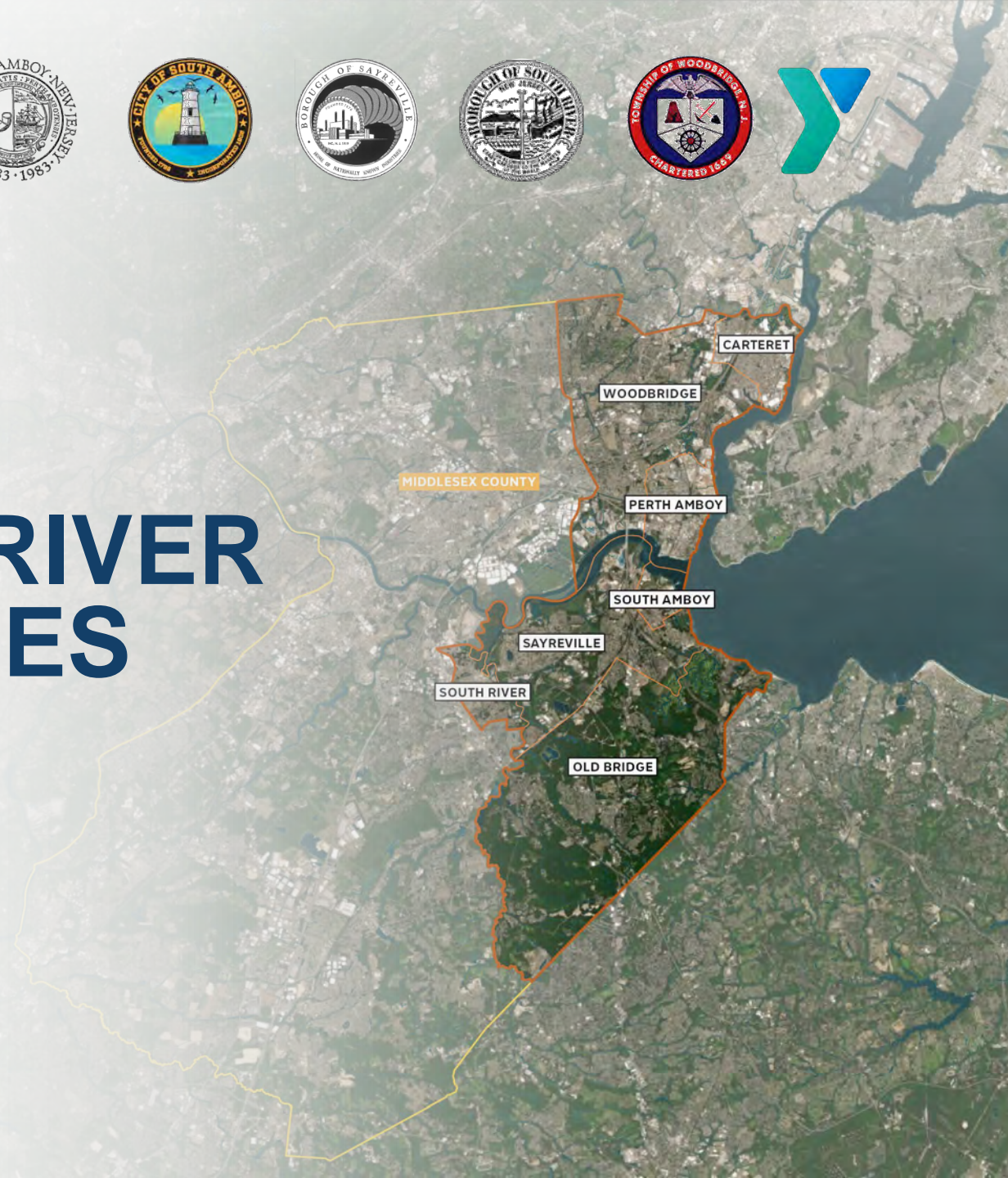




RESILIENT NJ RESILIENT RARITAN RIVER AND BAY COMMUNITIES

Funding Strategy

July 2022



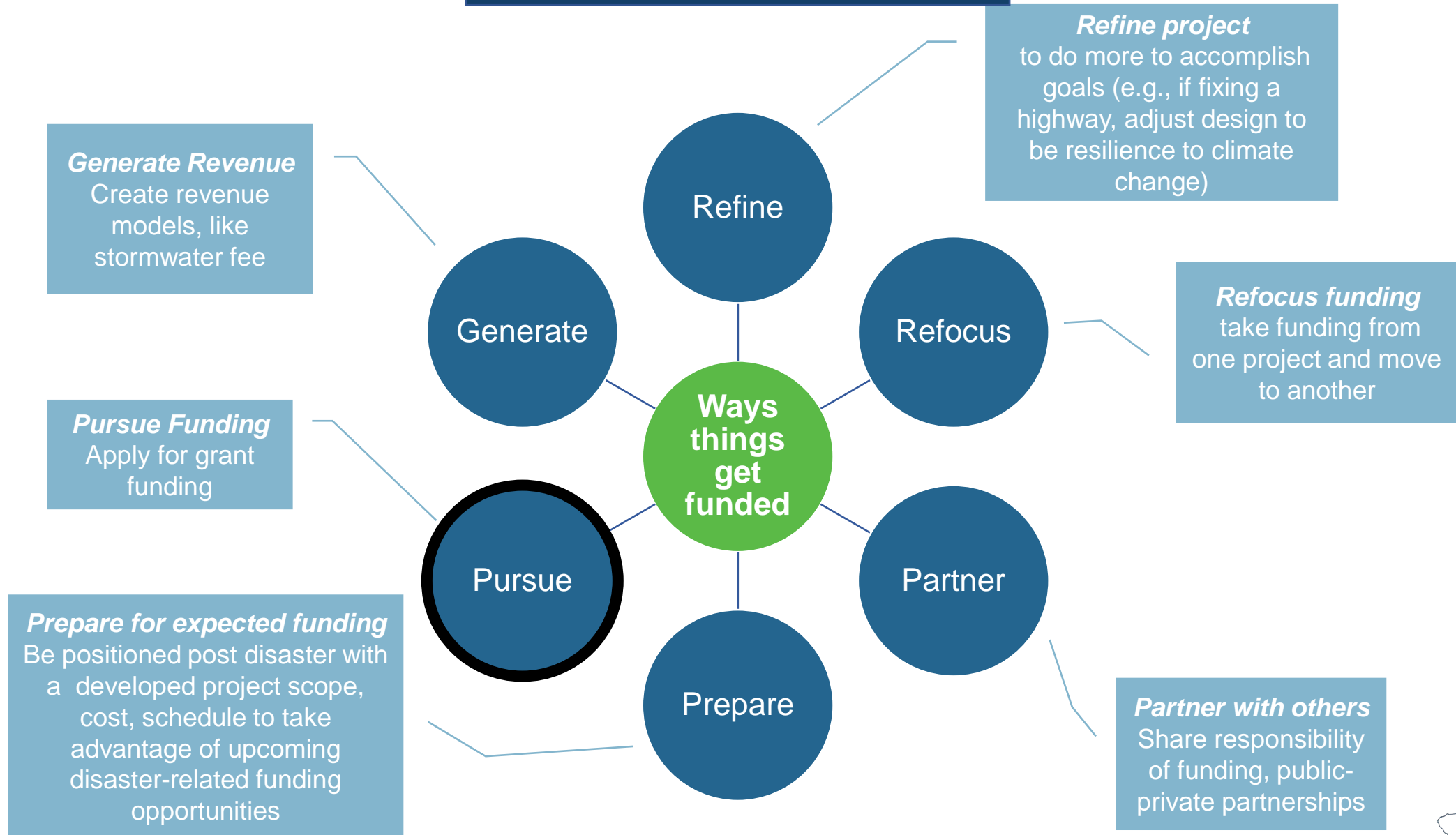
CONTENTS

- **Funding the Action Plan:**
 - Overview of ways to fund projects
 - Likely sources of funding for different actions
 - Potential matches for current projects



**ACTION PLAN
FUNDING STRATEGY
DEVELOPMENT**

MAXIMIZE WHAT WE HAVE



SHARE FUNDING BURDEN



RARITAN RIVER AND
BAY COMMUNITIES

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

- Middlesex County

Local Municipalities

- Woodbridge, Perth Amboy, South River, etc.

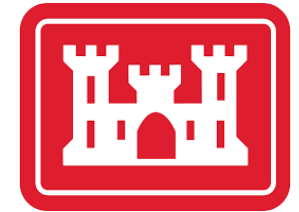
NFP/NGO

- NJ American Water, Dodge Foundation

From those sources, multiple agencies manage and distribute funds



FEMA



RARITAN RIVER AND
BAY COMMUNITIES

PHASES OF PROJECT IMPLEMENTATION



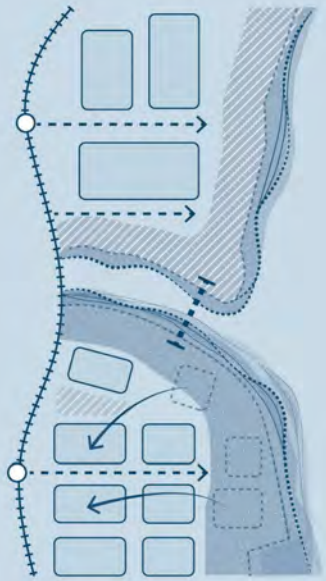
- There are various funding sources for different phase of a project
- Some funding is available for feasibility study only, while others require a feasibility study to already be done and are for construction only
- Most grants don't cover long-term maintenance

ACTION PLAN CALLOUT

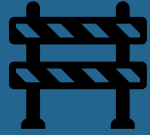
Middlesex Greenway Extension first requires a feasibility study to understand drainage prior to permitting & construction



ACTION PLAN SOLUTION BUCKETS



PROTECT,
RESTORE,
AND
TRANSITION



PHYSICAL INFRASTRUCTURE



COASTAL FLOOD BARRIERS WITH WATERFRONT GREENWAY



PROTECTION OF CRITICAL TRANSPORTATION ROUTES



NATURE BASED INFRASTRUCTURE



STORMWATER MANAGEMENT



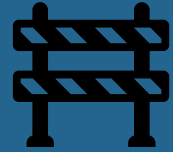
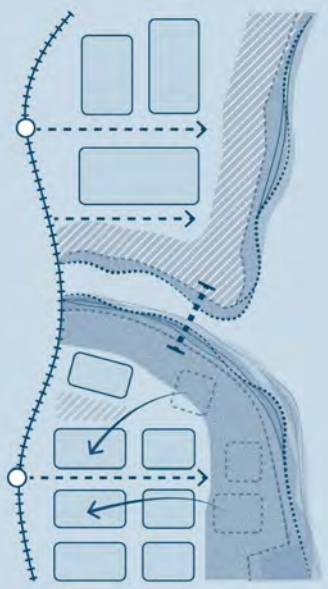
STREAM RESTORATION



RARITAN RIVER AND
BAY COMMUNITIES

PROJECTS IN EACH BUCKET

Project Types



Physical Infrastructure

- Floodwalls
- Berms & Levees
- Tide Gates
- Bulkheads
- Raising Land
- Hardening Infrastructure
- Raise Critical Systems or Buildings
- Culvert Modification
- Retrofit Pump Stations
- Tide / Surge Gate



Nature-Based Infrastructure

- Stormwater Retention
- Bioswale
- Reduce impervious surfaces
- Green Roofs
- Rain Gardens
- Expand tree canopy
- Erosion Control
- Wetland Restoration
- Living Shorelines
- Stream Daylighting
- Restore Beaches



Physical Infrastructure

Target larger federal funding sources, may require multiple funding sources:

- ARPA
- Bipartisan Infrastructure Bill
- USACE
- FEMA HMGP, PA, BRIC
- HUD CDBG-DR
- SRF funding through I-Bank



FEMA



Nature-Based Infrastructure

Target larger federal funding sources as well as state funds.






- FEMA BRIC
- NJDEP grant programs
- NOAA / USFW grants
- U.S. Department of Transportation DOT (opportunities for multi-benefit projects)
- SRF funding through I-Bank

POLICY & GOVERNANCE FUNDING BUCKETS

POLICY AND GOVERNANCE ACTIONS

- **Manage growth** by reducing density in highly at-risk areas through strategic buyouts and zoning changes, and increasing density in lower risk areas
- Promote **resilient development** through updating codes and policies
- Provide technical assistance and targeted outreach to property owners to **promote building mitigation and flood insurance**
- Promote regional, **watershed coordination** among municipalities and county

POLICY AND GOVERNANCE ACTIONS

-  Strengthen lower-risk developed areas near transit
-  Resilient Redevelopment
-  Proposed Conservation Zoning (OSCR, OS-C/OS-R, PR)
-  Acquire land through strategic buyouts for flood management
-  Site or building level adaptation of critical facilities

Policy & Governance



Outreach, Education, & Capacity Building



POLICY & GOVERNANCE FUNDING BUCKETS

Project types

Policy & Governance



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

Outreach and Education & Capacity Building



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

Non-Physical Solutions

Policy & Governance

- FEMA BRIC
- C-PACE
- NJEDA Brownfields Impact Fund
- NJDEP / NJEDA Hazardous Discharge Site Remediation Fund (HDSRF)
- DOT RAISE (Rebuilding American Infrastructure With Sustainability And Equity) Discretionary Grant (Formerly Build Grant Program),
- DOE Energy Efficiency And Renewable Energy Grant

Collaboration requires across local, state, municipal agencies



FEMA



Outreach and Education & Capacity Building

- FEMA BRIC Capacity Building
- Partners for Places Mini Grants, Funders Network (TNF) and Urban Sustainability Directors Network
- NJDEP Community-Based Art Grant Program
- NJDEP New Jersey Clean Communities Grant

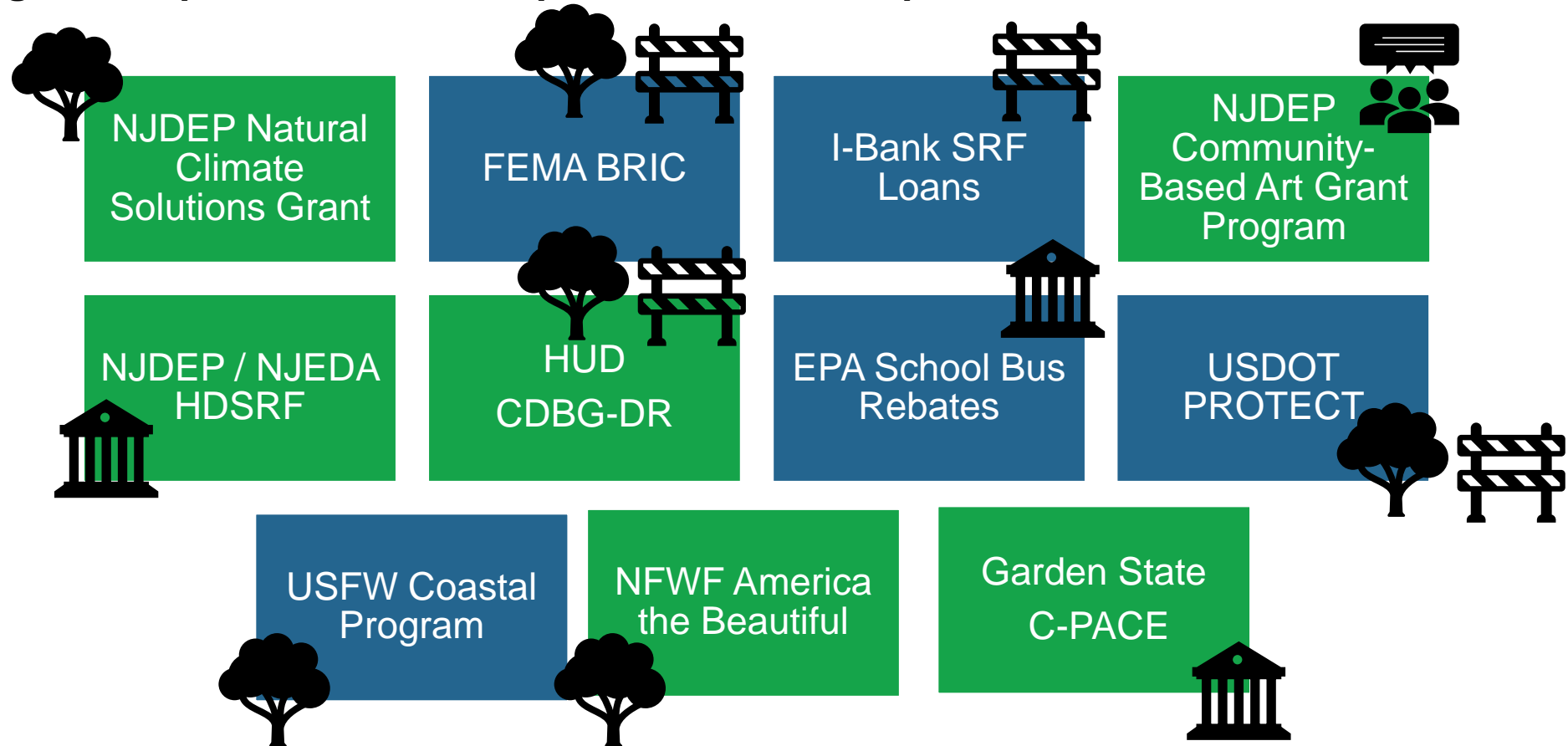
Look for local partners and opportunities for private grants

Project planning and capacity building grants

Current Funding Opportunities

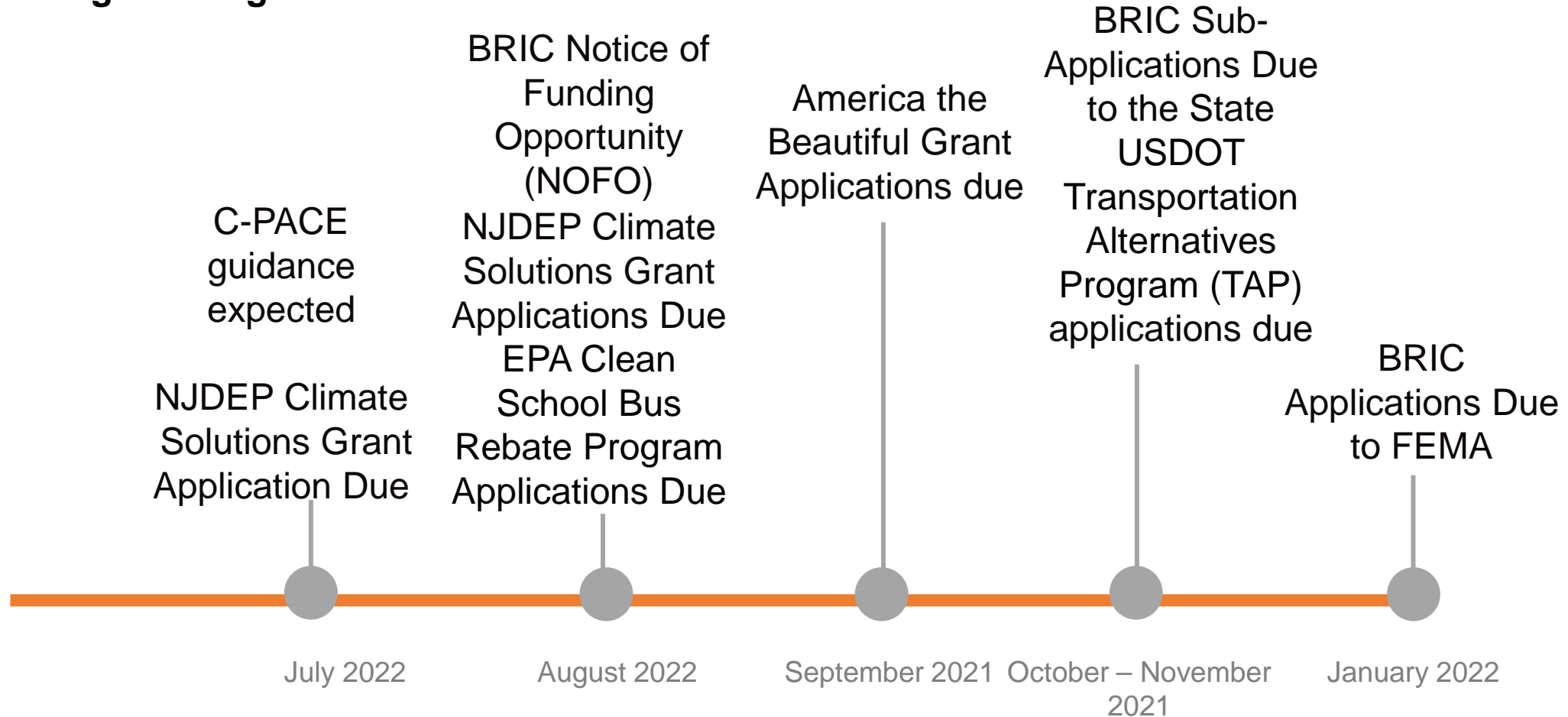
Pursue

What funding can be pursued now to implement the action plan?



TIMELINE

Upcoming Funding Deadlines and Announcements



I-BANK applications accepted on a rolling-basis

NOFOs continue to be released from Infrastructure Bill Funding

Current State Funding

Below is a sample of currently open 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 this summer

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



Current 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

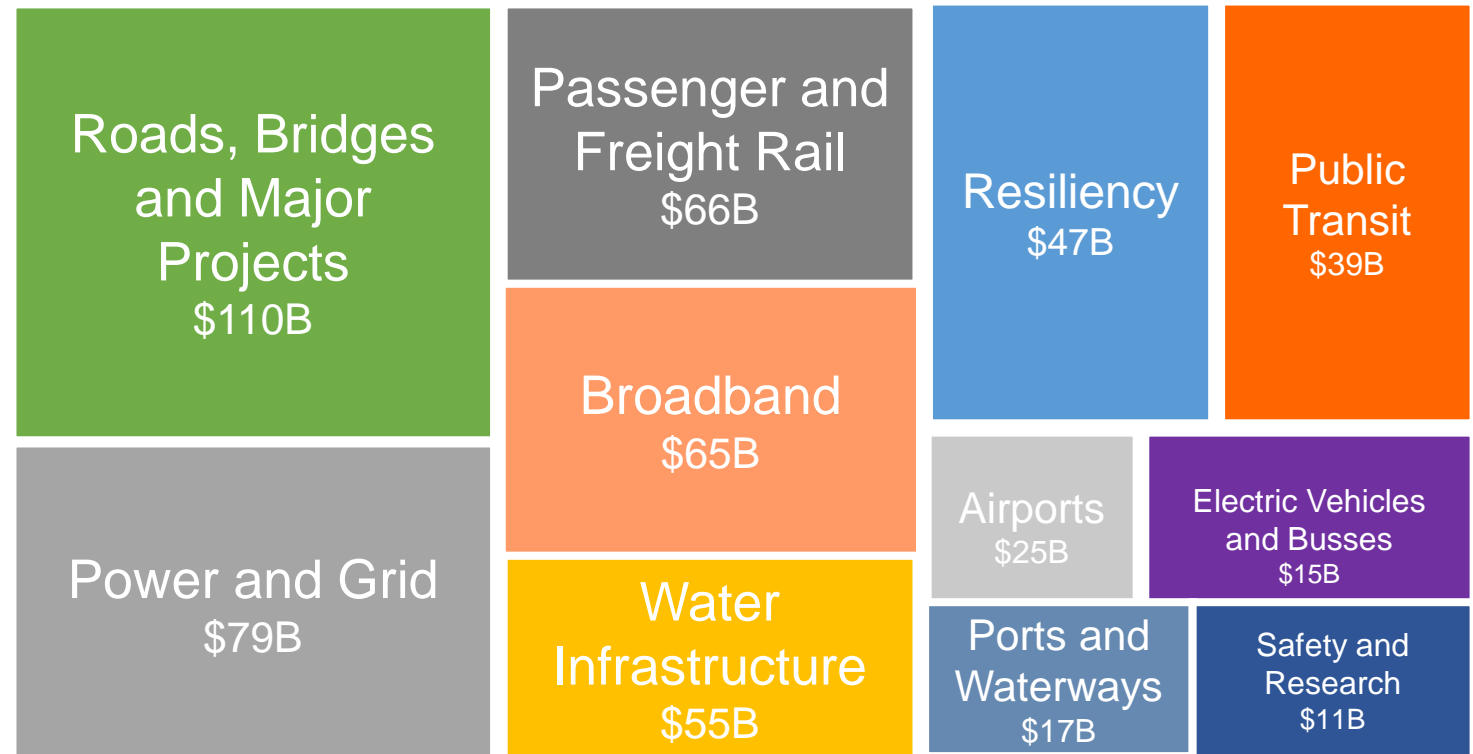
- \$25.2 M available
- Funded through proportional set-aside of funds under bipartisan infrastructure bill
- Administered by NJDOT, in partnership with the NJTPA, the DVRPC and the SJTPO
- Transportation Alternatives Set-Aside (TA Set-Aside) program provides federal funds for community based "non-traditional" 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**



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)

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**

State of NJ	• \$6,244,537,955
Middlesex County	• \$160,258,621
Sayreville	• \$5,947,913
Old Bridge	• \$6,949,009
Perth Amboy	• \$16,899,892
Woodbridge	• \$17,920,419

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

ARPA Funding Allocations



Middlesex County ARPA Funds (\$160M)

- The County anticipates utilizing SLFRF funds for a variety of improvements to the existing infrastructure including water and sewer:
 - Improve and repair wastewater treatment plants; improve resilience of infrastructure to severe weather conditions; protect waterbodies from pollution; improve flood control; ensure compliance with federal and state environmental safety requirements; improve and address those conditions that causes the most risk to human health, etc.

New Jersey ARPA Funds (\$6.2 B)

- \$2.4 B has already been allocated (through 2 proposals presented to Joint Budget Oversight Committee on November 24, 2021 and July 27, 2021)
- Remaining \$3.8 B to be allocated through proposals to Legislature's Joint Budget Oversight Committee (except for \$200M for programs of less than \$10 M without JBOC approval)
- Funds are administered through Governor's Disaster Recovery Office, Department of Community Affairs' Division of Disaster Recovery and Mitigation

BRIC Minimum Qualifications

Projects MUST:

- Reduce/eliminate risk and damage from future natural hazards
- Be cost-effective (a BCA is required for project applications)
- Provide 25% cost share (additional points provided for projects with 30%+ match)
- Meet all environmental and historic preservation (EHP) requirements
- Conform to either of the two latest consensus-based codes (IBC 2015/2018/2021)
- Subapplicants must have a Local and State Hazard Mitigation Plan in place to be eligible



Improve
Quality of Life



Equity



Improve
Resilience



Spur Economic
Growth

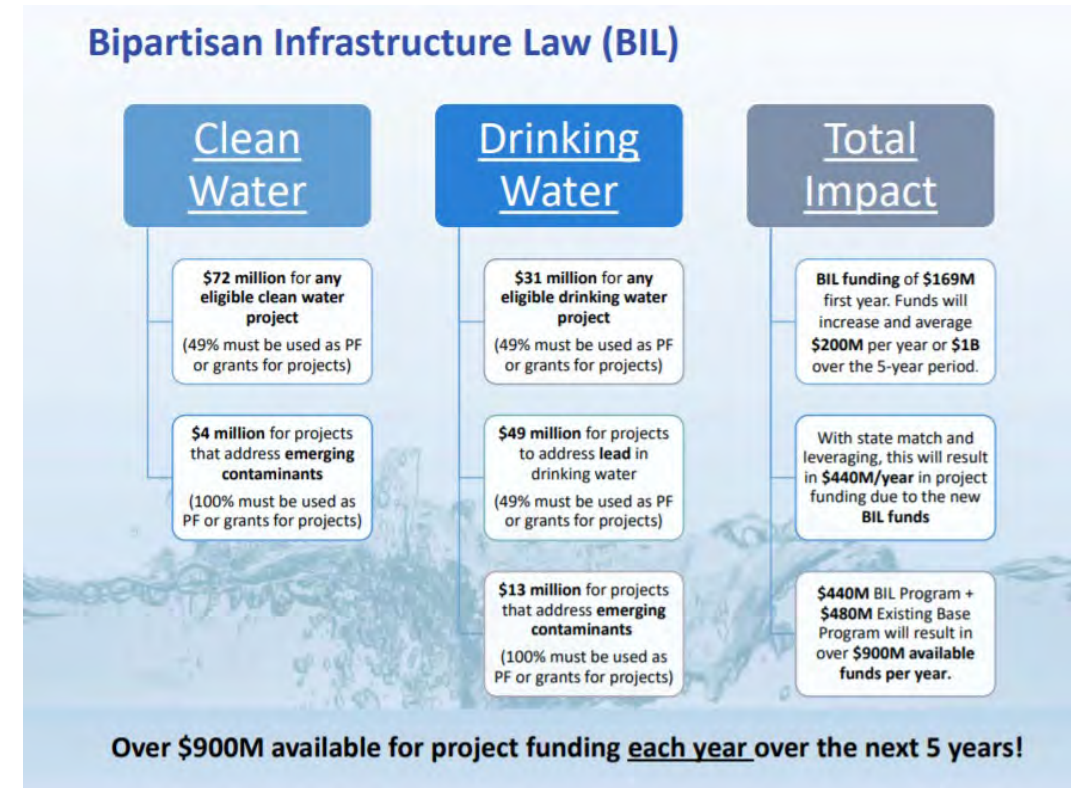


Cost-Benefit
Framing

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




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](#)

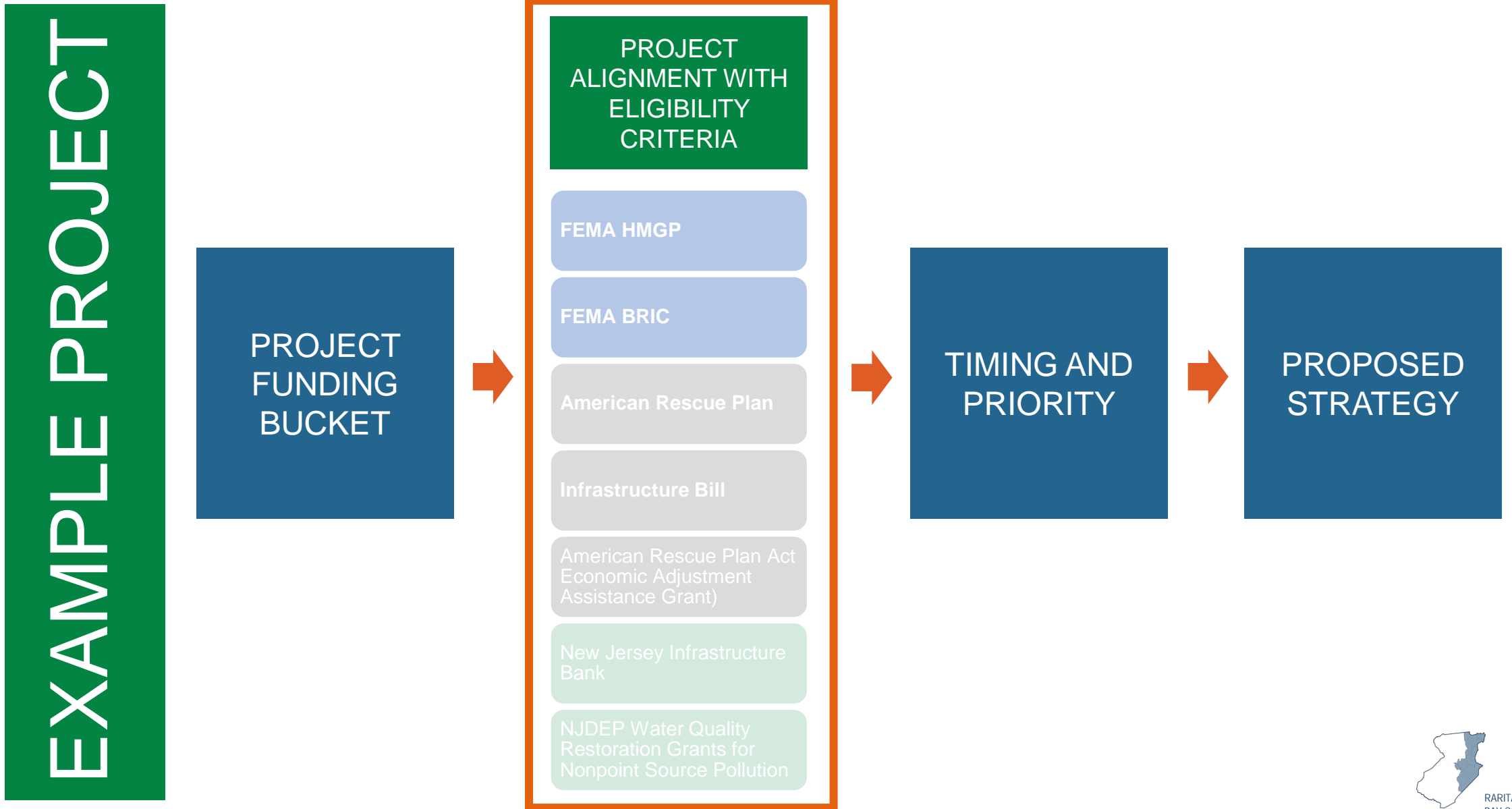
[Community Firewise Grants](#)

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.



Funding Source Project Matching

Sample Project-Fund Matching



MIDDLESEX GREENWAY EXTENSION / WASHINGTON PARK



IMPROVE DRAINAGE SYSTEM

INCREASE FLOOD STORAGE
& INFILTRATION IN PUBLICLY-
OWNED OPEN SPACES

BIOSWALE ALONG RAIL EASEMENT

IMPROVE CAPACITY OF
STORMSEWER SYSTEM

INCREASE FLOOD STORAGE
AT WASHINGTON PARK

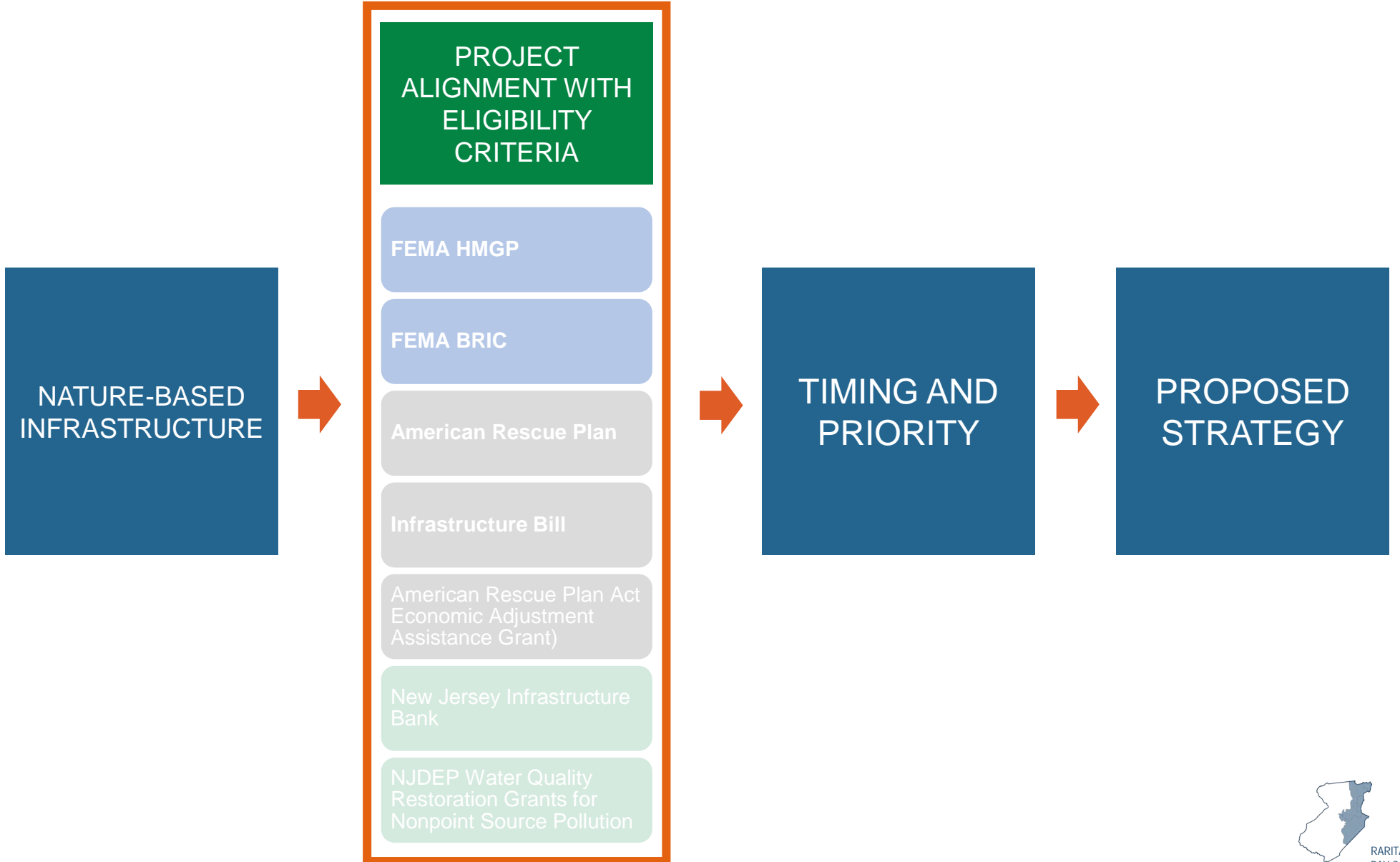
- + Reduces Flooding
- + Less flooding impacts on roads and homes
- + Addresses Future Risk
- + Implementing Nature-Based Solution
- + Improving Water Quality
- + Flood Storage
- + Phased Project
- + Recreation benefits

LEGEND

- Multi-use Path
- Flood storage on public lands
- Improve Drainage System
- 24-hour 100-year Storm with 10% Rainfall Increase (2070)

Sample Project-Fund Matching

MIDDLESEX GREENWAY EXTENSION



Sample Project-Fund Matching

*Note: this just considering
CURRENT funding cycles.
There are many other
applicable sources, such
as NJDEP Green Acres*

MIDDLESEX GREENWAY
EXTENSION

NATURE-BASED
INFRASTRUCTURE



PROJECT ALIGNMENT WITH ELIGIBILITY CRITERIA



- + Reduces Flooding
- + Less flooding impacts on roads and homes
- + Addresses Future Risk
- + Implementing Nature-Based Solution
- +Improving Water Quality
- + Flood Storage
- + Phased Project
- + Recreation benefits
- +Reuse of rail for recreation benefits



- FEMA BRIC
- American Rescue Plan
- Infrastructure Bill
- New Jersey Infrastructure Bank
- NJDEP Climate Solutions Grant
- USDOT TAP