

State and Federal Programs Facilitating Local Action

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RESILIENT NJ: Planning for a Stronger New Jersey

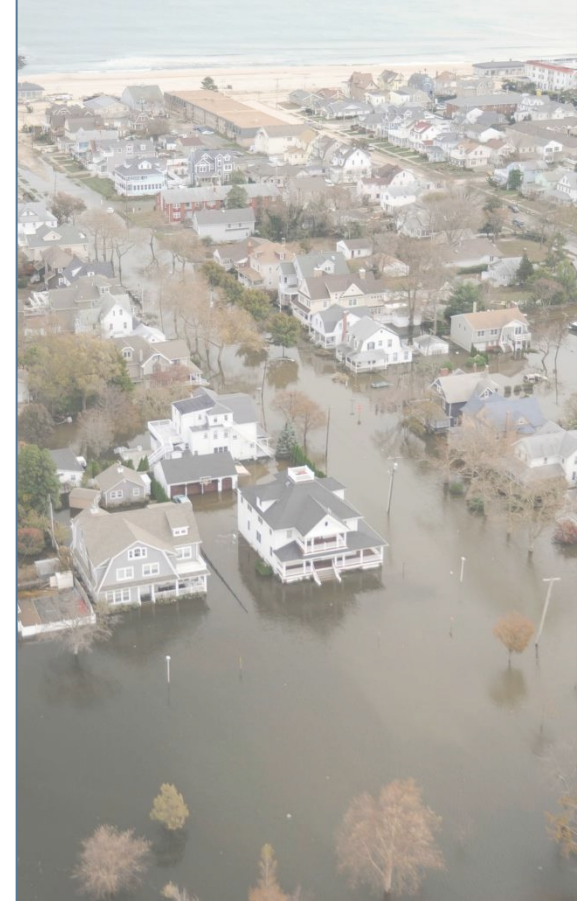




Overview

Resilient NJ, run by the Department of Environmental Protection in New Jersey, provides assistance and funding for local climate resilience planning.

Resilience is the ability of social and ecological systems to absorb and adapt to shocks and stresses, while becoming better positioned to respond in the future. Resilience is not an end-state, but a dynamic state-of-being that will grow more difficult to attain as the climate continues to change.



Accelerating Community Resilience



Understanding Vulnerability

- New data & assessment methodologies
- Considering social vulnerability
- Partnering with NJOEM and Rutgers to provide guidance



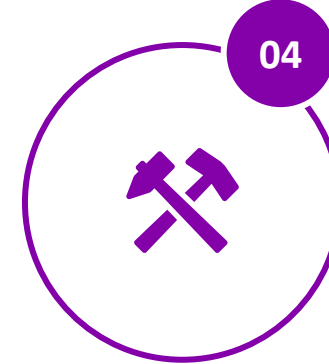
Expanding Capacity and Engagement

- Underrepresented populations
- Funding for community-based organizations
- Comprehensive engagement throughout process



Identifying Solutions

- Scenario-based approach
- Regional scale and high impact
- Equitable and responsive to community vision



Supporting Local Action

- Money for advancing actions
- Meeting new legislation and state agency priorities
- Quality of life not just risk reduction



2020 Regional Projects

Northern New Jersey

- **Jersey City**, Hoboken, Bayonne, Newark, HOPES, *Ironbound Community Corp*
- **Arcadis**

Raritan River and Bay

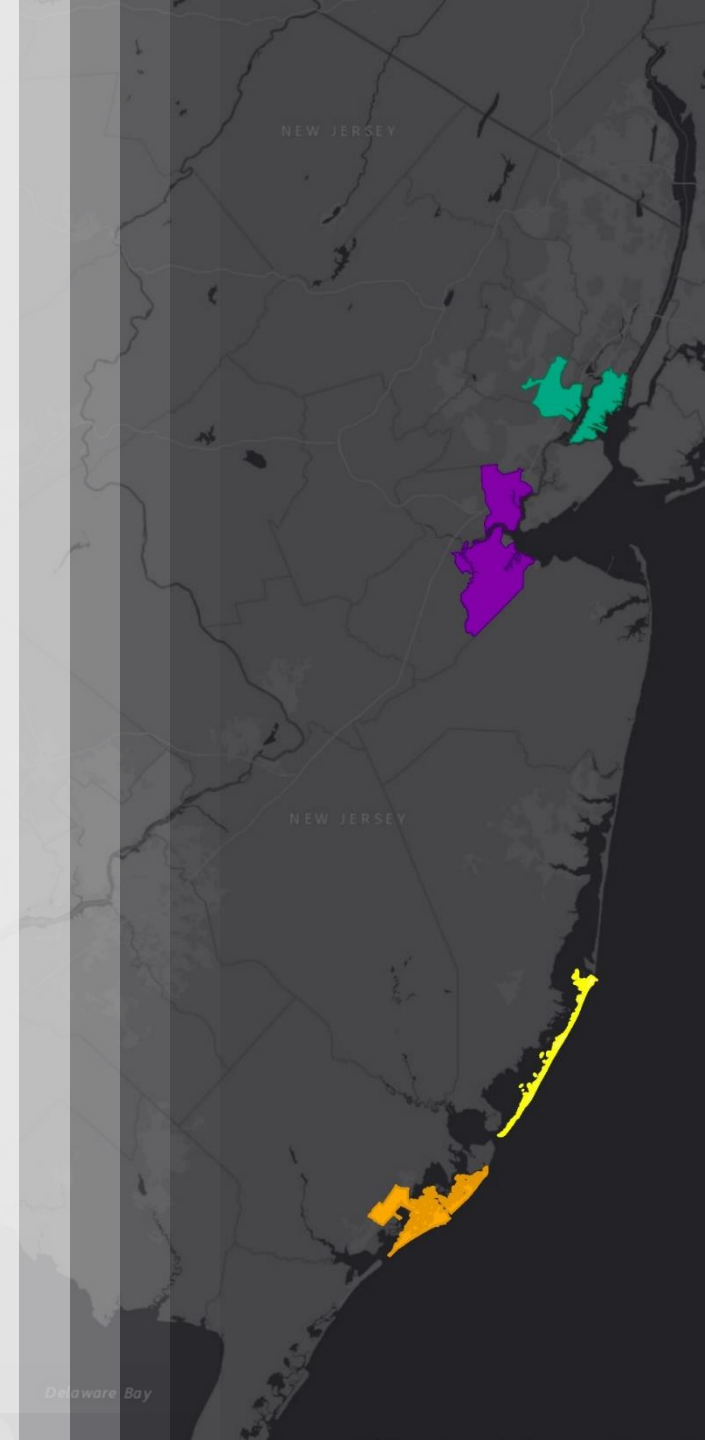
- **Middlesex County**, Woodbridge, Perth Amboy, Sayreville, Old Bridge, South River, *Lower Raritan Watershed Partnership*
- **Arcadis**

Long Beach Island

- **Long Beach Township**, Beach Haven, Ship Bottom, Surf City, Harvey Cedars, Barnegat Light, *St. Francis Community Center*
- **Kleinfelder**

Atlantic County Coastal Region

- **Ventnor City**, Margate, Longport, Atlantic City, Brigantine, Pleasantville, Northfield, *Red Cross*
- **WSP**





Assessing Vulnerability

- Pre-defined methodology - small deviations allowed
- Includes sea-level rise and precipitation modeling
- Broad definition of assets
- Quantitative and qualitative impact analysis

Assets are features within a community that the region values. Identified assets can include facilities, populations, processes, services, functions, institutions, or networks that are essential to day-to-day life, rapid disaster recovery, and long-term resilience of the community. They are the places, people, events, processes, and things that define your community.

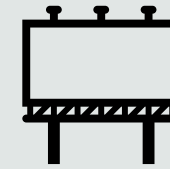
Categories of Asset Types

Government Services 	City Halls	Municipal Buildings	Health 	Animal Shelter	Hospitals
	Court Houses	Police Departments		Assisted Living Facilities	Mental Health Facilities
	Fire Departments	Post Offices/Delivery		Dentist Offices	Nursing Homes
	Department of Public Works	Office of Emergency Management		Doctors' Offices	Drug Treatment Services
Infrastructure 	Bridges	Power Plants	Social & Cultural 	Farmer's Markets	Recreation Centers
	Bike Share Stations	Prisons		Food Assistance	Urgent Care Facilities
	Brownfields	Rail		Art Studios	Libraries
	Bus Stops & Routes	Recycling Centers	Boardwalks	Marinas	
	Contaminated Sites	Roads	Festivals	Parades	
	Culverts	Superfund Sites	Community Centers	Places of Worship	
	Drainage Systems	Trails and Paths	Shuttle Services	Schools	
	Evacuations Routes	Utilities/Cell & Internet	Fairs	Social Networks	
	Flood Control Structures	Water Towers	Housing 	Apartments	Shelters
	Economic 	Banks/Financial		Individual Businesses	Single Family Homes
Business Districts		Industrial Structures		Duplexes	Trailer Parks
Commercial Structures		Large Employers		Multiplexes	Repetitive Loss (RL) and Severe Repetitive Loss (SRL) Properties
Natural 	Beaches	Open Space	Identification of Buildings with NFIP Policies		
	Ecosystems	Parks			

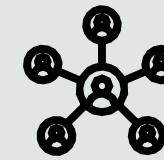


Expanding Capacity & Engagement

- Every region required to partner with a community-based organization
- Concerted effort to reach underrepresented populations
- Emphasis on collaboration and relationship building
- Working with Enterprise Community Partners to support engagement plan development process



PRESS AND
MEDIA KITS



(VIRTUAL) PUBLIC
MEETINGS



FOCUS GROUP
MEETINGS



ADVISORY
COMMITTEES



MEETING IN
A BOX



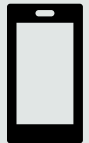
INTERVIEWS AND
BRIEFINGS



TRANSLATION



WEBSITE



APP



SURVEYS



PROJECT
HOTLINE



SOCIAL MEDIA



NEWSLETTERS



COMMUNITY ART



FLYERS



Identifying Solutions

- Minimum of three scenarios
- All scenarios must meet vision and address socially vulnerable populations
- Emphasis on quality of life
- Evaluations not based on federal Cost-Benefit calculations
- Creating an “innovation” competition for additional implementation dollars

SCENARIO PLANNING - CASE STUDY

SCENARIO EVALUATION & PREFERRED RESILIENCE & ADAPTATION SCENARIO



Electric Charging Stations



Elevate Roadway



Gateways & Wayfinding



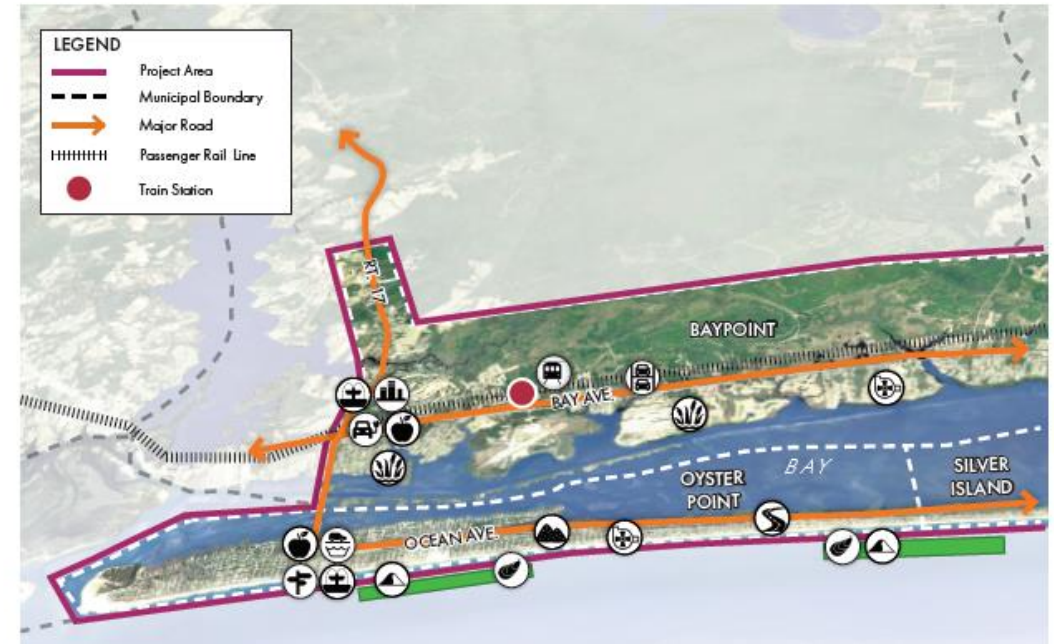
Pump Stations

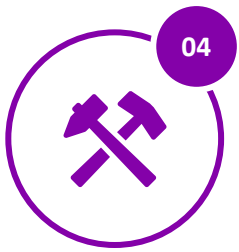


Central Community Plaza



Parking Structure Built into Dune System





Supporting Local Action

- 30% of total budget for implementation
- Some actions can be identified before plan is finalized
- All planning dollars – no construction
- Potential ideas: funding applications, concept drawings, master plan or ordinance updates





Next Steps

- Regional projects will launch this month
- Web-based guidance in late spring
- New round of funding in 2021
- Resilience coordinators program in 2022
- Expanding partnerships to build more capacity
- Continuing to develop new data, methods, and research





Contact Us

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