



# RESILIENT NEW JERSEY NORTHEASTERN NEW JERSEY

## Appendix C - Funding Opportunities

VERSION 2022.0



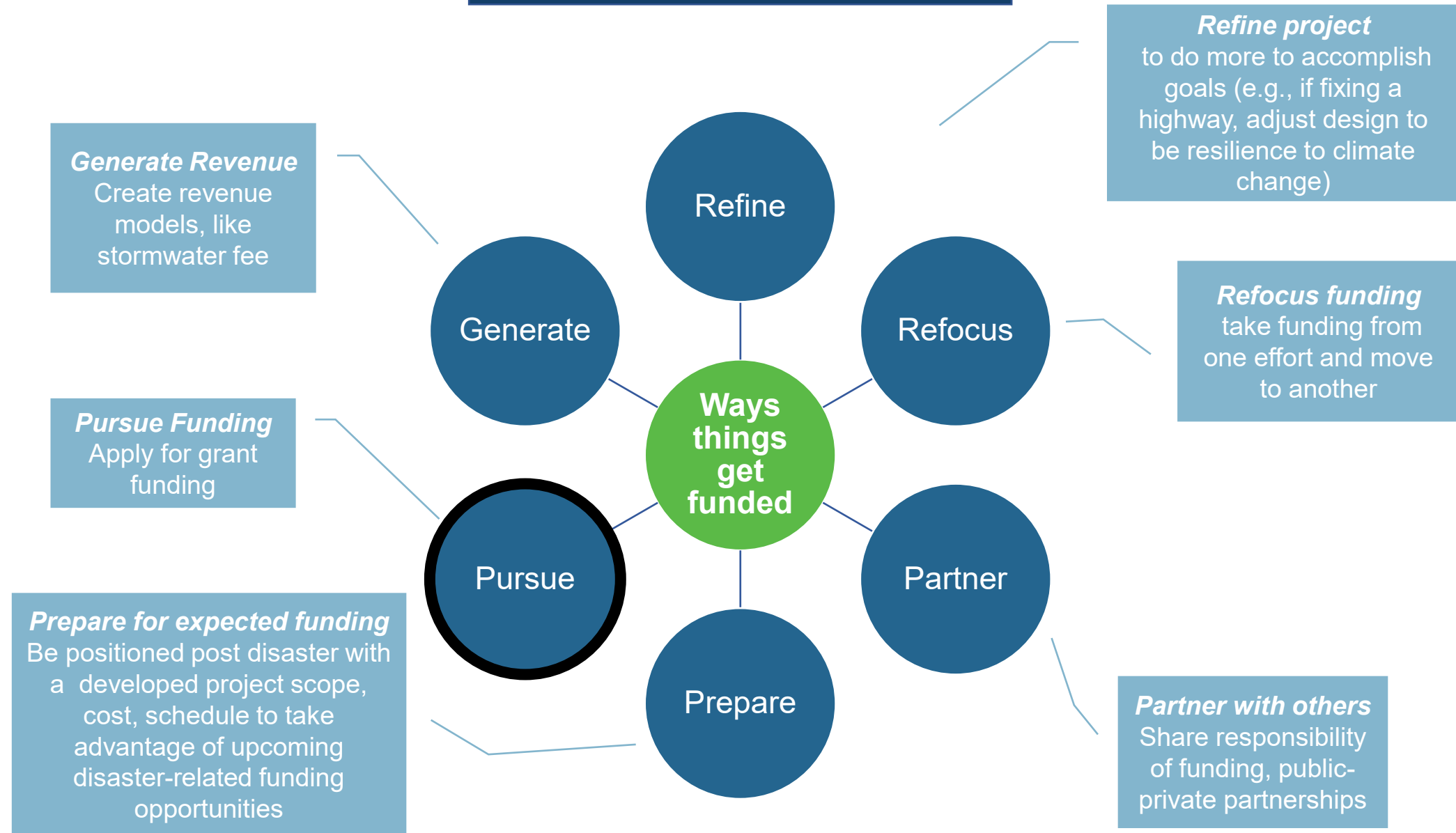
# CONTENTS

- Overview of ways to fund projects
- Likely sources of funding for different actions
- Potential matches for current projects

## ADDITIONAL ATTACHMENTS:

- APPENDIX C – FUNDING SUPPLEMENT (PDF)
  - *Grant and loan highlights by source and funding bucket*
  - *Detailed descriptions of various funding approaches*
- APPENDIX C – FUNDING OPPORTUNITIES (EXCEL FILE)

MAXIMIZE WHAT WE HAVE



SHARE FUNDING BURDEN

# OPPORTUNITIES FOR FUNDING

## Potential Funding Mechanisms & Partners

Funding is allocated from different public agencies and private foundations, in various forms

### Federal Agencies

- FEMA, HUD, USACE

### State Agencies

- NJDEP, I-Bank

### Lenders / Insurers

- Bond Issuers

### County Government

- Hudson County, Essex County

### Local Municipalities

- Newark, Hoboken, Jersey City, Bayonne

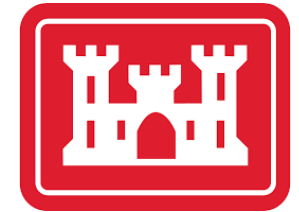
### NFP/NGO

- NJ American Water, Dodge Foundation

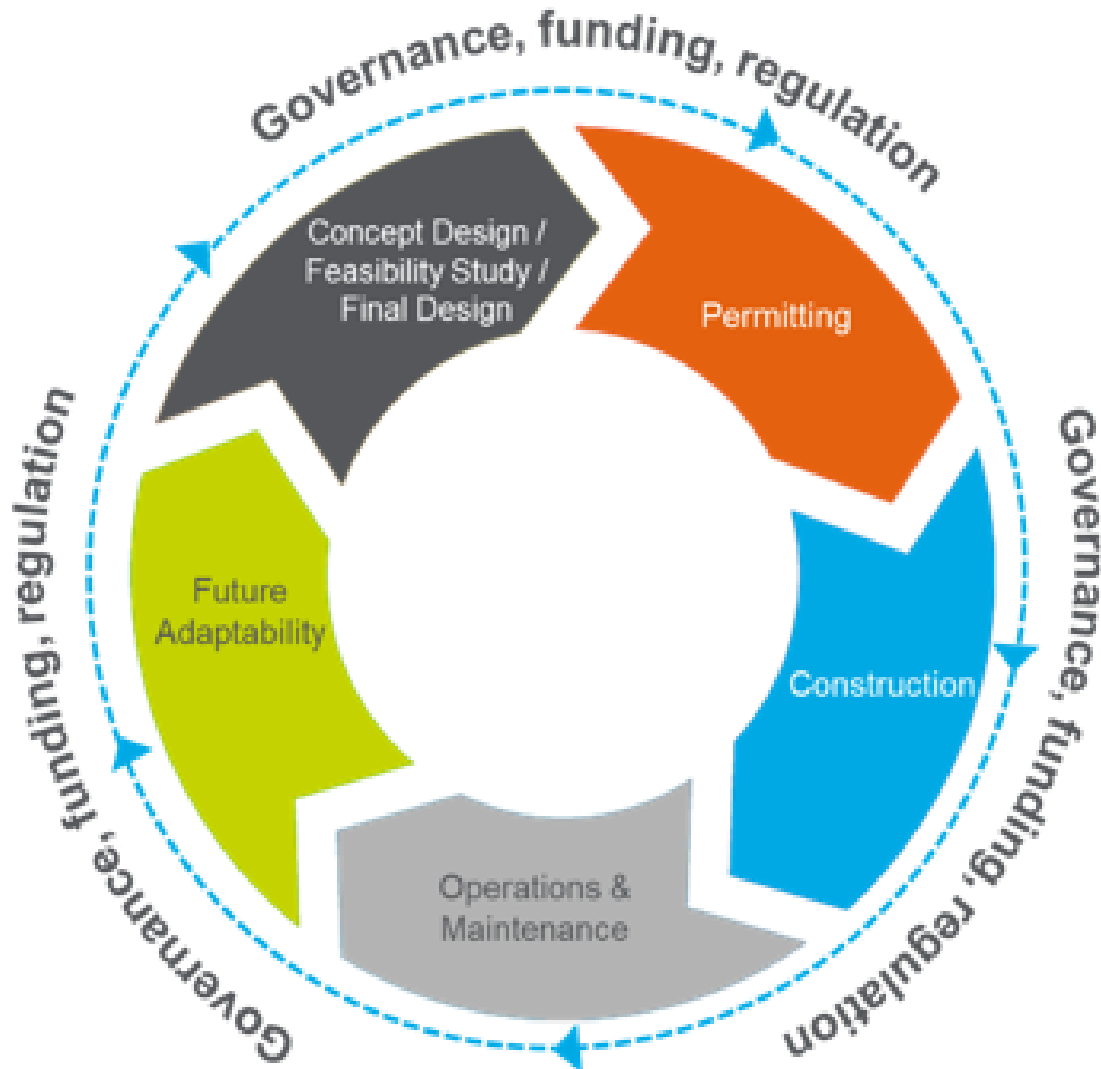
From those sources, multiple agencies manage and distribute funds



FEMA



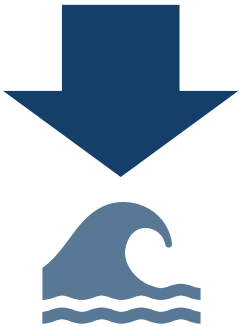
# PHASES OF PROJECT IMPLEMENTATION



- There are various funding sources for different phase of a project
- Some funding is available for feasibility study only, while others require a feasibility study to already be done and are for construction only
- Most grants don't cover long-term maintenance

# PHYSICAL FLOOD RISK FUNDING “BUCKETS”

## Coastal solutions



## Green infrastructure



## Drainage solutions

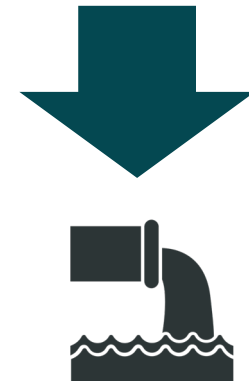


Image sources (left to right):

1. Jersey City Office of Sustainability, [jcmakeitgreen.org](http://jcmakeitgreen.org)
2. Queen Ditch Restoration Project, [NJ-AWRA](http://NJ-AWRA)
3. Rebuild by Design – Hudson River, Final Environmental Impact Statement, [Chapter 6: Alternatives Analysis](#)



# Physical Flood Risk Funding Buckets

Example project elements



## Coastal Solutions

- Floodwalls
- Berms & Levees
- Tide Gates
- Bulkheads
- Raising Land
- Hardening Infrastructure
- Raise Critical Systems
- Living Shorelines



## Green Infrastructure

- Stormwater Retention
- Bioswale
- Reduce impervious surfaces
- Green Roofs
- Rain Gardens
- Expand tree canopy
- Erosion Control
- Wetland Restoration



## Drainage Solutions

- Stormwater Infrastructure Upgrades
- Wastewater Infrastructure Upgrades
- Stream Daylighting
- Culvert Modification
- Increased Pump Station Capacity

# Physical Solutions

## Coastal Solutions

Target larger federal funding sources:

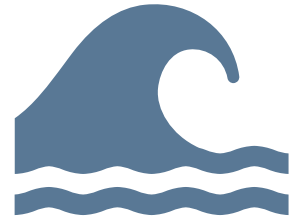
- ARPA
- Bipartisan Infrastructure Bill
- USACE
- FEMA HMGP, PA, BRIC
- HUD CDBG-DR



FEMA



May require multiple funding sources





# Physical Solutions

## Green Infrastructure

**Target larger federal funding sources as well as state funds.**

- SRF funding through I-Bank funds stormwater management projects
- SRF received significant additional funding through Bipartisan Infrastructure Bill
  - FEMA (focus on nature-based solutions)
  - EPA / NJ I-BANK (administer SRF)

PRESIDENT JOE BIDEN  
**BUILDING A  
BETTER AMERICA**  
BUILD.GOV



FEMA



**WIFIA**  
PROGRAM



# Physical Solutions

## Drainage Solutions

**Target larger federal funding sources as well as state funds.**

- American Rescue Plan Act – State and Local Fiscal Recovery Funds
- Bipartisan Infrastructure Bill
- SRF / New Jersey Infrastructure Bank
- U.S. Department of Transportation DOT (opportunities for multi-benefit projects)
- I-Bank New Jersey Water Infrastructure Investment Plan
- Water Infrastructure Finance and Innovation Act (WIFIA) loan
- American Rescue Plan Act Economic Adjustment Assistance Grant
- NJDEP



# NON-PHYSICAL SOLUTION FUNDING “BUCKETS”

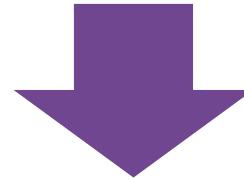
**Outreach,  
Education, &  
Capacity  
Building**



**Policy  
&  
Governance**



**Service &  
Program  
Development**



**Emergency  
Response &  
Preparedness**



# Non-Physical Solutions Funding Buckets

## Project types



### Outreach and Education and Capacity Building

- Training & Education
- Community Preparedness and Awareness
- Outreach
- Capacity Building
- Partnership Building



### Policy and Governance

- Resilient Development
- Building Code / Zoning Updates
  - Small-Scale GI
  - Stormwater Mgmt.
- Contaminated Site Resilience
- Infrastructure Coordination



### Service and Program Development

- GI
- Resilience Hubs
- Waste Reduction



### Emergency Response and Preparedness

- Early Warning Systems
- Shelter / Evacuation
- Emergency Response
- Flood Preparedness & Response
- Financial Assistance for Recovery

# Non-Physical Solutions

## Outreach and Education and Capacity Building

- Nourishing Newark Community Grants Program, City of Newark, Office of Sustainability
- Partners for Places Mini Grants, Funders Network (TNF) and Urban Sustainability Directors Network
- Partners for Places Grants, Funders Network (TNF) and Urban Sustainability Directors Network
- Community-Based Art Grant Program, NJDEP

Look for local partners and opportunities for private grants

Project planning and capacity building grants

# Non-Physical Solutions

## Policy and Governance

- FEMA Building Resilient Infrastructure & Communities (BRIC) Grant *(expected to open summer 2022)*
- NJEDA Brownfields Impact Fund
- NJDEPA / NJEDA Hazardous Discharge Site Remediation Fund (HDSRF)
- NJDEP New Jersey Clean Communities Grant
- USBR Water and Energy Efficiency Grants
- DOT RAISE (rebuilding American Infrastructure with Sustainability and Equity) Discretionary Grant (formerly Build Grant Program),
- DOE Energy Efficiency and Renewable Energy Grant
- DOE Grants for Energy Efficiency Improvements and Renewable Improvements at Public School Facilities
- Geraldine Dodge Foundation, Environmental Grants



FEMA



Look for local partners and opportunities for private grants

Project planning and capacity building grants

Work with State, municipal agencies



# Non-Physical Solutions

## Service and Program Development

- City of Newark, Office of Sustainability, Nourishing Newark Community Grants Program
- NJDEP New Jersey Clean Communities Grant
- NJEDA Garden State Commercial Property Assessed Clean Energy (C-PACE)
- Raritan River Rain Barrel Rebate Program, New Jersey Water Supply Authority
- Environmental Grant Program, New Jersey American Water
- NJDEP Green Acres Program Local Government and Nonprofit Assistance Land Acquisitions and Park Development
- Sustainable, Jersey, The College of New Jersey Sustainable Communities Grant Program
- I-Bank Water Infrastructure Investment Plan (WIIP) Grant (details forthcoming)
- IIJA Healthy Streets Program
- DOE Weatherization Assistance Grants
- DOE Energy Efficiency and Renewable Energy



FEMA



# Non-Physical Solutions

## Emergency Response and Preparedness

- FEMA Building Resilient Infrastructure & Communities (BRIC) Grant
- FEMA Swift Current Initiative
- FEMA Emergency Preparedness Grants
- NJDEP NJ Clean Construction Program
- Sustainable, Jersey, The College of New Jersey Sustainable Communities Grant Program



FEMA



# Additional Hazards

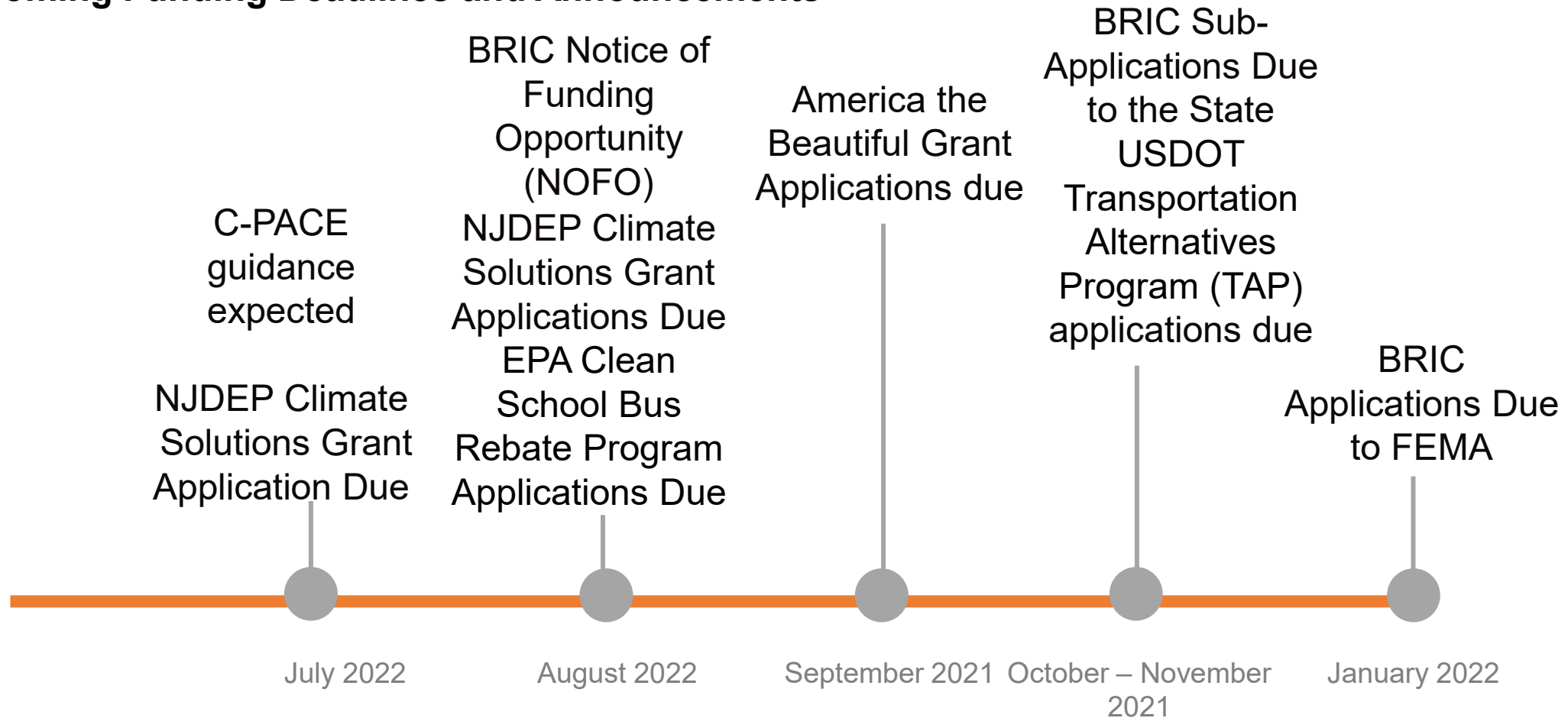
*Additional hazards beyond flooding can fall into these funding buckets*



**Example Funding  
Opportunities (see  
accompanying excel log)**

# TIMELINE

## Upcoming Funding Deadlines and Announcements



**I-BANK applications accepted on a rolling-basis**

**NOFOs continue to be released from Infrastructure Bill Funding**

# State Funding

Below is a sample of state funding applications:

## New Jersey Infrastructure Bank

- Independent State Financing Authority
- Low interest rate loans to finance water quality infrastructure projects
- Loans at 0% interest for approximately 20 years for up to one-half the allowable project costs.
- Loans at about the market rate or less for the remaining allowable project costs, also for a 20-year term
- Administer NJ's State Revolving Funds
- Applications accepted on a rolling basis

## NJDEP Blue Acres Buyout Program

- Buyout of properties heavily damaged by Ida
- \$50M in funding (FEMA HMGP + FEMA Swift Current) at market value
- All Blue Acres acquisitions must be from willing sellers
- Prioritizing homes that are now uninhabitable because they were either destroyed or severely damaged by Ida
- Governor's Disaster Recovery Office, NJOEM, DEP, and DCA are working jointly to identify homes
- Application open

## NJEDA Garden State Commercial Property Assessed Clean Energy (C-PACE)

- Financing of eligible commercial renewable energy, water efficiency projects in participating municipalities
- Pays for up-front costs of project and then repaid through real property assessment levied by participating municipality
- Eligible uses: energy efficiency improvement, renewable energy system, stormwater management system, electric vehicle charging infrastructure, flood resistant construction improvement, or hurricane resistant construction improvement
- Guidelines expected soon

## NJDEP Natural Climate Solutions Grant

- Offered through NJDEP, funded through Regional Greenhouse Gas Initiative
- \$15 M to fund on-the-ground implementation of projects that create, restore, and enhance New Jersey's natural carbon sinks, such as salt marshes, seagrass beds, forests, urban parks and woodlands, and street trees.
- \$250K - \$5M per project
- Increase carbon sequestration and provide significant co-benefits
- Due August 15, 2022

## NJDEP Community-Based Art Grant Program

- Grants for 5 community-based organizations (CBOs) to be paired with an artist team and then hosting / promoting art installations through the community they serve
- Purpose of grants is to increase public awareness of how individuals will be impacted by climate change and what they can do about it
- Due July 8, 2022

## NJDEPA/EDA Hazardous Discharge Site Remediation Fund (HDSRF)

- Loans or grants for remediation and /or cleanup of contaminated and underutilized sites
- Up to \$2M in loans for public entities per calendar year
- Up to \$3 million in grants to municipal, county and redevelopment authorities
- Up to an additional \$2M to public entities for remediation in a brownfield development area
- \$10M available annually for 75% of remedial action costs for recreation/ conservation and renewable energy and 50% of the costs for affordable housing projects
- Covers preliminary assessments, site investigation, remedial investigation and remedial action.
- Applications accepted on rolling basis



# Federal Funding

## EPA Clean School Bus Rebate Program

- Rebates for purchase of clean and zero-emission school buses
- \$500 M available
- Funding per applicant dependent on number of buses, fuel type, bus size, and other criteria
- **Due August 19, 2022**

## National Fish & Wildlife Foundation (NFWF) America the Beautiful Grant

- Goal is to connect and restore the lands, waters, and wildlife through cooperative agreements with other federal agencies
- Mitigate flooding and storm threats, and improve resilience to fire and drought
- State is eligible applicant for most categories - counties and municipalities encouraged to partner with state
- \$85 M total available, max \$5M grant
- **Due September 15, 2022**

## FEMA Building Resilient Infrastructure and Communities (BRIC)

- Apply through NJOEM
- Competitive grants of up to \$50 M for hazard mitigation projects, reducing the risks from disasters and natural hazards.
- **Application open in Fall 2022**

## EPA Brownfields Job Training Program, FY23

- \$12 M available
- Up to \$500K job training grant
- Recruit, train, and place unemployed and under-employed residents from communities impacted by brownfields
- Use for hazardous waste training, green remediation technologies, stormwater management training, emergency response training, enhanced environmental health & safety related to site remediation, energy efficiency and alternative energy technologies
- City, county, state, nonprofits, redevelopment agencies, colleges/universities eligible
- **Due August 2, 2022**

## USDOT Promoting Resilient Operations for Transformative, Efficient, and Cost-saving Transportation (PROTECT)

- Funded through IIJA
- \$7.3 M Formula funding to states (\$33 M for NJ) and \$1.4 B competitive grants (over 5 years) that local gov'ts can apply for
- Planning grants to assess vulnerability and plan emergency response strategies
- Competitive resilience improvement grants to make surface transportation assets more resilient to future weather and natural disasters
- Resilience improvements and strategies for rapid recovery of critical routes, protect coastal infrastructure at risk from SLR
- Natural infrastructures to protect and enhance surface transportation assets while improving ecosystem conditions

## FTA Pilot Program for Transit Orientated Development

- \$25.2 M available
- Funded through proportional set-aside of funds under bipartisan infrastructure bill
- Administered by NJDOT, in partnership with the NJTPA, the DVRPC and the SJTPO
- Transportation Alternatives Set-Aside (TA Set-Aside) program provides federal funds for community based "non-traditional" surface transportation projects
- TA St-Aside projects must relate to surface transportation.
- Can include:
  - Conversion and use of abandoned railroad corridors for trails for pedestrians, bicyclists, and other non-motorized transportation users.
  - Environmental mitigation to address stormwater management due to highway runoff.
- **Due November 3, 2022**



# Funding Source Deep Dive


# STATE AGENCIES FUNDING PROGRAMS

## NJDEP


- Shore Protection Grants and Loans
- Urban Park Grants
- Green Acres Program
- Blue Acre Buyout Program
- Clean Communities Grant
- Water Quality Restoration Grants, Nonpoint Source Pollution
- Environmental Infrastructure Financing Program
- Community-Based Art Grand Funding

## NJEDA


- Hazardous Discharge Site Remediation Fund (HDSRF) (with NJDEP)
- Brownfields Impact Fund




STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
GRANT & LOAN PROGRAMS




[DEP Home](#) | [About DEP](#) | [Index by Topic](#) | [Programs/Units](#) | [DEP Online](#)




**Air Quality, Energy and Sustainability**  
[It Pays to Plug In: NJ's Electric Vehicle Charging Grant Program](#)  
[NJ Clean Construction Program](#)




**Compliance and Enforcement**  
[County Environmental Health Act Grants \(CEHA\)](#)




**Climate and Flood Resilience**  
[Community-Based Art Grant Funding Opportunity](#)  
[Dam Restoration & Inland Water Projects Loan Program](#)  
[Shore Protection Grants & Loans](#)



**Watershed and Land Management**  
[Lakes Stormwater Management Grants](#)  
[Water Quality Restoration Grants \(HABs\)](#)



**Local Government Assistance**  
[Clean Communities Program Grants](#)



**Natural and Historic Resources**  
[Clean Vessel - Pump Out Facilities](#)  
[Community Firewise Grants](#)  
[Endangered Species - Conserve Wildlife Matching Grant](#)  
[Green Acres Local Assistance Grants & Loans](#)  
[Green Acres Nonprofit Acquisition Grants](#)  
[Historic Preservation Certified Local Government Grants](#)  
[National Recreational Trails Program](#)  
[Volunteer Fire Assistance Grants \(VFA\)](#)  
[Urban and Community Forestry Program](#)

**What's New**

[It Pays to Plug In: NJ's Electric Vehicle Charging Grant Program](#)

[Solid Waste Recycling Enhancement Act \(REA\) Higher Education Research Grant Program](#)

[Community Firewise Grants](#)

The New Jersey Department of Environmental Protection offers a wide variety of funding opportunities for local governments and other types of organizations to fund numerous environmentally based projects. The individual descriptions of the funding available provide a summary of the programs, eligible entities, application procedure and deadlines, and contact information as well as links to the applications (where available) and other pertinent information.

# NJDEP Natural Climate Solutions Grant

## Application Requirements Overview

The Natural Climate Solutions Grant program will fund on-the-ground implementation of projects that create, restore, and enhance New Jersey's natural carbon sinks, such as salt marshes, seagrass beds, forests, urban parks and woodlands, and street trees. \$15M in funding with \$250K - \$ 5M awarded per project

Application requirements:

- Submitted electronically through SAGE
- Detailed description of project implementation strategy, milestones, outputs and schedule
- Environmental and co-benefits to be achieved by the project
- Baseline data to assist in carbon sequestration assessments
- Complete project design documents
- Budget
- Letter(s) of resource commitment
- Proof of authority, access, and/or property rights to implement project
- Support Letter(s) from Community organizations
- Project Maps / GIS files / sketch or site plan / photos
- Any executed permits

**Deadline: August 15, 2022**



Project Scope Duration	Funding Minimum Per Project	Funding Cap Per Project	Total Funding Available
3-5 years	\$250,000	\$5,000,000	\$15,000,000

# U.S. EPA State Revolving Funds

## Bipartisan Infrastructure Bill funding flowing through EPSA CWSRF and DWSRF Programs

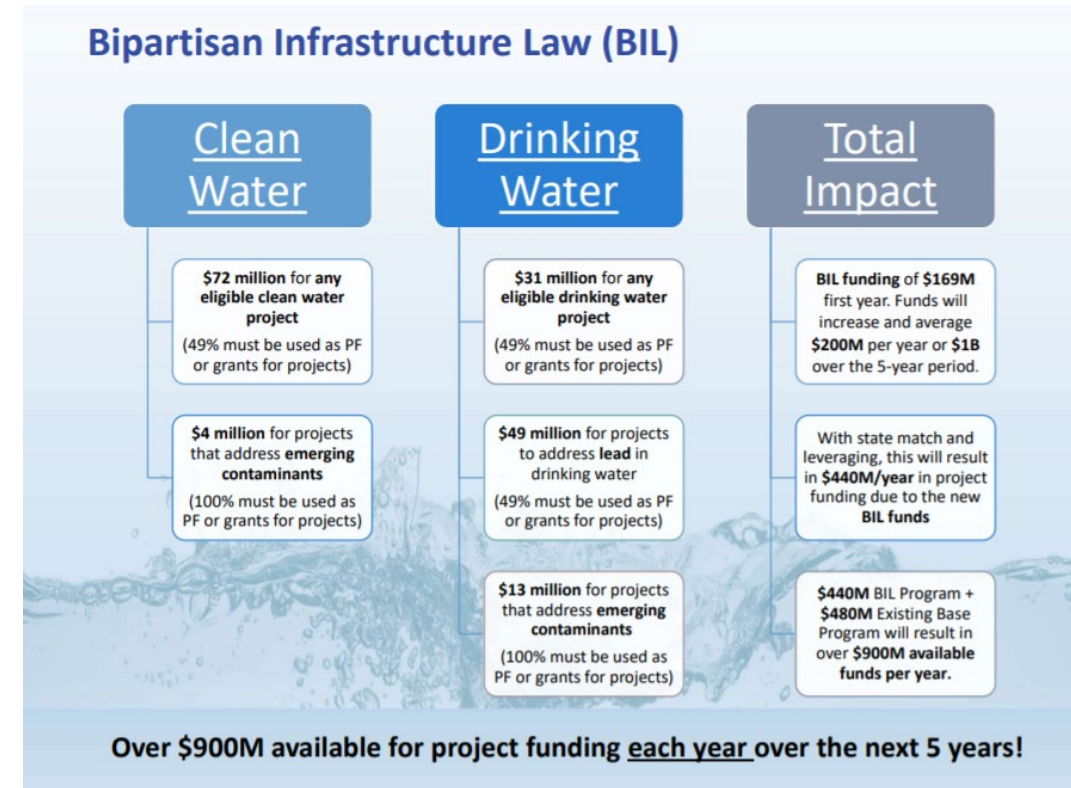
- Low-interest loans administered by state
- In NJ, administered through I-Bank
- Funding provided by U.S. EPA (through capitalization grants, IIJA, repayment or recycling of current loans and interest generated through loans)
- Rolling deadline in NJ
- Fund a variety of projects related to clean water, drinking water, wastewater infrastructure
- Projects must be listed on State's Intended Use Plan (IUP) to be awarded funding

Clean Water Categories	DEP Share	I-Bank Share
CSO Abatement – Grey and Green Infrastructure, Water Quality Restoration, <b>Affordability, Energy and Water Efficiency, Emerging Contaminants Projects*</b>	<b>75%</b> Interest Free Loan and Principal Forgiveness	<b>25%</b> AAA Market Interest Rate Loan**
All Other Water Quality Projects (Base CWSRF)	<b>50%</b> Interest Free Loan	<b>50%</b> AAA Market Interest Rate Loan
Brownfield Redevelopment (Conduit Projects)	<b>25%</b> Interest Free Loan	<b>75%</b> AAA Market Interest Rate Loan

# I - Bank

## New Jersey Infrastructure Bank

- Independent state financing authority responsible for providing and administering low interest rate loans to qualified municipalities, counties, regional authorities, and water purveyors in NJ
- Eligible projects: green infrastructure, water/energy efficiency improvements, wastewater, CSOs, I&I correction, stormwater management / non source pollution, brownfields, open space acquisition
- NJ Water Bank program to receive almost \$1 Billion over next 5 years from Bipartisan Infrastructure Bill
- Prioritizing projects that focus on resilience to climate change
- NJ defined specific criteria for affordability and disadvantaged communities
- 49 percent of funds provided through the CWSRF General Supplemental Funding must be provided as grants and forgivable loans to communities that meet the state's affordability criteria or certain project types





# U. S. HUD

## Community Development Block Grants – Disaster Recovery

- Congress appropriates funding to the CDBG-DR program in response to disasters
- Not a permanently authorized program, like FEMA
- HUD calculates and announces CDBG-DR funding, publishes rules, awards funds
- State and Local Gov'ts administer CDBG-DR grants and distribute funds to subrecipients
- Focus on long-term recovery efforts, address unmet needs not addressed by other federal programs
- Funds meant to supplement and fill remaining gaps
- Eligible use of funds include expenses related to disaster relief, long-term recovery, and restoration of infrastructure, housing, and economic revitalization
- Activities must address a disaster-related impact in a Presidentially-declared area for covered disaster
- Does not covered preparedness and mitigation

# DISASTER-RELATED FUNDING



## FEMA

- **HMGP:** funding to state, local, tribal and territorial governments to develop hazard mitigation plans and rebuild in a way that reduces, or mitigates, future disaster losses in their communities. Dependent on presidentially declared disaster.
- **PUBLIC ASSISTANCE:** FEMA Public Assistance is a federal grant that provides reimbursement for disaster related expenses. Often used for repairs, restorations, reconstruction or replacement of public facilities or infrastructure damaged or destroyed by a disaster.
- **SWIFT CURRENT** – new FEMA initiative to explore how to make flood mitigation assistance available within the disaster recovery timeframe, for repetitively flooded and substantially damaged buildings insured under the National Flood Insurance Program (NFIP) in advance of the annual grant process. \$10 M provided to NJ due to high amount of severe repetitive loss/repetitive loss of NFIP-insured unmitigated properties and total claims within FEMA region.



## Community Development Block Grants – Disaster Recovery

- Congress appropriates funding to the CDBG-DR program in response to disasters
- Not a permanently authorized program, like FEMA
- HUD calculates and announces CDBG-DR funding, publishes rules, awards funds, State and Local Gov'ts administer CDBG-DR grants and distribute funds to subrecipients
- Focus on long-term recovery efforts, address unmet needs not addressed by other federal programs
- \$228 M awarded to NJ to advance equitable disaster recovery and build climate resilience, in response to Tropical Cyclone Ida

# BRIC Eligibility

## Who is eligible for BRIC funding?

### Applicants:

- ✓ All 50 States
- ✓ U.S. territories
- ✓ Federally recognized Tribal Governments
- ✓ District of Columbia



### Subapplicants:

- ✓ Local Governments
- ✓ Tribal Governments
- ✓ State Agencies
- ✓ Tribal Agencies

# BRIC Eligible Uses of Funds

## Hazard Mitigation Projects

Examples include:

- Coastal Flooding — Seaport FiDi Floodwall
- Drought — Victoria, TX Aquifer Storage and Recovery
- Utility/Infrastructure Protection — DC Water Microgrid
- Emergency generators for critical facilities — Hickory, NC Pump Station Mitigation
- Hurricane, Inland Flooding, Landslides, Tornadoes, Tsunamis, Wildfires, Winter Storms

## Capability and Capacity Building Activities

Examples include:

- State Hazard Mitigation and Climate Adaptation Plan
- Building Code Activities
- Partnership Activities
- Project Scoping
- Mitigation planning and planning-related activities

## Management Costs

Examples include:

- Financial assistance to reimburse the recipient for eligible project costs
- Indirect Costs
- Direct Administrative Costs
- Other Administrative expenses

# The Funding Authority: Disaster Recovery Reform Act of 2018

- Federal government shift from being “reactive” to more “proactive”
- Major changes to FEMA Hazard Mitigation Assistance programs
- 6% set aside of all federal disaster spending will be appropriated to a new **National Public Infrastructure Pre-Disaster fund**.
  - ✓ Funds will be awarded under the new **Building Resilient Infrastructure and Communities (BRIC) program**
- BRIC is available annually and has a 25% local match requirement.



# Eligibility and Competitiveness

## Projects Must:

- Be cost-effective
- Reduce/eliminate risk and damage from future natural hazards
- Meet latest two consensus codes
- Meet all environmental and historic preservation (EHP) requirements
- Align with Hazard Mitigation Plan



Improve  
Quality of Life



Equity



Improve  
Resilience



Spur Economic  
Growth



Cost-Benefitting  
Framing



# American Rescue Plan Act (ARPA)

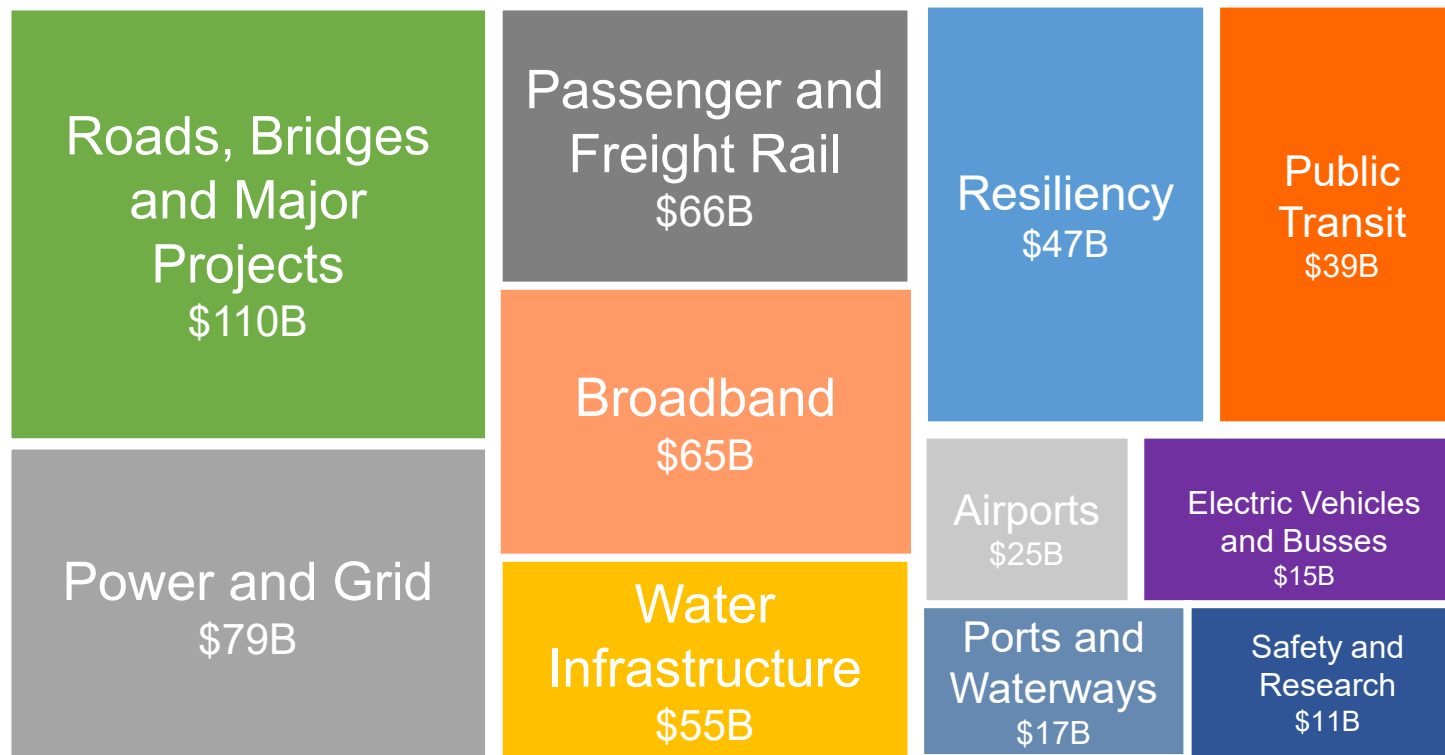
- The Coronavirus State and Local Fiscal Recovery Funds (SLFRF) program, a part of the American Rescue Plan, delivers \$350 billion to state, local, and Tribal governments across the country to support their response to and recovery from the COVID-19 public health emergency.
- **Funds can be used to invest in water, sewer, and broadband infrastructure, including** making necessary investments to improve access to clean drinking water, to support vital **wastewater and stormwater infrastructure**, and to expand affordable access to broadband internet
- **Funds must be allocated by 12/31/2024 and expended by 12/31/2026**
- Funding released to State and Local Gov'ts in 2 tranches:
  - 1<sup>st</sup> tranche (1/2) was distributed May 10, 2021
  - 2<sup>nd</sup> tranche (1/2) to be distributed May 10, 2022

State of NJ	• \$6,244,537,955
Hudson County	• 130,604,069
Essex County	• \$155,191,527
Bayonne	• \$35,655,886
Hoboken	• \$26,137,293
Jersey City	• \$139,971,935
Newark	• \$176,667,606

# Infrastructure Investment & Jobs Act

**\$1.2 trillion in federal funding will be distributed from IIJA, or the Bipartisan Infrastructure Law**

- Funding for roads, bridges, water & sewer infrastructure, broadband
- **\$550B new federal spending allocated over next 5 years**
- Much of the funding is being distributed through existing programs, such as SRF
- Federal agencies are largely programs still figuring out how to implement new funding



# Infrastructure Investment & Jobs Act

## Funding Allocations

### Climate, Energy, Environment

Clean Energy  
and Power  
\$74.95 B

Resilience  
\$42.35 B

Environmental  
Remediation  
\$21.6 B

Water  
\$64.25 B

Energy efficient &  
weatherization  
retrofits for homes,  
buildings,  
communities (\$6.5 B)

Promoting Resilient  
Operations for  
Transformative,  
Efficient, and Cost-  
Saving Transportation  
(PROTECT) Grants  
(\$8.7 billion)

\$5 B new funds to EPA  
to fund clean-ups and  
remedial actions on  
Superfund sites, with  
waived cost-share

Drinking Water and  
Clean Water State  
Revolving Funds  
(\$23.43 billion)

# Resilience, \$50 B

- Safer communities, resilient infrastructure
- Resilience to all hazards
- Address the impacts of climate change and cyber-attacks
- Protect against droughts, heat, floods and wildfires
- Largest investment in the resilience of physical and natural systems in American history.
- Cybersecurity allocation is spread across multiple programs to strengthen cyber systems and defense against future attacks

Promoting Resilient Operations for Transformative, Efficient, and Cost-Saving Transportation (PROTECT) Grants (\$8.7 billion)

Wildfire Management (\$8.25 billion)

Investments in Resilience through the Army Corps of Engineers (\$7 billion)

Western Water (\$3.8 billion)

Flood Mitigation Assistance Program (\$3.5 billion)

Weatherization (\$3.5 billion)

Cybersecurity (\$1.3 billion)

## Sample Programs:

- Preventing Outages and Enhancing the Resilience of the Electric Grid Grants State and Local Cybersecurity Grant Program, *Department of Homeland Security*, \$1 B
- Hazard Mitigation Revolving Loan Funds/Safeguarding Tomorrow through Ongoing Risk Mitigation (STORM) Act (Robert T Stafford Act, Sec 205), *Department of Homeland Security*, \$500 M
- Water Infrastructure Finance and Innovation Program Account, *Army Corps of Engineers* \$75 M
- Energy Sector Operational Support for Cyber Resilience Program, *Department of Energy* \$50 M

# Water, \$55 B

- Largest investment in drinking water, wastewater, water reuse, conveyance and water storage infrastructure in American history,
- Dedicated funding to replace lead service lines and address the dangerous chemical PFAS (per- and polyfluoroalkyl).
- Most funding will move through State Revolving Fund programs
- EPA provided detailed guidance to states. NJ I-Bank developing further parameters

Drinking Water and Clean Water State Revolving Funds (\$23.43 billion)

Lead Service Lines (\$15 billion)

PFAS and Emerging Contaminants (\$10 billion)

Indian Water Rights (\$2.5 billion)

Indian Health Service Water and Sewer (\$1.8 billion)

Water and Sewer Tax (\$1.25 billion)

Rural Water (\$1 billion)

Western Water (\$7.1 billion)

# Clean Energy, \$75 B

- Modernize power grid by building and upgrading thousands of miles of resilient transmission lines to reduce outages and energy costs
- Expand clean energy
- Invest in energy efficiency and clean energy improvements

Delivering clean power (~\$21.3 B)

Clean energy demonstrations (~\$21.5 B)

Energy efficient & weatherization retrofits for homes, buildings, communities (\$6.5 B)

Funding for clean energy manufacturing & workforce development (\$8.6 B)

## Sample Programs:

- Energy Efficiency and Conservation Block Grant Program, *Department of Energy* \$550 M
- Energy Efficiency Revolving Loan Fund Capitalization Grant Program, *Department of Energy*, \$250 M
- Building Codes Implementation for Efficiency and Resilience, *Department of Energy*, \$225 M

# **Funding Source Project Matching**



# Sample Project-Fund Matching

