

**PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS**

WORKSHOP SUMMARY

Meeting Date: March 22, 2011
Department: Environmental Resources Management

I. EXECUTIVE BRIEF

Title: Overview of the County Shore Protection Program and the Singer Island Erosion Control Project.

Summary: This workshop will present the Board with a review of County beach preservation goals, planning, and pending projects, including the Singer Island Project, which is at an important decision making point.

Background and Policy Issues: Of Palm Beach County's 46 miles of coastline, 31 are chronically eroding. The County and its municipal partners actively manage 19 miles of beaches. The preferred methods of shoreline management are sand placement projects such as inlet bypassing, beach nourishment and dune restoration. Along some sections of beach, these alternatives are either ineffective or would result in an unacceptable level of impacts to coastal resources. In these circumstances, erosion control structures are being evaluated as an effective alternative.

The proposed Singer Island Erosion Control Project combines periodic dune restoration with a segmented breakwater consisting of 11 limestone structures along one (1) mile of coastline. A decade of repeated dune restoration efforts on this beach has failed to counteract the continued erosion which threatens sea turtle nesting habitat and leaves the adjacent properties vulnerable to storms. Several feasibility studies and repeated modeling efforts conclude that structures are the best solution for maintaining a stable beach on Singer Island. Periodic dune restoration will help ensure downdrift impacts are minimal and will continue to provide beach quality sand to the entire system as necessary. Structural alternatives along two (2) additional areas of coast are also being evaluated, but are in the preliminary design stage.

Attachments:

1. Singer Island Erosion Control Project
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Recommended by: Richard E. Walsby 3/14/11
Department Director Date

Approved by: for [Signature] 3/17/11
County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2011	2012	2013	2014	2015
Capital Expenditures	_____	_____	_____	_____	_____
Operating Costs	_____	_____	_____	_____	_____
External Revenues	_____	_____	_____	_____	_____
Program Income (County)	_____	_____	_____	_____	_____
In-Kind Match (County)	_____	_____	_____	_____	_____
NET FISCAL IMPACT	_____	_____	_____	_____	_____
# ADDITIONAL FTE POSITIONS (Cumulative)	_____	_____	_____	_____	_____

Is Item Included in Current Budget? Yes _____ No _____
 Budget Account No.: Fund _____ Department _____ Unit _____ Object _____
 Program _____

B. Recommended Sources of Funds/Summary of Fiscal Impact:

No fiscal impact associated with this agenda item

C. Department Fiscal Review:

[Handwritten signature]

III. REVIEW COMMENTS

A. OFMB Fiscal and /or Contract Dev. and Control Comments:

OFMB *[Signature]* 3/17/11
 Contract Development and Control *[Signature]* 3/17/11

B. Legal Sufficiency:

[Signature]
 Assistant County Attorney

C. Other Department Review:

 Department Director

Singer Island Erosion Control Project

