



Captiva

Erosion Prevention District

Sea Level Rise Committee

Contributors:

Chairman Silvia
Commissioner Walter
Commissioner Laird

Carrie Schuman
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Statement of Purpose

The purpose of the Sea Level Rise Committee is to collaborate and work with stakeholders and partners on resiliency efforts including vulnerability assessments, adaptation and implementation plans, green infrastructure, and potential cost sharing initiatives between municipalities, counties, and special districts.

Authorization

- The CEPD's powers include monitoring science and data, scoping and engineering design, and the implementation, construction, and maintenance of innovative projects to prevent coastal erosion from Sea Level Rise within the jurisdictional boundaries of the CEPD.
 - Laws of Florida Chapter 2000-399 Section 3
- Task 5: Legal Memo of CEPD Authority (To Be Provided by Erin L. Deady, P.A.) Erin L. Deady, P.A. will prepare a Phase 1 legal memorandum with an assessment of the structure of the CEPD and determination of CEPD's authority to implement sea level rise infrastructure and resilience projects, its jurisdiction over adaptations by private parties on Captiva and existing enforcement mechanisms. Based on the findings of the Phase 1 memorandum, a second phase of work will be proposed, if requested, to assist the CEPD in determining and initiating subsequent legal steps to amend their jurisdiction to support future objectives as desired.

Outline

Monthly Progress

Vendors/Players/Efforts

Sea Level Rise Working Group Proposal

Monthly Objectives

Monthly Progress

- Grants
 - Florida Department of Environmental Protection Awards for Vulnerability Analysis (VA): Sanibel (~\$130K) & Lee County (~\$300K+)
 - Infrastructure Focused
 - Meeting Update: Lee County has picked its consulting firm.
 - Announcement of 2022/23 Grants
 - Planning and Implementation: Open June – September
 - Special Districts are now able to get grants for implementation – signed by the governor.
- Vulnerability Analysis Final Technical Memorandum
 - Outline What Flooding Impacts Will Affect Captiva and When, and What Critical Assets Will Be Affected.

Monthly Progress (Cont'd)

- Phase 1 proposal from APTIM has begun
 - Update Vulnerability Analysis for CEPD Interests
 - Inundation Maps for Various Sea Level Rise Scenarios
 - Future Conditions Vulnerability Presentation
 - Funding Opportunity Identification
 - Legal Memo of CEPD Authority (Provided by Erin L. Deady, P.A.)
 - Resilience Criteria and Standards
 - Preparation of Grant Template for 2022

- Sea Level Rise Working Group Plan

Vendors/Players



APTIM

- Proposal 1: Vulnerability Analysis, resolve CEPD jurisdiction & enforcement powers (~\$60K) (Currently underway)
- Proposal 2: Resiliency Plan on hold while proposal 1 is finalized



Brizaga

- Understand what / when they are doing & usefulness to CEPD/ panel: SLR & Stormwater Management
- Vulnerability Analysis and Resiliency Plan for Captiva



Integral

- Completed Vulnerability Analysis work for Panel: Technical Memorandum complete
- May be involved with Sanibel Vulnerability Analysis



Lee County

- RFP out for Vulnerability Analysis & Resiliency Work

Sea Level Rise Working Method: Proposed

- Stakeholder Committee
 - Objective: Manage and Run the Sea Level Rise Project
 - Report Monthly Status Updates and Directions/Decisions to the CEPD
- Members:



Sea Level Rise Short Term Objectives

- Establish Simple Project Management Methodology for Sea Level Rise
 - Milestones
 - Tasks
 - Action Items
 - Issues
 - Breaking Points
- Confirm Vendors Qualifications for Estuarian Adaptation and Resiliency Planning
 - APTIM, Brizaga, Integral
- Integrate Different Vulnerability Analysis & Resiliency Plan Efforts

Sea Level Rise Short Term Objectives (Cont'd)

- Vulnerability Analysis
 - Aptim – Finish Analysis
 - Assess the Outcome
- Collectively Explore Potential Projects for the Next Round of Resilient Florida Implementation Funds