Resilience Evaluation and Needs Assessment (RENA) Process

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Outline

Project Overview

Process

Resources

Project Overview

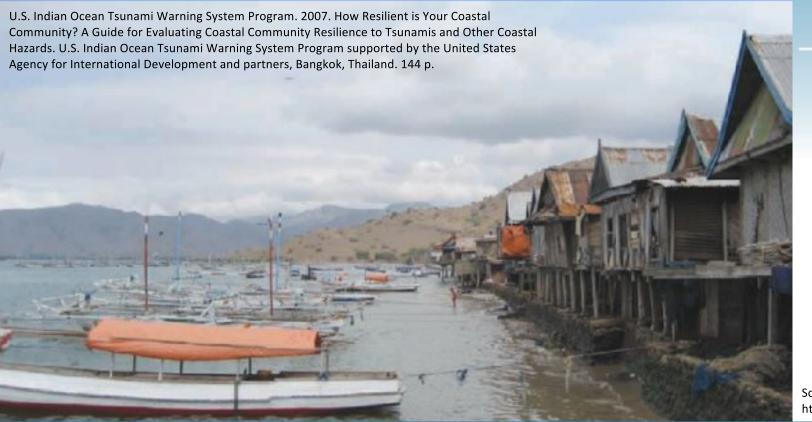
But first: what are our goals?

- •1) to increase staff and resident awareness of the community's vulnerabilities to coastal hazards; and
- •2) to assist in resilience-building through planning and project identification.

Five-Year Plan

HOW RESILIENT IS YOUR COASTAL COMMUNITY?

A GUIDE FOR EVALUATING COASTAL COMMUNITY RESILIENCE TO TSUNAMIS AND OTHER HAZARDS



CALIFORNIA ADAPTATION PLANNING GUIDE









PLANNING FOR ADAPTIVE COMMUNITIES

Source: California Natural Resources Agency. 2012. http://resources.ca.gov/docs/climate/01APG_Planning_for_Adaptive_Communities.pdf

Two-Year Pilot Process



Our Process

Step-by-step plan

- 1) Regional survey
- 2) Community selection
- 3) Initial meeting
- 4) Asset mapping
- 5) Town staff input
- 6) Resident input
- 7) Modeling
- 8) Hotspot identification & prioritization
- 9) Project identification

1. Regional survey

- Purpose
- Demographics
- Most common challenges
- Needs to address challenges
- Local-level resilience efforts
 - Only 56% of communities have conducted formal risk or vulnerability assessments

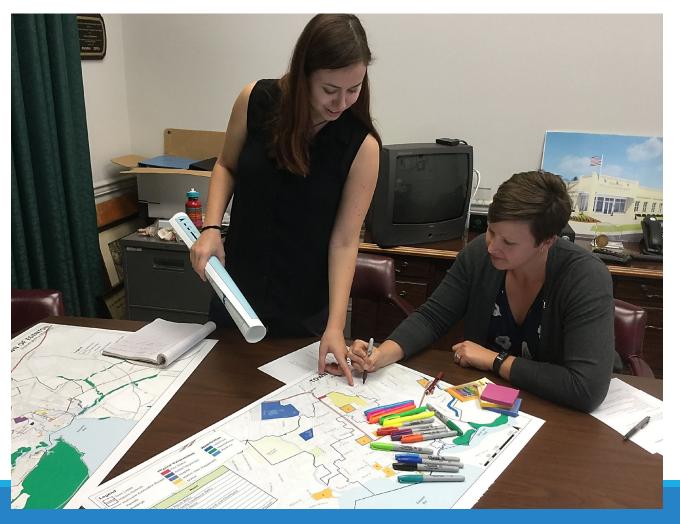
2. Community selection



3. Initial meeting

- Information on hazards, demographics, and needs
- List of stakeholders
- Timeline

4. Asset mapping

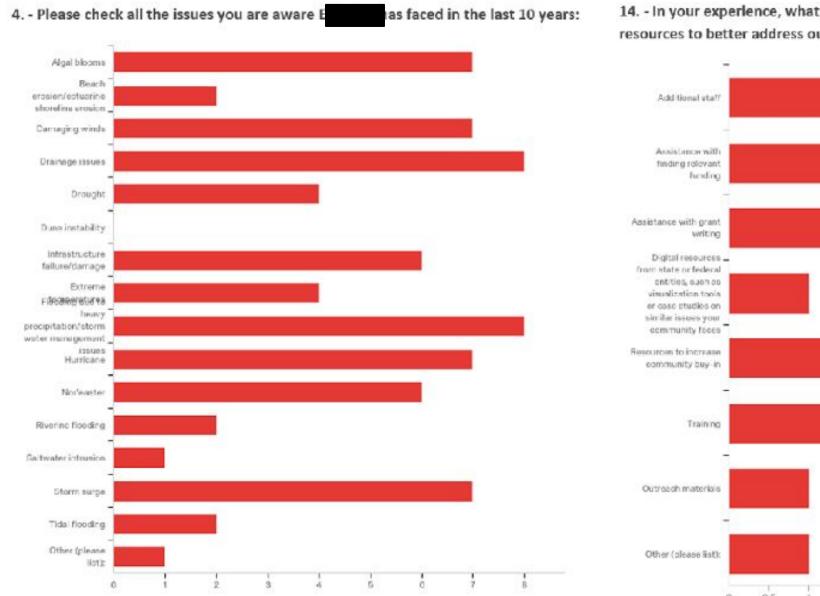


- Physical and social vulnerabilities
- Community-specific
- Paper-to-GIS
- Multiple revisions

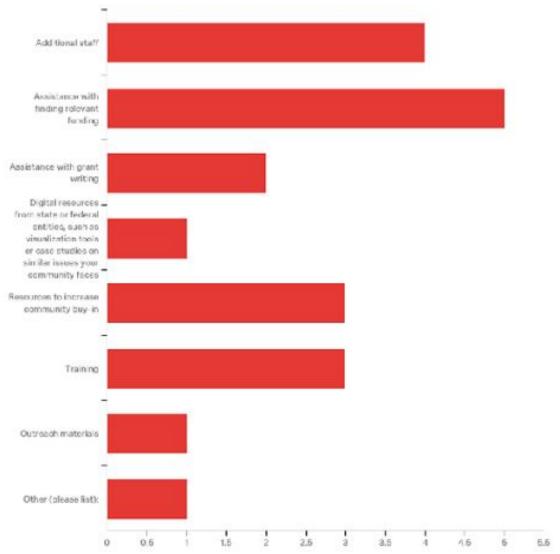
*Note: it is possible to do this project without the use of GIS. Planners can use paper maps to conduct their community vulnerability assessment.



5. Town staff input



14. - In your experience, what does the 1 meed in terms of tools and resources to better address our environmental issues?

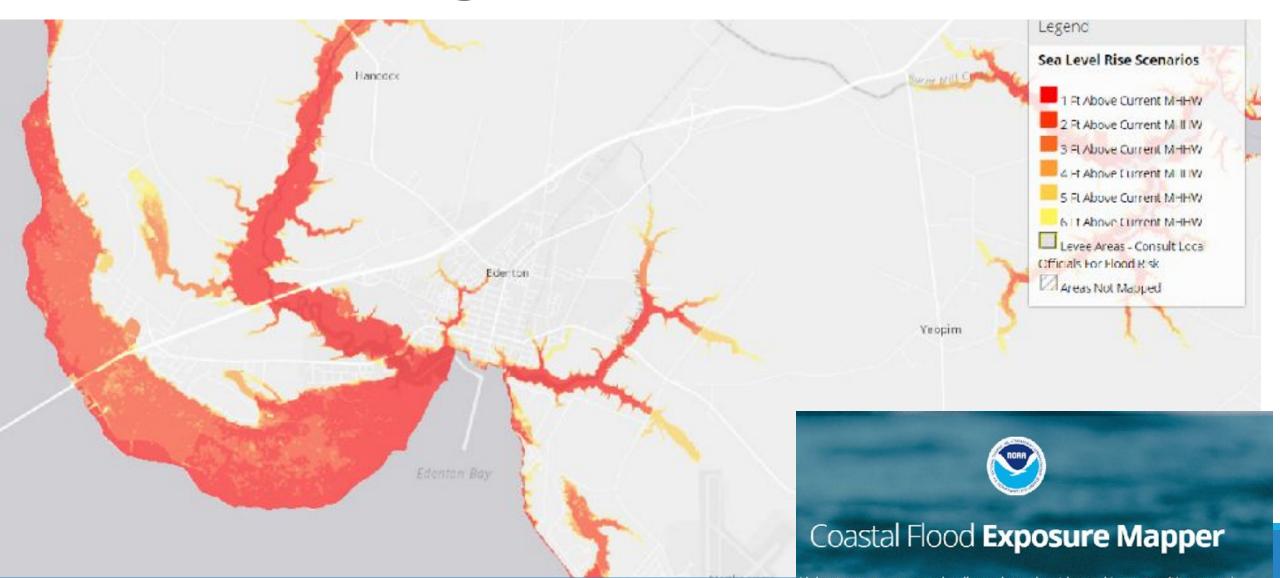




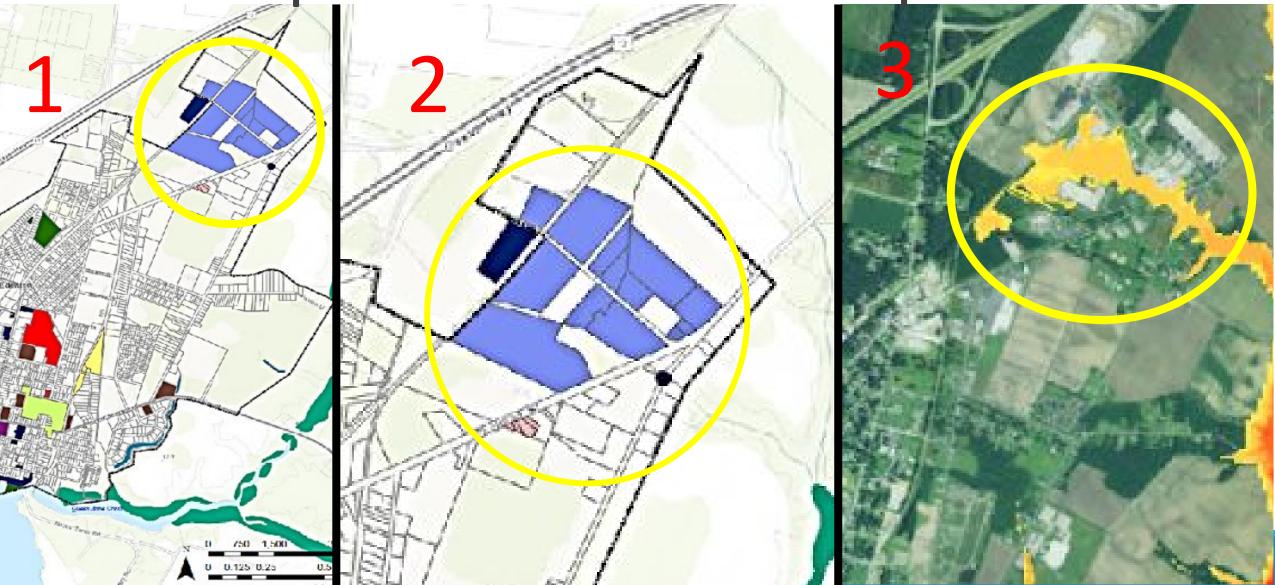
6. Resident Input

- Facilitated workshops or public meetings
- Surveying
- Informal interviews and focus groups

7. Modeling

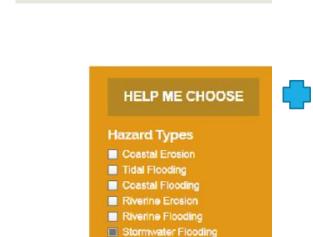


8. Hotspot identification & prioritization



9. Project identification

Edenton example: if commerce center is prioritized



Naturally **RESILIENT** Communities





Green Parking Lots

Green parking lots incorporate permeable or semi-

permeable paving and porous design techniques...









Bioswales are an aesthetically-pleasing alternative to concrete gutters and storm sewers, employing.

Daylighting rivers or streams is the process of







A green roof is a contained vegetated space that is



removing obstructions (such as.

Model Resources

- U.S. Climate Resilience Toolkit Tools Resource Page: https://toolkit.climate.gov/tools
- Community based vulnerability assessment guide: <u>http://www.mdcinc.org/sites/default/files/resources/Community%20Based%20Vulnerability%20Assessment.pdf</u>
- Naturally resilient communities: http://nrcsolutions.org/strategies/?fwp_hazards=coastal

Thank you! Any questions?

You can contact me for additional information or with questions at monica.gregory@ncdenr.gov.





