

“Getting to Resilience” webinar

A brief description of two NJDEP Projects:
Resilient Coastal Communities Initiative
&
Municipal Public Access & Resiliency Small Grants Program

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NJ Coastal Management Program

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A brief description of two NJDEP Projects:
Resilient Coastal Communities Initiative
&
Municipal Public Access & Resiliency Small Grants Program



- * NJ Coastal Management Program
 - * Network of relevant NJDEP programs
 - * Office of Coastal Management – coordination and planning
 - * Post-Sandy, increased emphasis on increasing coastal resilience
 - * Community planning focus
 - * Identify and expand use of existing management tools
 - * Develop and apply new approaches
 - * Inform more effective policies, regulations, & planning



Resilient Coastal Communities Initiative

- * NOAA Coastal Resilience Networks Grant Program
- * Grant Award to NJDEP; project duration: June 1, 2014 – May 30, 2016
- * Project Partners:
 - * NJDEP - NJ Coastal Management Program
 - * Jacques Cousteau National Estuarine Research Reserve
 - * Rutgers University - Bloustein School
 - * Sustainable Jersey[©]
 - * New Jersey Future
 - * Monmouth University - Urban Coast Institute

Resilient Coastal Communities Initiative

Project Objectives:

1. Provide assistance to communities either affected by Sandy and/or vulnerable to future storms;
2. Implement strategies that reduce risk and vulnerability to coastal hazards;
3. Provide necessary tools, guidance and technical assistance for coastal resilience planning;
4. Advance government policy and practice that support community-based recovery and resiliency efforts; and
5. Establish a Resilient Coastal Communities Initiative within the NJ Coastal Management Program

Resilient Coastal Communities Initiative

Four Primary Tasks:

1. Coastal Hazards Vulnerability Assessment
2. Coastal Hazard Response – Tool Development
3. Resiliency Planning – Expanding Existing Efforts & Capacity
4. NJ Coastal Management Program – Design and Implement Resilient Coastal Communities Program

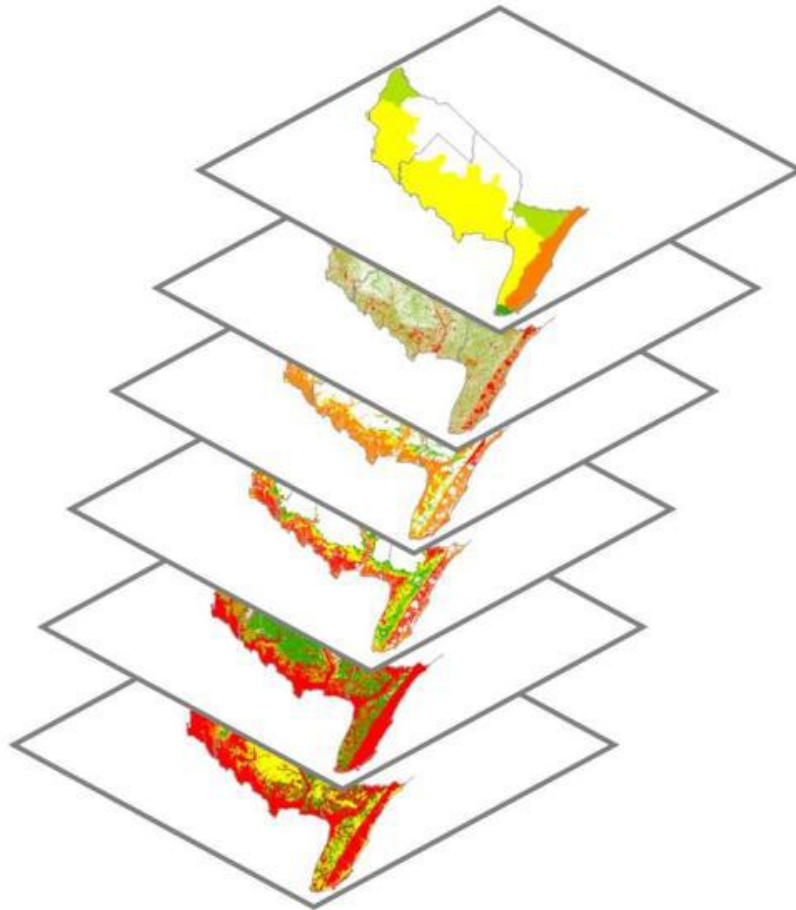
Resilient Coastal Communities Initiative

Task 1: Coastal Hazards Vulnerability Assessment

For all 239 coastal communities – provide basic vulnerability assessment:

- a. Coastal Vulnerability Index (CVI) – Summary measure of flooding risk
- b. Overlay CVI map with critical local infrastructure & facilities
- c. Narrative that explains this analysis and potential risks
- d. Invitation to participate in larger project (i.e., deeper analysis; management options)

Resilient Coastal Communities Initiative



$$CVI = \sqrt{\left(\frac{a \times b \times c \times d \times e \times f}{6} \right)}$$

Where CVI =

(a) *Geomorphology*

(b) *Slope (% Rise)*

(c) *Flood Prone Areas*

(d) *Storm Surge (SLOSH)*

(e) *Drainage*

(f) *Erosion*

Resilient Coastal Communities Initiative

Task 2: Coastal Hazard Response – Tool Development

- Currently, no clear, comprehensive, single guidance document (specific to NJ regulatory requirements).
- Develop a NJ-specific *Municipal Coastal Hazard Response Guide* (web-based)
- Identifies appropriate planning responses, tools, and best management practices.
- The Municipal Coastal Hazard Response Guide will build on the *Getting to Resilience* (GTR) tool
- Assist in the development of municipal resiliency plans.

Resilient Coastal Communities Initiative

Task 3: Resiliency Planning – Expanding Existing Efforts & Capacity

- Engage 40 - 50 volunteer communities to participate in project
- Conduct *Getting to Resilience* tool in all towns
 - Use vulnerability assessment as background
- Support community use of *Municipal Coastal Hazard Response Guide*
- Develop community-specific response actions to improve municipal resilience, e.g., plans, ordinances, projects.

- Community-Based Resilience Planning Workshop
 - For planning practitioners
 - Focus on presenting effective methods for assessing coastal vulnerability, addressing coastal hazards and reducing risk.
 - Recommendations to improve 1) the *Response Guide*, and 2) State level policies, regulations and programs related to local resilience.

Resilient Coastal Communities Initiative

Task 4: NJ Coastal Management Program – Establish Resilient Coastal Communities Initiative

- Document and evaluate project experiences
- Identify recommended changes to current State policies and regulations
- Use information to design and establish a formal, standing Resilient Coastal Communities Initiative (or Program)

NJDEP Municipal Public Access Planning Grant Program

Public Access

- The public has the right to access tidal waters and their shorelines
- Guaranteed by the Public Trust Doctrine
- Principle that certain resources, in this case tidal waters and shorelines, are preserved for public use, and that the government is required to maintain them for the public's reasonable use.

NJDEP Municipal Public Access Planning Grant Program

- **Municipal Public Access Planning**
 - DEP Public Access Rule (NJAC 7:8-11)
 - Towns may develop and implement municipal public access plans (must border tidal waters)
 - Enhance availability and quality of public access
 - DEP will work one-on-one to assist communities
 - Plan reflects local priorities and needs
 - NJ Office of Coastal Management provides planning and technical support

NJDEP Municipal Public Access Planning Grant Program

- Post-Hurricane Sandy:
 - Community resilience considerations must be part of all local planning efforts -- integrated planning
 - Including public access planning

NJDEP Municipal Public Access Planning Grant Program

- **Municipal Public Access Planning Grant Program:**
 - Competitive; prescribed proposal format and content
 - Eligibility: Border tidally-flowed waters
 - All proposals must include public access plan component
 - Resilience planning component optional
 - Awards
 - Up to \$15,000: municipal public access planning/plan
 - Up to \$15,000: development of *coastal vulnerability assessment report*
 - Total may not exceed \$25,000

NJDEP Municipal Public Access Planning Grant Program

Round 1

- \$120,000 available
- Awards:

Brooklawn Borough

Carteret Borough

Harrison Township

Keyport Borough

Long Beach Township

Middle Township

Millville City

Newark City

Somers Point City

Toms River Township

NJDEP Municipal Public Access Planning Grant Program

Round 2

- \$200,000 available
- Submittal period closed June 6, 2014
- 28 proposals received
- Evaluation and selection underway

NJDEP Municipal Public Access Planning Grant Program

Round 3

- Fall 2014 Request for Proposals
- >\$200,000 available (planned)
- Similar criteria as Round 2

