

**PELICAN BAY SERVICES DIVISION
BEACH RENOURISHMENT COMMITTEE MEETING
MAY 31, 2017**

The Beach Renourishment Committee of the Pelican Bay Services Division met on Wednesday, May 31 at 1:00 p.m. at the SunTrust Bank Building, 801 Laurel Oak Drive, Suite 302, Naples, Florida 34108. In attendance were:

Beach Renourishment Committee

Dave Trecker, Chairman
Jacob Damouni (*absent*)

Bohdan Hirniak (*absent*)
Susan O'Brien
Scott Streckenbein (*ex-officio*)

Pelican Bay Services Division Staff

Neil Dorrill, Administrator
Marion Bolick, Operations Manager (*absent*)

Mary McCaughtry, Operations Analyst
Lisa Jacob, Associate Project Manager (*absent*)
Barbara Shea, Recording Secretary

Also Present

Mike Shepherd, PBSB Board
Trent Waterhouse, Pelican Bay Foundation Board

APPROVED AGENDA (AS PRESENTED)

1. Pledge of Allegiance
2. Roll call
3. Agenda approval
4. Audience comments
5. *2017 Pelican Bay beach renourishment
6. Other business
7. Adjournment

** indicates possible action item*

ROLL CALL

Mr. Damouni and Mr. Hirniak were absent and a quorum was established

AGENDA APPROVAL

Ms. O'Brien motioned, Mr. Streckenbein seconded to approve the agenda as presented. The motion carried unanimously.

AUDIENCE COMMENTS

None

2017 PELICAN BAY BEACH RENOURISHMENT

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Dr. Trecker provided a brief history of the beach renourishment responsibility of the PBSB and a summary of 2017 beach renourishment options which included, (1) Do nothing, (2) If the County proceeds with truck haul in 2017, fund renourishment in one or more sections of Pelican Bay beach where the width remains short of the 100-foot county target, or (3) If the County does not conduct a truck haul this year, then go it alone and fund a very costly renourishment for the sections where the width remains short of 100 feet.

Dr. Trecker reported that based on beach survey data conducted by Humiston & Moore, the County has concluded that Collier County beaches, including Pelican Bay beach, are healthy and have increased in width slightly from 2016. He also reported that both our H&M coastal engineer/consultant Dr. Mohamed Dabees and Mr. Gary McAlpin, Manager of Collier County Coastal Zone Management are not recommending 2017 beach renourishment.

Dr. Trecker motioned, Mr. Streckenbein seconded that the Beach Renourishment committee recommend to the PBSB Board that no sand haul renourishment of Pelican Bay beaches be carried out in 2017 and that the PBSB so notify Coastal Zone Management. The motion carried unanimously.

OTHER APPROACHES TO BEACH EROSION TO CONSIDER FOR THE FUTURE

Dr. Trecker provided information on other approaches to beach erosion which are under consideration by the County. One approach has gained recent momentum: a large resiliency project which would extend beach widths to 150 feet, likely use sand sourced from off-shore, and include a price-tag of over \$30 million (excluding the Pelican Bay beach). Dr. Trecker commented that if the County chose to go ahead with this project, the PBSB would be entitled to make an independent decision on whether to participate in the project. Dr. Trecker estimated that the cost for Pelican Bay's participation would likely exceed \$2 million.

The committee discussed and reviewed documentation on PEM (pressure equalization module) and related beach dewatering techniques. Dr. Trecker commented that a study to determine whether the beach is amenable to dewatering would cost \$97,000. Mr. Trent Waterhouse suggested an alternative PEM approach to include (1) skip the study, (2) look to the PBF and PBPOA to fund \$175,000 for PEM installation, (3) obtain a contract with EcoShore whereby no maintenance fees would be paid if the system did not work, and (4) obtain approval from the PBSB board to fund the annual \$200,000 maintenance fees to be paid only if the system was fully functioning. Dr. Trecker suggested that the PBSB look at this option again at the proposed October beach workshop. He also suggested that if a PEM system was installed, the "evaluation of success" process would be very difficult and may take 3-5 years. Mr. Dorrill questioned why (1) there is almost no interest in PEM systems by universities, government agencies, or the DEP, and (2) there are no existing PEM systems operating on U.S. beaches.

PROPOSED OCTOBER WORKSHOP/COMMITTEE MEETING

Dr. Trecker suggested sponsoring an October workshop/Beach Renourishment committee meeting for a community discussion on beaches. Committee members agreed and suggested invitees/speakers should include Dr. Mohamed Dabees (H&M), Mr. Brett Moore (H&M), Mr. Gary McAlpin (Collier County Coastal Zone Management), and one BCC Commissioner (preferably Commissioner Taylor or Commissioner Solis).

OTHER BUSINESS

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Mr. Dorrill commented that the County, in conjunction with the Army Corps of Engineers, is contemplating a big dredging event for Wiggins Pass and Gordon Pass next year.

Mr. Dorrill reported that our dredging contractor has a mini-dredge which could be launched from the kayak/canoe launch facility adjacent to the hotel, without huge mobilization costs, to enable "touch up work" in Clam Pass. He suggested that this idea be discussed further at a future Clam Bay committee meeting.

ADJOURNMENT

The meeting was adjourned at 1:58 p.m.



Scott Streckenbein, PBSB Board Chairman

Minutes approved as presented OR as amended ON 01-03-18 date