



Florida Department of Environmental Protection

What's New in the Florida Resilient Coastlines Program?

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Florida Resilient Coastlines Program

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Resilient Coastlines Program

Vision: Florida's coastal communities are resilient and prepared for the effects of rising sea levels, including coastal flooding, erosion and ecosystem changes.

Mission: Synergizing community resilience planning, natural resource protection tools and funding, to prepare Florida's coastline for the effects of climate change, especially rising sea levels.



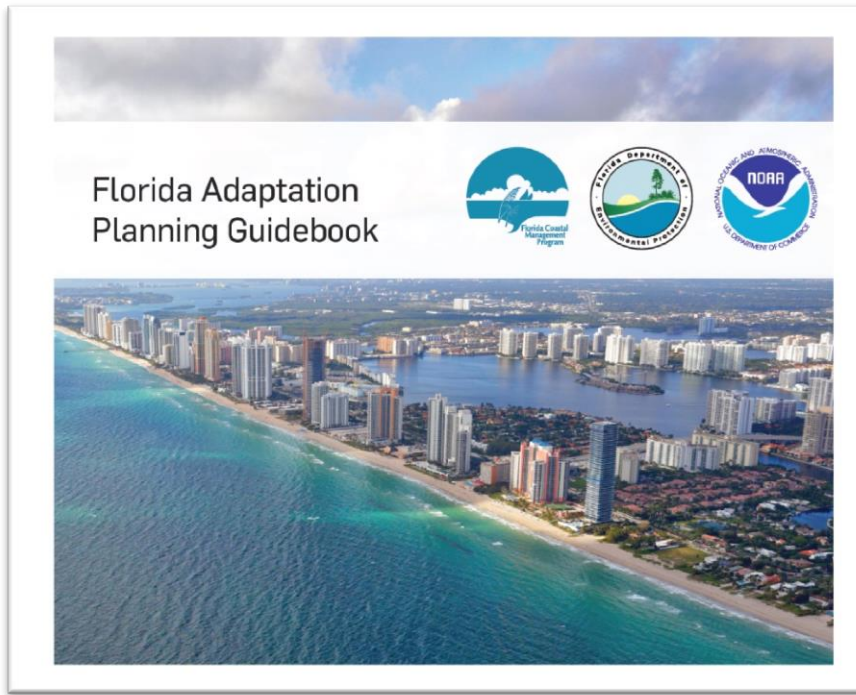
Florida Resilient Coastlines

- **Guidebooks**
- **Funding**
- **Coordination**
- **Website**



Florida Resilient Coastlines

- Florida Adaptation Planning Guidebook
- Updated Resiliency Addendum to PDRP Guidebook





Adaptation Planning Guidebook

Community Resiliency Initiative (2011-2017)

- **Partnership between DEO and DEP** with participation from numerous state agencies, local governments and others
- **30 products** – available on our website; uploaded to CAKE (as a case study) and the Georgetown Adaptation Clearinghouse – covering topics from public participation to adaptation in the context of natural resources
- **Florida Adaptation Planning Guidebook** is the compilation of the best practices developed during the project



Adaptation Planning Guidebook

Purpose:

Provide a framework to develop an initial adaptation plan, or update an existing plan based on current Florida law, requirements, and recommendations

Audience:

Planners in cities and counties of any size



Adaptation Planning Guidebook

TOPICS

- Establishing Context
- Vulnerability Assessment
- Adaptation Strategies
- Implementation of Adaptation Strategies
- Specialty Topics
 - Economic Value of Adaptation Planning
 - CRS and Adaptation
 - Historic and Cultural Resources
 - AAAs to Protect Natural Resources
- Funding Opportunities
- Example VA and Adaptation Plan



Adaptation Planning Guidebook

Steps to Create Adaptation Plans

CONTEXT

- Assemble a steering committee
- Set guiding principles and motivations
- Establish planning area and describe geographic context
- Define public outreach approach and opportunities for community participation

ADAPTATION STRATEGIES

- Assess adaptive capacities
- Prioritize adaptation needs
- Identify adaptation strategies
- Integrate into existing plans



VULNERABILITY ASSESSMENT

- Conduct an exposure analysis
- Conduct a sensitivity analysis
- Assign focus areas

IMPLEMENTATION STRATEGIES

- Assess implementation capabilities
- Create a schedule of activities, actions, and actors
- Monitor and evaluate

Figure 1. Communities can follow this roadmap of steps to create an adaptation plan.



Adaptation Planning Guidebook

Adaptation Planning: Road to Implementation

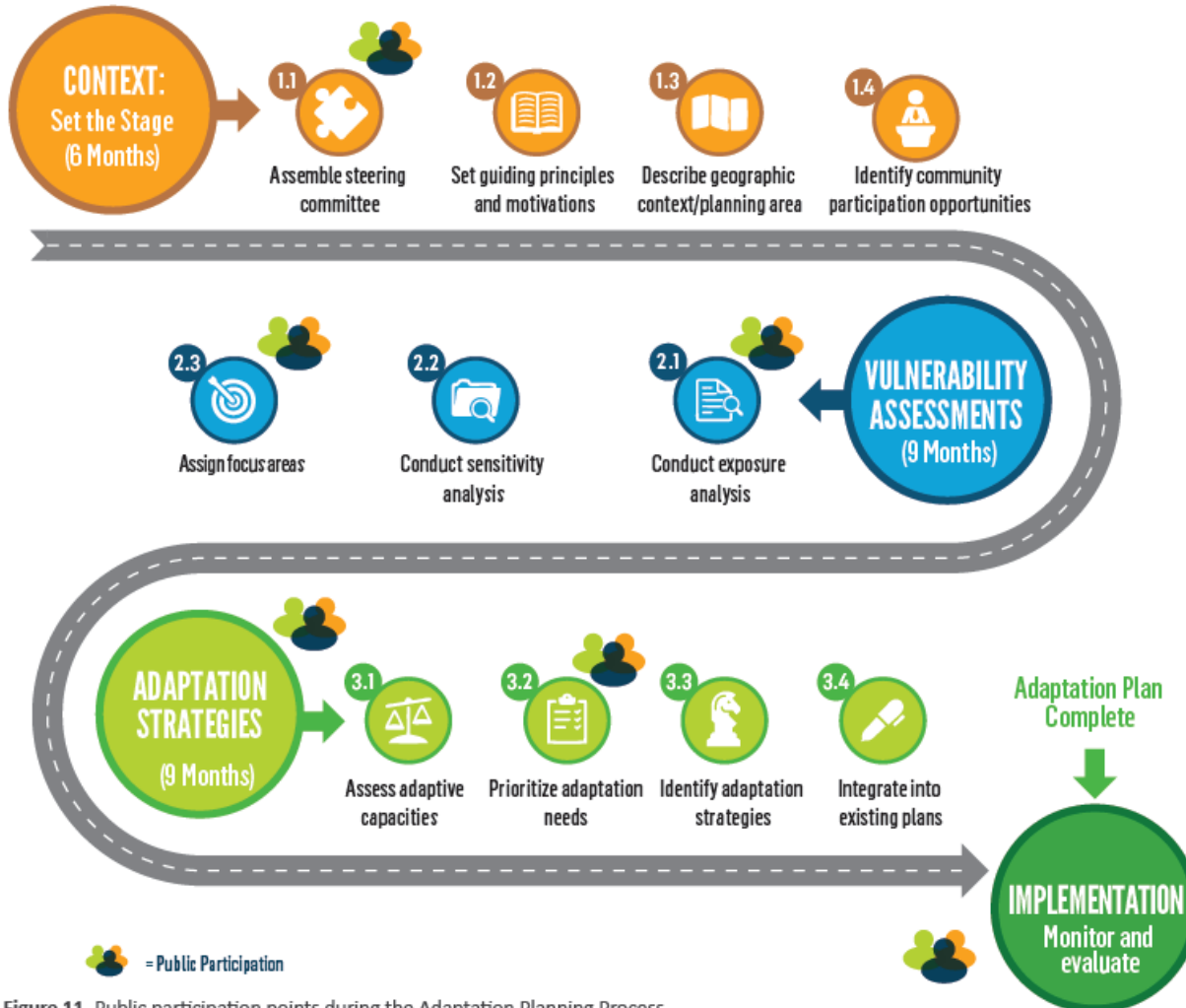


Figure 11. Public participation points during the Adaptation Planning Process.



Adaptation Planning Guidebook

POTENTIAL STEERING COMMITTEE MEMBERS



Figure 5. Potential steering committee members.

⁴Adaptation Planning Stakeholder Outreach & Engagement, pg. 15.



Identify Opportunities for Public Participation OPEN HOUSE

Activity Description: Public awareness outreach

Format: Open house

Preparation, Pre- Activity:

- **General Public** – None
- **Local Representative** – Choose a sea level rise visualizer and database of resources to present, and peruse it. (1 hour)
- **Meeting facilitators** – Prepare salient visualizations of the community available through the visualizer and “talking points” about the upcoming process.

Length: 2 – 4 hours

Approaches: In this activity, community members will be solicited by the project team to attend an informational meeting in which issues will be presented and attitudes gauged. A theme used in a Ft. Lauderdale open house, “This is happening, let’s do something about it,” helped avoid speculation on the causes or reality of coastal changes (See Chapter 4.5 for examples).

Outcome: To engage a segment of the public in person, to spread word about the process, and to attend future decision meetings.

Barriers to Desired Outcome: Poor attendance of event, “Position” attendees who want to debate existence and causes of sea level rise, and lack of participant buy-in to proposed planning effort.

How to Overcome Barriers:

- Ensure that event advertising is widespread and occurs in advance to the scheduled open house. Hold the open house in a prime community location. Have a Facebook event with RSVP tracking (i.e., “going”, “not going”, “maybe”).
- **Avoid “position”, focus on “interest”** – ask participants to clarify their values rather than their position. This will help reach an explanation that is satisfying to all parties.
- **“Bridge and pivot”** – acknowledge comments posed by disruptive attendees, and re-orient the dialogue by segueing back to the topic at hand.

Techniques to engage buy-in:

- **Co-benefits of adaptation planning** – making assets and populations more equipped to deal with flooding will make them more productive and healthier today.
- **Sustainability principles** – satisfy the needs of the present without compromising the ability of future generations to meet their needs.
- **Cutting edge planning** – helping the community to leverage the best planning mechanisms available to improve quality of life.
- **Hazard Planning** – communities already plan for hazards; this set of activities represents an elaboration of flood-based resiliency planning.



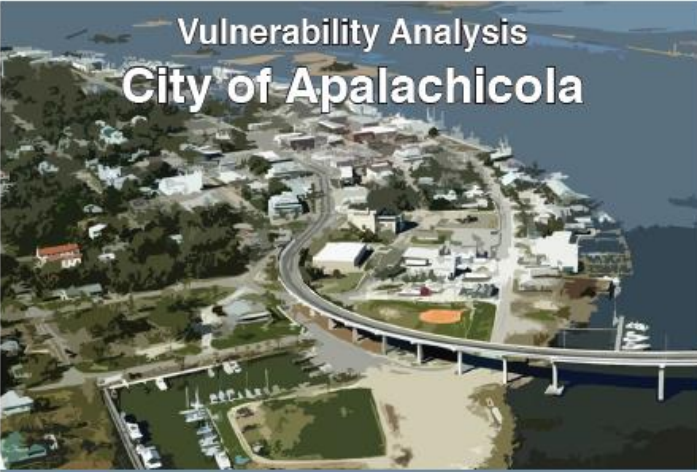




Adaptation Planning Guidebook

- Exposure Analysis
- Sensitivity Analysis
- Data Sources and Tools
- Funding Opportunities
 - Public Outreach
 - Communicating Risk
- Setting Guiding Principles
 - Identifying Stakeholders
- Assessing Adaptive Capacity
- Integration into Existing Plans
- Monitoring and Evaluation



Adaptation Planning Guidebook

Vulnerability Analysis
City of Apalachicola

Florida Community Resiliency Initiative Pilot Project

Adaptation Plan *for St. Augustine, Florida*

May 2017

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Addressing Adaptation During Long-Term Recovery – 2nd Revised Ed.

Statewide PDRP Planning Initiative

- Spurred by hurricane seasons of 2004 and 2005; began in 2007
- Initiative sponsored by DEO, DEM and DEP with funding from NOAA and FEMA
- Purpose: develop planning process that helps communities plan for long-term, disaster-recovery period to ensure they are able to recover faster, more efficiently, maintain local control over recovery and take advantage of opportunities to build back better
- Development included researching redevelopment lessons learned during previous disasters, applying this research and testing the planning process through a series of pilot projects



Addressing Adaptation During Long-Term Recovery – 2nd Revised Ed.

What's new?

- Updated links and references
- Information about the 2015 “Peril of Flood” statute
(Sec. 163.3178(2))
- More information about living shorelines
- Updated informational resources





Addressing Adaptation During Long-Term Recovery – 2nd Revised Ed.

- Understanding the Impacts of Sea Level Rise
- Capacity Assessment and Plan Integration
- Economic Development Strategies
- Local Mitigation Strategies
- Transportation Considerations
- Protection/Accommodation/Relocation-Retreat
- Pre- and Post-Disaster Implementation Considerations
- Decision-Making Triggers





Resilient Coastlines Grants

- **Promote community resilience planning**

- Compliance with “Peril of Flood” statute
- Develop Adaptation Action Areas
- Vulnerability Assessments, Adaptation Plans or Resilience Plans
- Develop relevant decision-support tools, and/or public outreach tools, products or programs that support community resilience planning efforts, including regional collaboration efforts

\$20,000 - \$75,000

Monday, July 30, 2018	Announcement of RPG Posted
Friday, Aug. 10, 2018	Questions with subject line of “RPG Questions” to be emailed to Angel.Baratta@FloridaDEP.gov by 4 p.m. ET
Friday, Aug. 24, 2018	Answers to questions to be posted by 4 p.m. ET
Friday, Sept. 7, 2018	Applications due to FRCP by 4 p.m. ET
Mid October 2018	Notices via email to all applicants on award status
Early December 2018	Contracts to be sent out to selected grantees.



Coastal Resilience Forum

City of Clearwater
City of Ft. Lauderdale
City of Miami Beach
Hillsborough County
Martin County
Miami-Dade County
Monroe County

FRCA Fla Sea Grant

FAPA UF

ECFRPC UF Geoplan

NEFRPC USF

SFRPC FSU

TBRPC FSU CO-APS

WFRPC FSU Law

FDEP NOAA

FDEM NERRs

BRACE FEMA

FWC Audubon Florida

FDOT Florida Climate Institute

FDOS Florida Earth Institute



Sea Turtle Conservancy

TNC

TBEP

GCFI

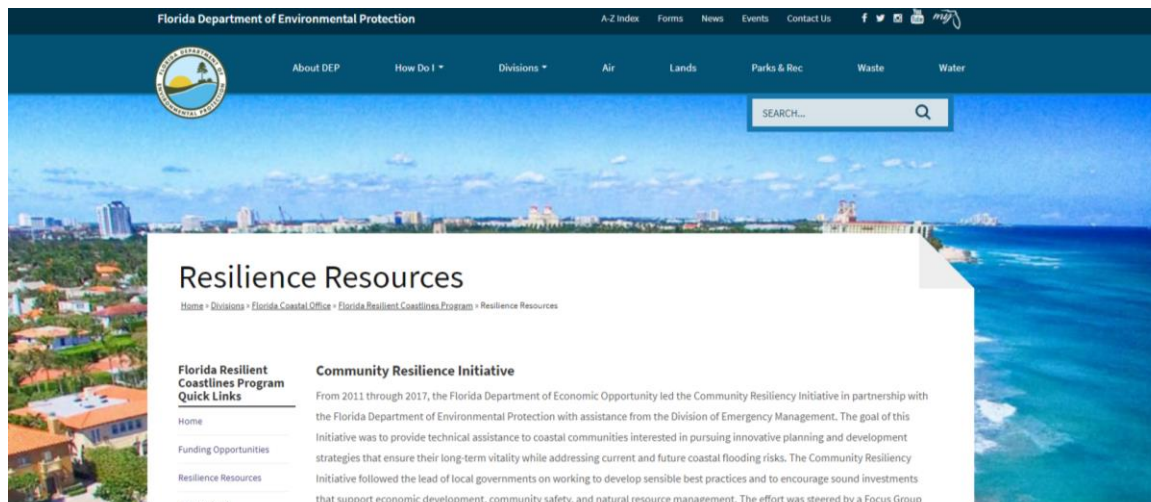
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Website

<https://floridadep.gov/resilience>

- **Funding Opportunities** – timelines, links, forms, contacts
- **Resilience Resources** – CRI docs, FAPG, Tech Asst, External Links to NOAA, EPA, etc.
- **Get Involved** – dates of Coastal Resilience Forum webinars, agendas and notes from prior meetings
- **Funded Projects** – descriptions of prior funded projects





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