



INFRASTRUCTURE INVESTMENT AND JOBS ACT: PARK FUNDING SOURCES

MODERATOR



Julie Waterman
Advocacy Director
City Parks Alliance
jwaterman@cityparksalliance.org



Mayor Jim Strickland
City of Memphis, Tennessee
mayor@memphistn.gov



Alison Souders
Financial Analyst
Environmental Protection Agency
souders.alison@epa.gov



Camille Crain
HMA Deputy Division Director (A)
FEMA HQ
www.fema.gov/bric

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FEMA's Hazard Mitigation Assistance Programs

Camille Crain | January 19, 2022



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HMA Program Overview

Disaster Cycle Grant Programs



Public Assistance (PA) 406 Mitigation
Supports communities' recovery from major disasters by providing mitigation funding opportunities to restore and strengthen public infrastructure. HMA works to enhance coordination with PA.



Hazard Mitigation Grant Program (HMGP)
Implements long-term hazard mitigation measures after a major disaster declaration



HMGP Post-Fire
Helps communities implement hazard mitigation measures after wildfire disasters

Annual Cycle Grant Programs



Flood Mitigation Assistance (FMA)
Reduces or eliminates the risk of repetitive flood damage to buildings and structures insured under the National Flood Insurance Program (NFIP)



Building Resilient Infrastructure and Communities (BRIC)
Supports the undertaking of new and innovative projects reducing the risks faced from disasters and natural hazards



Pre-Disaster Mitigation (PDM)
Replaced by BRIC and funded pre-disaster hazard mitigation activities awarded in FY19 and earlier



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Infrastructure Investment and Jobs Act (IIJA) Increases HMA Funding

- **IIJA signed into law on November 15, 2021**
- **Provides \$6.8 billion that FEMA will invest in community-wide mitigation to reduce disaster suffering and avoid future disaster costs, including \$5 billion for Hazard Mitigation Assistance**

Building Resilient Infrastructure and Communities (BRIC)

- Provides \$1 billion over five years, or \$200 million per year for FY 22–26
- This is in addition to the funding FEMA provides through setting aside up to 6% of the assistance the agency provides following major disaster declarations

Flood Mitigation Assistance (FMA)

- Provides \$3.5 billion over five years, or \$700 million per year for FY 22–26
- The Act more than triples the amount available for future flood mitigation

Hazard Mitigation Assistance Program (HMGP)

- \$3.46 billion was made available nationwide this year for HMGP through COVID-19 disaster declarations



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BRIC's Guiding Principles



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Support Community
Capability & Capacity Building



Encourage and Enable
Innovation



Promote Partnerships



Enable Large Infrastructure
Projects



Maintain Flexibility



Provide Consistency



BRIC FY 2021 Priorities

- Mitigate the risk to public infrastructure
- Incentivize resilient investments in disadvantaged communities, as referenced in Executive Order 14008 (Tackling the Climate Crisis at Home and Abroad)
- Mitigate risk to one or more community lifelines
- Incorporate nature-based solutions
- Enhance climate resilience and adaptation
- Incentivize the adoption and enforcement of the latest published editions of building codes

BRIC encourages mitigation projects that meet multiple program priorities

BRIC Funding Available in FY 2021



\$1 Billion

- **State/Territory Allocation: \$56 million** (up to \$1 million per Applicant)
 - All 50 states, the District of Columbia, and U.S. territories may apply under the State/Territory Allocation
 - Any funds not awarded from the State/Territory Allocation will be re-allocated to the national competition
- **Tribal Set-Aside: \$25 million**
 - All Indian tribal governments (federally recognized) may apply under the Tribal Set-Aside
 - Any funds not awarded from the Tribal Set-Aside will be re-allocated to the non-financial Direct Technical Assistance for tribes or the national competition
- **National Competition for Mitigation Projects: \$919 million** (estimated)



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Project Example: Lumberton Loop, Lumberton, NC



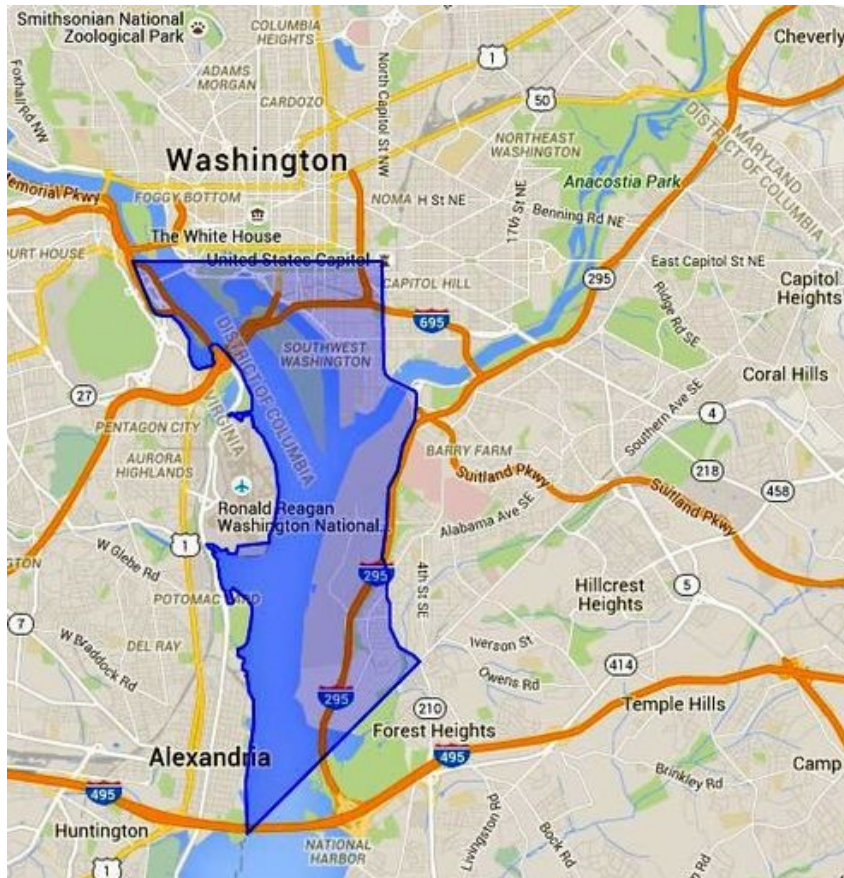
Partners: City of Lumberton, the NC State University Coastal Dynamics Design Lab, The Conservation Fund, resident stakeholders, and numerous affiliates at the North Carolina Office of Recovery and Resiliency, the North Carolina Department of Transportation, North Carolina State Parks, and the Lumber River Conservancy

Issue: The City of Lumberton experiences flooding during hurricanes and other large rain events - Hurricanes Matthew and Florence caused extensive damage.

Project Benefits:

- **Nature-Based Infrastructure:** Connects over 100 parcels and develops 800-acre trail system.
- **Improves Environment:** Restores stream channels, constructs wetlands, reforests floodplains, improves water quality.
- **Improves Human Condition:** Develops multi-modal paths to reduce future flood losses and enhances the equity of park space to disadvantaged populations.

Project Example: Blue/Green Stormwater Flood Mitigation, Southwest Washington, DC



- **Issue:** DC stormwater issues result in localized structural damages, impacts to critical facilities -- such as a police station serving over 100,000 people. Roadway is often blocked.
- **Demographics:** 75% Black community
- **Benefits:**
 - Parks and public amenities are enhanced for community and to collect water
 - New greenway corridor developed; beautify community
 - Local reduction of heat and heat island effect
 - Positive environmental impacts of absorbing water and preventing flow to Chesapeake Bay



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How to Apply for BRIC

- Eligible Applicants must apply for funding using FEMA Grants Outcomes (FEMA GO) at the [FEMA GO Portal](#)
- Visit [FEMA Grants Outcomes \(FEMA GO\) for Hazard Mitigation Assistance Grants](#) to view the technical user manuals and support materials

Application Deadlines

- The Application period opened on September 30, 2021
- Applications must be received in FEMA GO by January 28, 2022, at 3:00 PM Eastern Time (ET)

Technical Assistance

- Applicants experiencing technical problems outside of their control must notify FEMA by 3:00 PM ET on January 26, 2022



FEMA

Thank you
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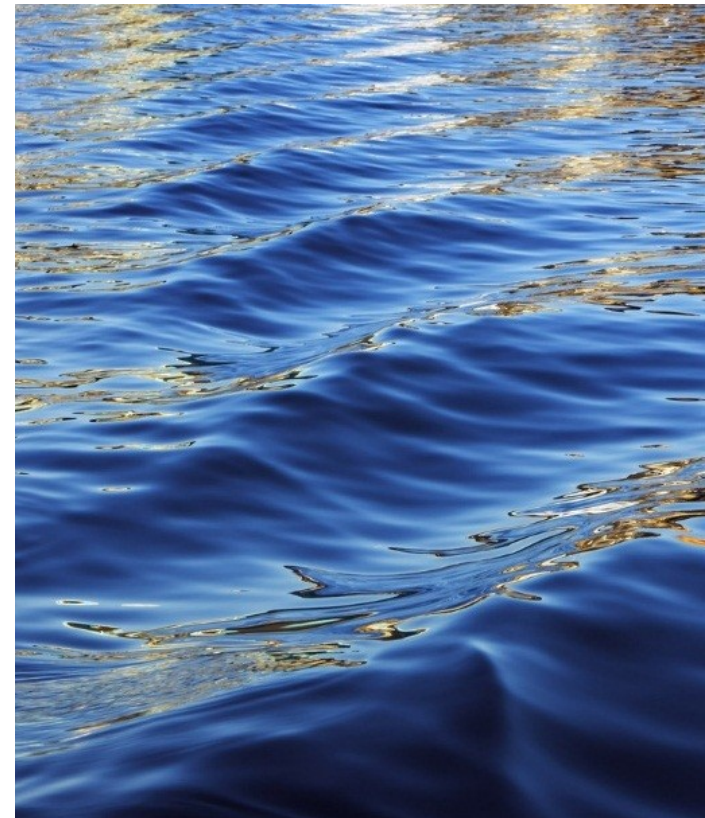
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EPA's Clean Water State Revolving Fund

A low-cost financing source for water quality improvement projects at parks

Alison Souders / souders.alison@epa.gov
January 19, 2022



EPA's Clean Water State Revolving Fund

51 state-level
infrastructure “banks”
that make loans for
water quality projects

- EPA funds state CWSRFs each year with 20% state match



- All 50 states and Puerto Rico have CWSRF programs

- Apply for financing through state CWSRFs



Terms: Up to 30 years

or useful life of the project, whichever is less



Below-market rates: 1.2% average interest rate in 2020 (compared to market rate 2.7%)



May also include additional subsidies (e.g., loan forgiveness and grants)

Repayment starts one year after project completion



CWSRF Assistance Options

- At or below market interest rate loans that may not exceed 30 years or the useful life of the project
- Buy or refinance local debt
- Guarantee or purchase of insurance for local debt obligations
- Guarantee SRF debt obligations (leveraging)
- Guarantee loans of “sub-state revolving funds”
- Pay SRF administrative expenses
- Earn interest
- Additional subsidization



Financial Benefits of CWSRF Funding

- Coverage of up to 100 percent of project costs;
- Below-market rate loans down to zero percent;
- Provide match for grants that support eligible projects;
- Repayment starts one year after project completion;
- Deferred payments of principal and/or interest;
- Terms up to 30 years and extended term financing options that reduce annual interest payments;
- Dedicated revenues for loan repayments that can come from any source;
- Access to co-financing opportunities;
- Credit enhancements that lower the cost of borrowing for less than AAA green debt obligations; and
- Access to affordable assistance for technical assistance, project development, and planning



Flexible Repayment Options

- Identifying a repayment source can be challenging for some borrowers:
 - Usage based wastewater bill charges
 - Stormwater district fees
 - Non-profit membership fees
 - Homeowner fees
 - For profit company revenue
 - Property tax revenue
 - Park fees
 - Etc.



Cocoa Beach, Florida Minuteman Causeway GI Project

Who is eligible?

(eligibility varies by state and project type)



Communities



Private Entities



**Nonprofit
Organizations**



**Citizen
Groups**

Bipartisan Infrastructure Law (BIL)

- Significant federal funding for water and wastewater infrastructure funding FY22-FY26 (5-year total)
 - CWSRF General Supplemental
 - **\$11,713,000,000**
 - CWSRF Emerging Contaminants Supplemental
 - **\$1,000,000**
 - **All eligibilities in place**

BIL Opportunities

- **49%** of BIL funds must go out as additional subsidization (e.g., principal forgiveness, grants)
- **Opportunity for states to target assistance to priority issues**

What Projects are Eligible for CWSRF Assistance?



Squalicum Creek, Washington Stream Re-Route, Washington

Clean Water Act

- 603(c)(1) Construction of publicly owned treatment works (POTW)
- 603(c)(2) Implementation of a nonpoint source management program
- 603(c)(3) Implementation of a national estuary program CCMP
- 603(c)(4) Decentralized systems
- **603(c)(5) Stormwater management**
- 603(c)(6) Projects that reduce the demand for POTW capacity through water conservation, efficiency, and reuse
- 603(c)(7) Watershed pilot projects
- 603(c)(8) Projects that reduce the energy consumption needs for POTWs
- 603(c)(9) Reuse of wastewater, stormwater, or subsurface drainage water
- 603(c)(10) Security measures at POTWs
- 603(c)(11) Technical assistance to small and medium POTWs
- 603(c)(12) Assistance to a qualified nonprofit entity to provide assistance to an eligible individual for the repair or replacement of household decentralized treatment systems

Project Categories

- Wastewater Treatment Plant Repair and Upgrade
- Decentralized Wastewater Treatment
- Groundwater Protection
- Surface Water Protection
- Green Infrastructure
- Contaminated Sites Clean Up & Conversion
- Planning/Assessments and Monitoring
- Land Conservation
- Habitat Restoration
- Stormwater
- Water Conservation & Reuse
- And more!

A full listing of CWSRF eligibilities including examples of eligible projects can be found in the “Overview of Clean Water State Revolving Fund Eligibilities,” which can be downloaded from our website at: <https://www.epa.gov/cwsrf/overview-clean-water-state-revolving-fund-eligibilities>

CWSRF for Green Infrastructure

Assistance may be provided to any borrower for projects that manage, reduce, treat, or recapture stormwater or subsurface drainage water...

- Green roofs, green streets, and green walls
- Rainwater harvesting collection, storage, management, and distribution systems
- Real-time control systems for harvested rainwater
- Infiltration basins
- Constructed wetlands, including surface flow and subsurface flow (e.g., gravel) wetlands
- Land acquisition and conservation easements
- Bioretention/bioswales (e.g., rain gardens, tree boxes)
- Permeable pavement
- Wetland/riparian/shoreline creation, protection, and restoration
- Establishment/restoration of urban tree canopy
- Replacement of gray infrastructure with green infrastructure including purchase and demolition costs

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Delaware Department of National Resources and Environmental Control

Cape Henlopen State Park

- Over \$784,000 loan to the **DE Division of Parks and Recs** at **3.64% interest**
- State's busiest state park with estimated 1M visitors/year relies on its treatment plant to handle wastewater from its cabins, camp sites, beach bathhouses, signature fishing pier and other facilities
- Project fixed and relined over 6,200 feet of cracked sewer pipes leading to the park's wastewater treatment plant
- The plant now processes around 74,000 gallons of wastewater/month compared to more than 1 million gallons/month before the repairs
- Repaying the loan using park entry fees



Georgia Environmental Finance Authority Stormwater System Improvements Veteran Memorial Park and Golf Course

- **\$4M** loan to the **City of Griffin** at **1.94% interest**
- Culvert was creating sink holes throughout the Park and required special care to ensure that the stone memorials found around the Park could be repaired without any major disturbance
- Project completed using a “trenchless” technique
 - Eliminated safety issues with flooding
 - Saved the city over \$750,000 in construction costs since relocating monuments was not necessary
- Litter trap installed at a pond at the City’s golf course irrigation pond to remove debris
- Coordinated with the City’s Public Works Departments & Others
- Public meetings held throughout the process



Next Steps:

- Subscribe to the EPA SRF Newsletter [HERE](#) for updates
- Contact EPA CWSRF team: CWSRF@epa.gov
- Reach out to your state CWSRF program!
<https://www.epa.gov/cwsrf/forms/contact-us-about-clean-water-state-revolving-fund-cwsrf#state>
- Have a discussion on the financing options available to you

CWSRF Resources

Overview of CWSRF Eligibilities

<https://www.epa.gov/cwsrf/overview-clean-water-state-revolving-fund-eligibilities>

CWSRF Webinars

<https://www.epa.gov/cwsrf/cwsrf-webinars>

CWSRF Fact Sheets

<https://www.epa.gov/cwsrf/clean-water-state-revolving-fund-cwsrf-project-success-stories>

State CWSRF Websites and Contacts

<https://www.epa.gov/cwsrf/forms/contact-us-about-clean-water-state-revolving-fund-cwsrf#state>

Water Finance Learning Modules (SRF, DWSRF, WIFIA, etc.)
A 101 of each EPA water financing program is available.

<https://ofmpub.epa.gov/apex/wfc/f?p=165:9:8014844532819::NO:9::>

Thanks for joining us!



BECOME A MEMBER:
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