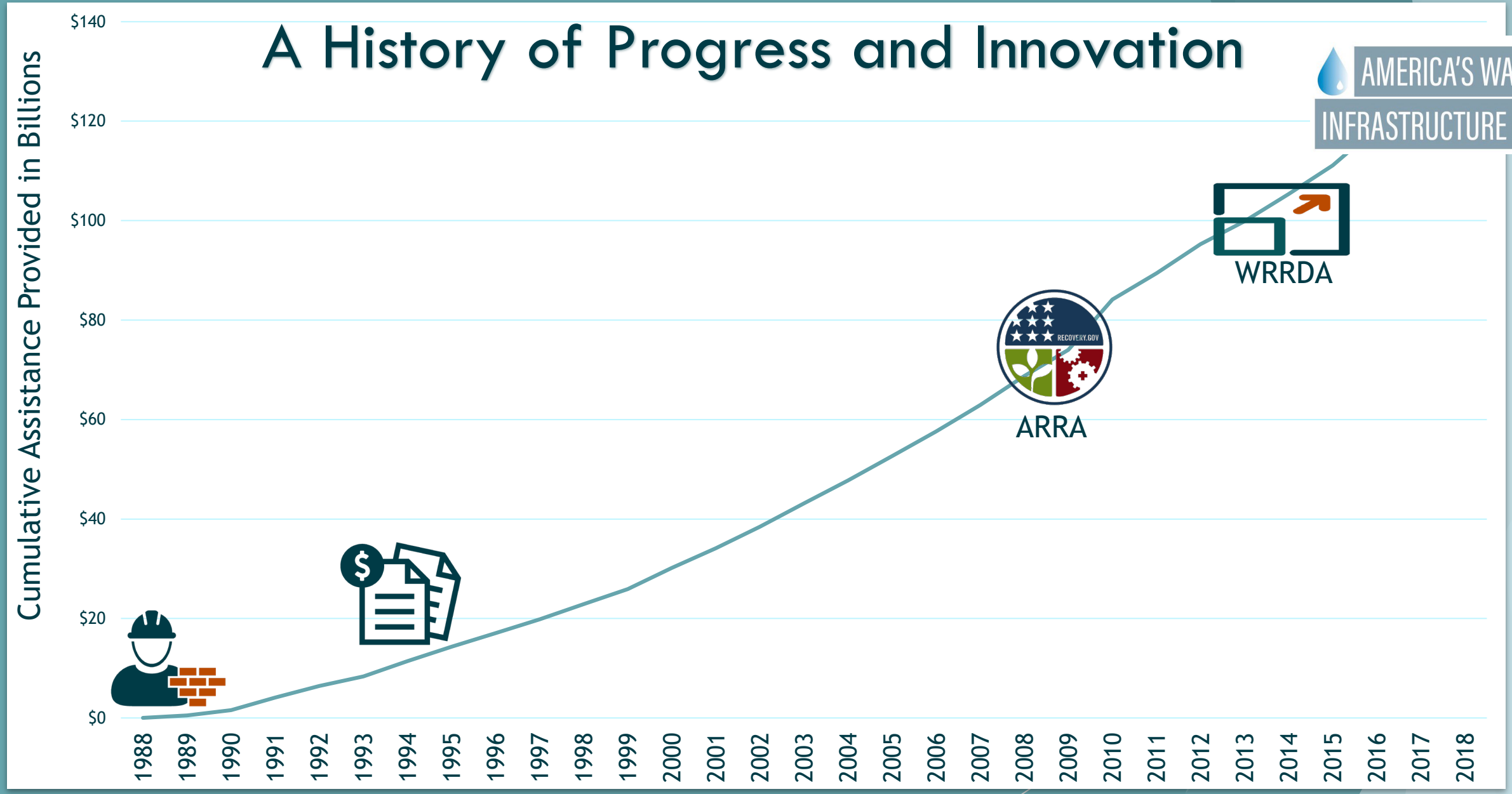
Office of Wastewater Management
Washington, DC April 24, 2019

Clean Water
State Revolving Fund

EPA

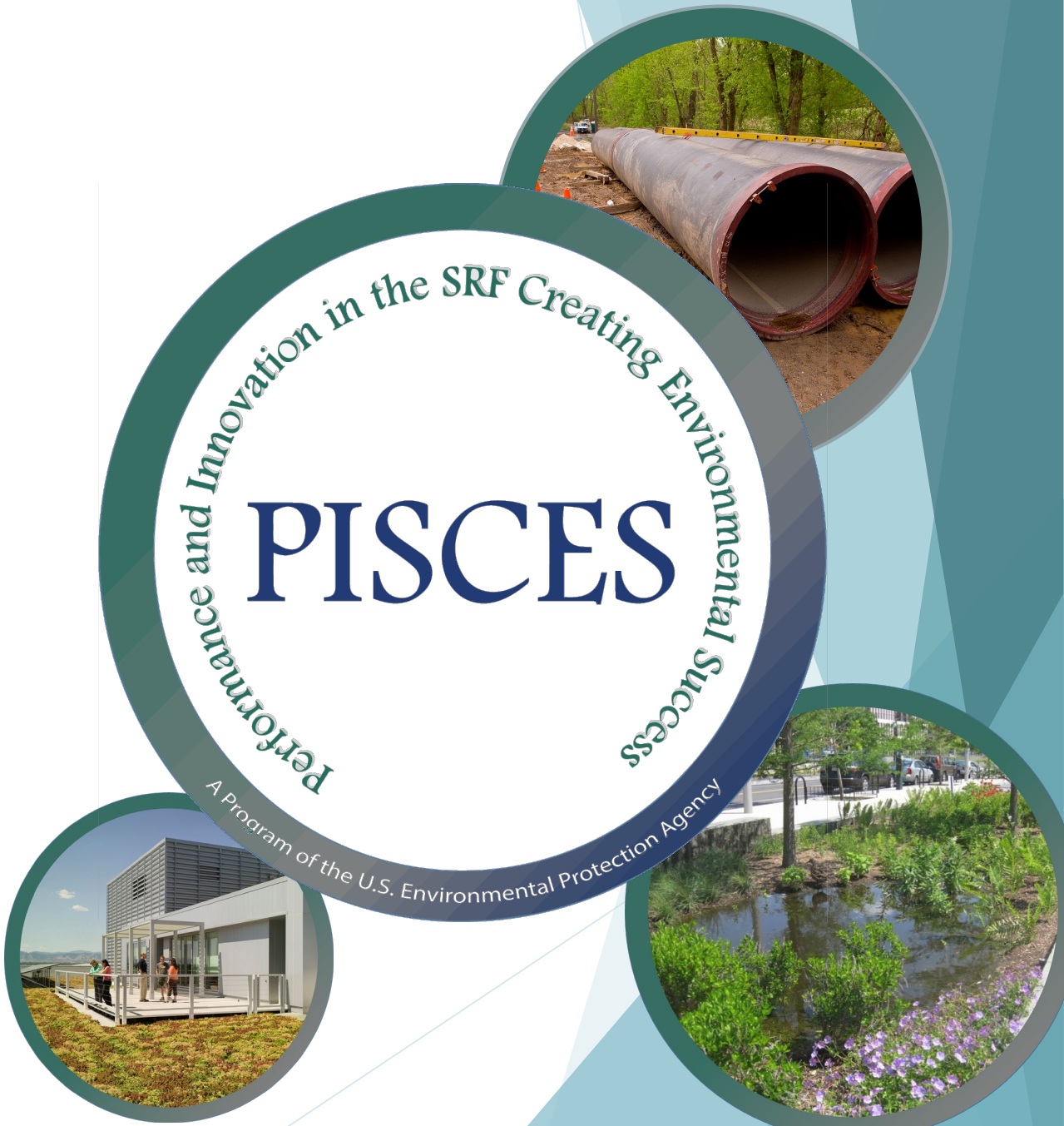
A History of Progress and Innovation



CWSRF At-A-Glance

Performance Highlights:

- Cumulative funding: $133 billion
- Average annual funding (2015 to 2018): $7.3 billion
- Projects serving populations greater than 100,000: $57.9 billion
- Centralized treatment and conveyance: $110.1 billion
- CSO correction: $14.5 billion
- 2018 CWSRF average interest rate: 1.5%
- Additional subsidization: $4.8 billion



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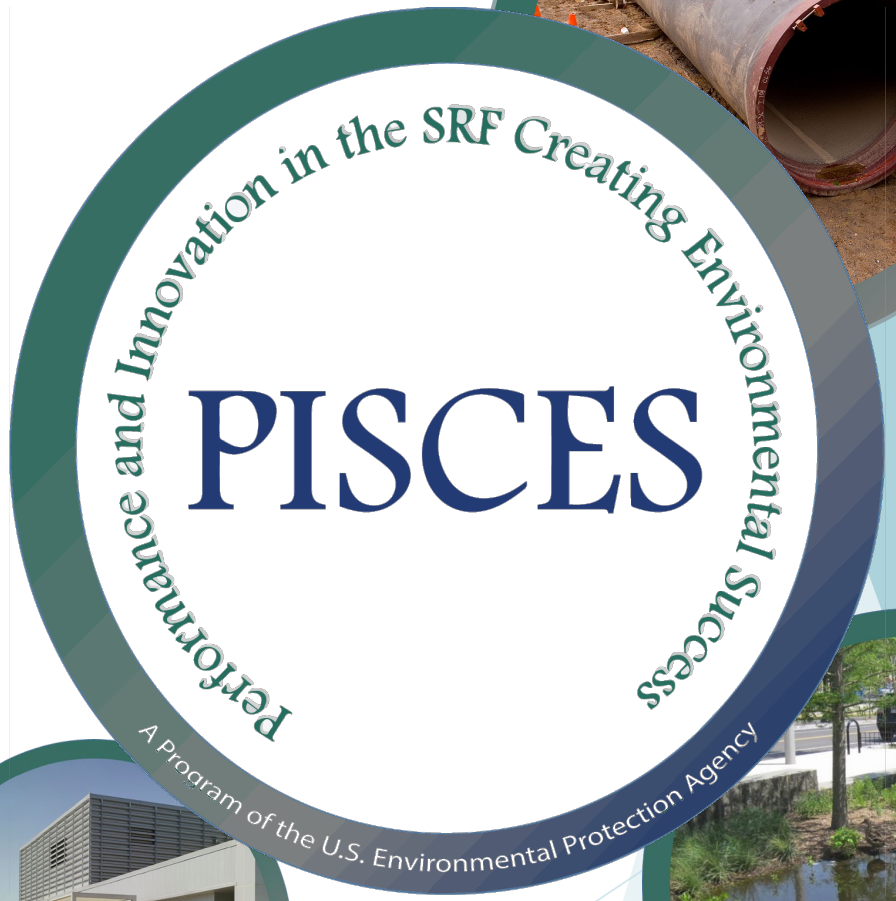
CWSRF At-A-Glance

Projected Environmental Benefits:

- $62.5 billion to improve water quality
- $36.6 billion to maintain water quality
- $40.4 billion to achieve compliance
- $70 billion to protect and restore recreational water bodies
- $12.6 billion to protect and restore drinking water sources
- $25 billion to protect and restore fish and shellfish habitat



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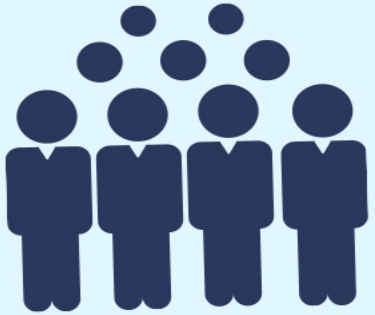
EPA'S WIFIA LOAN PROGRAM

Since 2018, the Water Infrastructure Finance and Innovation Act (WIFIA) program issued 8 loans, accelerating investment in our nation's infrastructure and better protecting human health and the environment:

$2 BILLION IN WIFIA FINANCING

SUPPORTS $4 BILLION IN INFRASTRUCTURE INVESTMENT

CREATES 6,200 JOBS



IMPACTS 13 MILLION PEOPLE

NOTICE OF FUNDING AVAILABILITY

WIFIA

EPA has approximately $6 billion to lend in FY 2019

- Letters of Interest deadline is July 5

2019 Priorities

- Readiness to proceed toward development
- Provide for clean and safe drinking water, including lead and emergent contaminants
- Repair, rehabilitate, and replace aging infrastructure and conveyance systems
- New or innovative approaches, including water reuse and recycling

Upcoming Outreach

- Webinars: April 17, 30
- In-person information sessions: Atlanta (May 8), Washington, DC (May 13), and Phoenix (May 23)
- Registration is at https://www.epa.gov/wifia/wifia-resources#informationanchor

SRF WIFIA - SWIFIA

Three key areas for SRF WIFIA (SWIFIA) Working Group:

- Options for awarding the potential "WIFIA subsidy appropriation" among the applicants (i.e. competitive; first come, first serve; prorated or equal distribution)
- Desired application process and timelines to closing
- Identifying credit and security terms that would be attractive to SRF programs and allowable under WIFIA statutory requirements

WATER INFRASTRUCTURE AND RESILIENCY FINANCE CENTER

EPA's Water Finance Center helps local leaders make informed **drinking water**, **wastewater**, and **stormwater** infrastructure decisions.

Research Advise Innovate Network

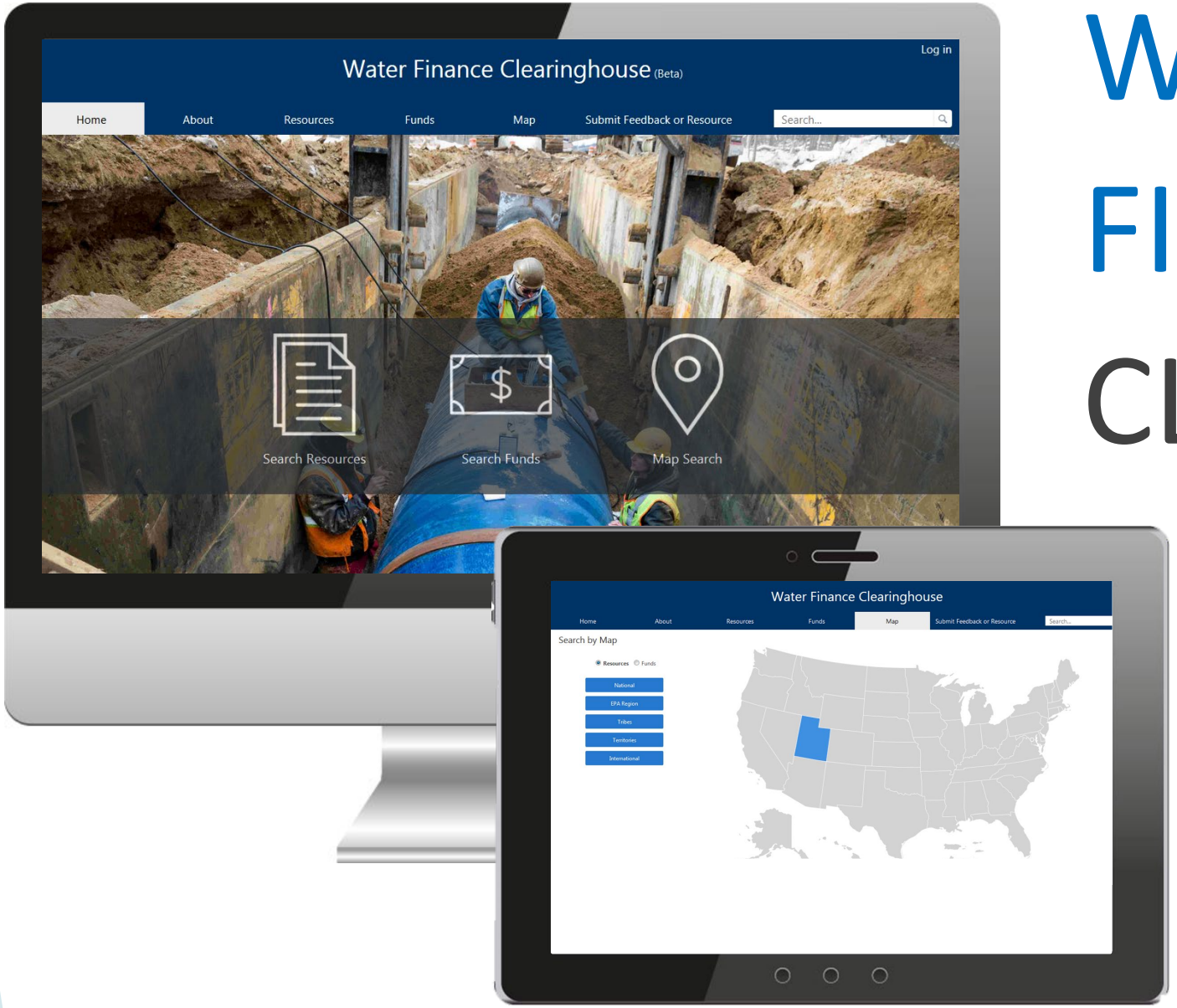
https://www.epa.gov/waterfinancecenter

Environmental Financial Advisory Board (EFAB)

STORMWATER INFRASTRUCTURE FINANCE WORKGROUP

The Stormwater Infrastructure Finance Workgroup will provide recommendations to the EPA in the following areas:

1) Identify how funding for stormwater infrastructure from such sources has been made available, and utilized, in each state to address stormwater infrastructure needs;
2) Identify how the source of funding affects the affordability of the infrastructure, including consideration of the costs associated with financing the infrastructure;
3) Evaluate whether such sources of funding are sufficient to support capital expenditures and long-term operation and maintenance costs



WATER FINANCE CLEARINGHOUSE

Meeting the Needs of Key Stakeholders

The Water Finance Clearinghouse is an **easily navigable web-based portal** that helps communities locate **information** and **resources** for all things water finance.

Also developing SRF, WIFIA, Watershed Financing, Stormwater & Septic learning modules

www.epa.gov/wfc

septicsmart™

U.S. Environmental Protection Agency

www.epa.gov/septicsmart

EPA's Decentralized Wastewater Program

- Technical assistance to Decentralized owners nationally
- National accounting effort with Census
- SRFs support to NGOs
- Decentralized MOU Partnership Priority on Funding/ Financing of Decentralized Systems
- CWSRF "How to Get to Yes" Guidance for Decentralized Systems
- SepticSmart Week

CWSRF Goals

- Protecting Our Investment in Public Water Infrastructure
- Reducing Nutrient Pollution
- Expanding Water Reuse/Conservation
- Increasing System Resiliency and Disaster Preparedness
- Technology, Renewable Energy and Energy Efficiency

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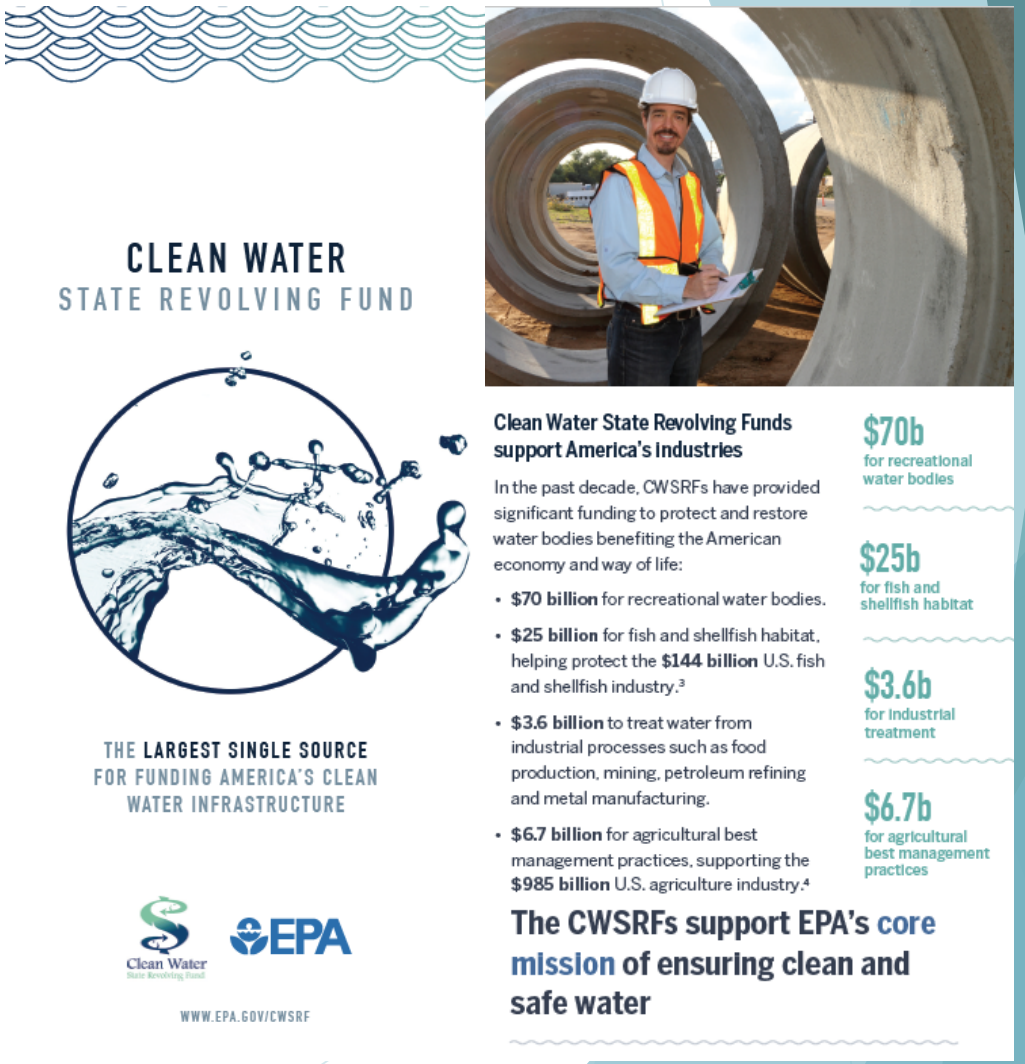
CWSRF Goals

Protecting Our Investment in Public Water Infrastructure

- Marketing and Outreach Initiative
  - Marketing Template
  - CWSRF Focus Groups
  - Strategic Partnerships
- Leveraging Opportunities
  - Issuing Municipal Bonds
  - Co-funding with Other Funding Programs
- Addressing Limited Affordability
  - Below Market Interest Rates & Additional Subsidization
- Clean Water Needs Survey
- Workforce Development



CLEAN WATER
STATE REVOLVING FUND

THE LARGEST SINGLE SOURCE FOR FUNDING AMERICA'S CLEAN WATER INFRASTRUCTURE

Clean Water State Revolving Fund
EPA

WWW.EPA.GOV/CWSRF

Clean Water State Revolving Funds support America's Industries

In the past decade, CWSRFs have provided significant funding to protect and restore water bodies benefiting the American economy and way of life:

- **$70 billion** for recreational water bodies.
- **$25 billion** for fish and shellfish habitat, helping protect the **$144 billion** U.S. fish and shellfish industry.[3]
- **$3.6 billion** to treat water from industrial processes such as food production, mining, petroleum refining and metal manufacturing.
- **$6.7 billion** for agricultural best management practices, supporting the **$985 billion** U.S. agriculture industry.[4]

The CWSRFs support EPA's core mission of ensuring clean and safe water

$70b for recreational water bodies

$25b for fish and shellfish habitat

$3.6b for industrial treatment

$6.7b for agricultural best management practices

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CWSRF Goals

Reducing Nutrient Pollution

- Broad Eligibilities
- Innovative Technologies and Financing Mechanisms
- Promoting Collaborative Approaches
  - Watershed Finance Partnership Bulletin
- Developing Partnerships
  - Section 319 NPS and 320 NEP Programs
- Technical Assistance to States
- Trading Opportunities

Boxelder Sanitation District- Colorado Biological Nutrient Removal Project

Ag BMPs at Leuthold Farm- Minnesota

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CWSRF Goals

Expanding Water Reuse/Conservation

- Water shortages continue to impact communities
- Eligible projects include:
  - Installation and replacement of water meters and water efficient appliances/irrigation equipment
  - Plumbing fixtures and retrofit replacements
  - Direct potable reuse
  - Agency reuse action plan
- Possible CWSRF incentives:
  - Additional priority points
  - Funding incentives

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CWSRF Goals

Increasing System Resiliency and Disaster Preparedness

- Increasing resiliency to manmade and natural disasters
- CWSRF funding can help:
  - Prevent interruption of collection system operation in the event of a flood or natural disaster
  - Prevent floodwaters from entering a treatment works
  - Maintain the operation of a treatment works and the integrity of the treatment train in the event of a flood or natural disaster
  - Preserve and protect treatment works equipment in the event of a flood or natural disaster

Mobile Pump Stations at South Monmouth Regional Sewerage Authority- New Jersey

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CWSRF Goals

Technology, Renewable Energy and Energy Efficiency

- Technology investments – predictive analytics, sensors, DDSs, can reduce need for some investments and improve operation and decision making
- Renewable energy and energy efficiency projects reduce costs and improve air and water quality
- Eligible projects include:
  - Installation of energy efficient equipment and components
  - Onsite renewable energy
  - Methane capture and energy conversion equipment
  - Resource recovery

City of Fruitland Wastewater System Consolidation- Boise, Idaho
***$300,000 in annual savings from energy efficiency improvements**

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www.epa.gov/cwsrf