



CEPD Emergency Maintenance

Comprehensive Management and Emergency Maintenance Plan

Part VII. Emergency Response Plan

Post Storm Activities

Once a damaging storm has occurred, there are a number of activities required to immediately implement the Emergency Response Plan.

Conduct a visual survey of the beach and provide an estimate of losses to FEMA, the Corps of Engineers, FDEP, FDEM and the County Emergency Operations Center (EOC). The decision to declare a Federal disaster is based on the cumulative impact of all reporting communities.

If a disaster is likely to be declared or the threshold is exceeded, perform post storm topographic and bathymetric surveys and analysis to determine the fill volumes and placement locations. The information from the surveys and analysis will be used to finalize the permits, plans and specifications for a dredging contract and make definitive loss reports to the State FEMA and the Corps of Engineers.



Steps to Performing a Beach Nourishment

Based on the District Engineer's recommendation and information provided by emergency agencies, the CEPD board should decide on one of the following courses of action:

- Take no action and wait for natural recovery or routine nourishment to restore the beach.
- Decide on immediate nourishment to begin within 90 days.
- Plan for a deliberate emergency nourishment, subject to eligibility and funding approval to restore storm losses.
- Approve a hot spot nourishment project using an upland sand source.

*For a deliberate planning and construction process the steps are the same as a normal nourishment project.



Steps to Performing a Beach Nourishment

Grant Funding

Currently, the CEPD has obtained \$13.2 million dollars in obligated funding from the Florida Department of Environmental Protection. It is important to note, this funding is simply obligated to the district, it is not cash in hand. The district must spend the money on the project first, in order to be reimbursed for cost of the project.

Additional funding requests are being sought after, but they are of the same reimbursement type of grant. The reimbursement type nature of the grant funding creates the necessity for the district to have enough cash availability to pay for the entirety of a project.

The CEPD does not have enough funding available to pay for this magnitude of a project without funding from a bond loan.



Steps to Performing a Beach Nourishment

Bond Attorney

The CEPD must obtain a new bond council. CEPD staff have sought recommendations for new council, and their proposals will be placed as an agenda item for the February Board Meeting.

Referendum

The necessity to take out a bond loan for funding creates the need to hold a referendum of the registered voters on Captiva. This is a requirement.



Steps to Performing a Beach Nourishment

1999 Referendum

CEPD Staff has sought two legal opinions on the 1999 referendum with CEPD Attorney Ralf Brookes and Nabors, Giblin & Nickerson.

Counsel believes drawing on funds utilizing this referendum would open the district to being challenged legally. The concerns regarding this referendum stem from its age, the change in the constituency over time, and the following verbiage in the 1998 Emergency Management Plan which is referenced in the referendum and has since been updated.

“The referendum will authorize the Board to secure a line of credit, and to sell bonds, for the purpose of implementing the project defined in the Emergency Maintenance Plan, until the next periodic maintenance nourishment project.”



Steps to Performing a Beach Nourishment

Bond Loan Proposals

Following the selection of bond council, the bond loan will need to be placed for competitive bid selection. Potential funding partners have been evaluating the current bill impacting special districts and their ability to take on the additional risks inherent in that bill to provide the necessary funding.

Bidding Document

The bid document must be tailored with realistic timelines to account for the intricacies of performing a project of this magnitude. The bid document must account for any contingencies regarding funding, FWC, and verified for legal sufficiency. The document must be placed for competitive bid for at least 30 days.

Timing

The timing of the bid process is highly dependent on several factors. These include the ability to have the cash flow to begin the project, the impact of sea turtles, and the dredger's ability to perform the work.



Project Milestones

As Found in the Comprehensive Management and Emergency Maintenance Plan APPENDIX B

* - THESE MILESTONES HAVE BEEN IDENTIFIED AS OUT OF ORDER BY STAFF AND HAVE THE NEED AND LEGAL REQUIREMENT TO BE PERFORMED AFTER THE "PERMITTING" AND BEFORE THE "BIDDING" SECTIONS OF THIS TIMELINE.

Monitoring

- Annual/bi-annual surveys as required by permit and physical monitoring plan
- Annual visual inspection of beach per O&M Plan

Permitting

- Maintain multi-year multi-use permit
- Identify and permit new borrow areas

Engineering and Design

- Analyze Hot Spots
- Design beach nourishment
- Prepare preliminary plans and specifications



Project Milestones

Bidding

- Update plans and specifications for bidding purposes
- Bid announcement
- Open bids
- Preconstruction Meeting & Turbidity Monitor Identification
- FDEP Notice to Proceed issued
- Award Contract

Construction

- Pre-construction survey
- Design update based on pre-construction survey
- Mobilization
- Captiva Island Fill Placement
- Post-construction survey and As-built engineering report
- Corps project certification of beach construction
- Corps report of preliminary project cost
- CEPD Engineer Completion and total project cost estimate
- Dune vegetation planting



Project Milestones

Apportionment

- Prepare Apportionment, Engineering and Benefits reports.
- Review, hearings and notice of tentative apportionment plan
- * Referendum
- * Bond
- Final apportionment

Administration

- Update and submit Local Government Funding Request to FDEP.
- Process and obtain approval of Project Cooperation Agreement (PCA or Section 206)
- * Update interlocal agreements
- * Seek local partners to issue a joint bid for multiple projects along the Gulf Coast
- * Negotiate and process funding agreements with State and County
- Request reimbursements



2021 Beach Nourishment Timeline

<https://www.mycepd.com/2021-beach-nourishment-project>



Important Documents

- CHAPTER 2000-399 – House Bill 927
- CEPD Rules of Procedure
- CEPD Standard Operating Procedure
- CEPD Comprehensive Management and Emergency Response Plan

