



Beach Management Funding Assistance Program
Local Government Funding Request
Fiscal Year 2022/2023
Beach Projects Application
Captiva Island

PART I: GENERAL INFORMATION

Local Sponsor **Captiva Erosion Prevention District**

Federal ID Number (FEID) **59-2349452**

Primary Contact Name **Jennifer I. Nelson** Title **Executive Director**

Mailing Address Line 1 **11513 Andy Rosse Lane, Unit 4**

Mailing Address Line 2 **P.O. Box 365**

City **Captiva** Zip Code **33924** Telephone Number **239.472.2472**

Email Address **jnelson@mycepd.com**

Additional Contact Information

John Riegert
Administrative Director
john@mycepd.com

Daniel Munt
Technical Policy Director
dmunt@mycepd.com

PART II: CERTIFICATION

I hereby certify that all information provided with this application is true and complete to the best of my knowledge.

Signature of Local Sponsor


Electronic or scanned signatures accepted.

Printed Name

Daniel Munt

Date

7/30/2021



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Local Government Funding Request
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Beach Projects Application
Captiva Island

PART III: EVALUATION CRITERIA

1. Project Name: (as listed in the Strategic Beach Management Plan)

Captiva Island Beach Renourishment Project, Lee County, FL (identified in the 2018 Strategic Beach Management Plan as the Lee County Shore Protection Project)

2. Project Description: Include county, location with reference to DEP range monuments, brief project history, and description of proposed activities.

The Captiva Island Beach Renourishment Project is located on the southwest Florida coastline in Lee County. The project includes the periodic nourishment and monitoring of Captiva Island, which also has federal authorization under the Lee County Shore Protection Project. The project area is located between FDEP reference monuments R-83 and R-109 within FDEP designated critically eroded areas and is identified in the FDEP's 2018 Strategic Beach Management Plan.

The project area has received sand during 7 nourishment events dating back to 1961. Of these events, 4 were constructed with federal participation of the U.S. Army Corps of Engineers (USACE) in 1989, 1996, 2006, and 2008. The most recent event was constructed in 2013-14 without USACE participation. The proposed project is permitted under a 15-year multi-use permit (FDEP #0200269-009-JC) issued December 2014. Construction is currently scheduled for Fall 2021 to adhere to the programmed renourishment interval and address impacts from storm events with FEMA support. The three-phased project listed below is proposed as the basis for the current multi-use 15-year permit:

Phase I: Routine nourishment at 8-10 year intervals using offshore borrow areas.

Phase II: Emergency nourishment (including larger hot spots) in response to major storm erosion.

Phase III: Smaller hot spot nourishment using upland sand sources.

The routine renourishment project for a 10-year nourishment interval has an estimated volume of approximately 900,000 cubic yards based on the 2020 surveys, but the actual volume at the time of construction may vary based on final designs and the condition of the beach. A design survey was collected in October 2020 to serve as the basis for development of the plans and specifications. The project went out for bidding in early 2021 and Great Lakes Dredge and Dock was the selected contractor. State funding for this upcoming construction event has already been allocated in Agreement 21LE1. The 2021 project will utilize Borrow Area VI-E located 8-9 miles offshore of the island.

The Redfish Pass ebb shoal was evaluated for potential use as part of the Redfish Pass Inlet Management Study. The final report was submitted to the FDEP in February 2019. The results of



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Local Government Funding Request
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the study have been developed into an Inlet Management Plan (IMP) by the FDEP, which includes dredging the ebb shoal to balance the sediment budget and act a supplemental sand source. The sand search at Redfish Pass was conducted in the summer of 2020 and the final report was completed in September 2020. Pending ongoing coordination, the ebb shoal will be added to the Captiva project as a modification of the existing permits for potential future use consistent with the IMP.

3. Use of Requested Program Funds: Provide a brief description of tasks to be completed in each requested phase (Feasibility, Design, Construction, Monitoring, or USACE Multiphase). Indicate which tasks are cost reimbursement from previous fiscal years.

No funds are requested in FY 22/23 as they are included in FDEP Agreement 21LE1

4. Map: Provide as an attachment. The map(s) of the project area must be formatted at a minimum of 1" = 200' scale and include a compass rose and legend.

5. Project length: Total restored project length (in feet) of the critically eroded area (as listed in the Strategic Beach Management Plan).

Captiva – R-83 to R-109, Approximately 26,611 feet



Beach Management Funding Assistance Program
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Beach Projects Application
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6. Eligibility: Required for all beach projects pursuant to Chapter 62B-36.007, F.A.C. Provide as a separate attachment, if needed.

Location/Name	R- Mon	Type of Access	Width of Access/ Frontage	Total Public Units or Parking Spaces	Additional Width from Eligibility Units	Eligible shoreline (feet)
South Seas Island Resort	R-83 to R-84	Hotel	820	0	0	820
South Seas Island Resort	R-84 to R-86	Hotel	1,997	107	0	1,997
Plantation Beach Club	R-87 to R-88	Hotel	1,177	340	0	540
South Seas Island Resort	R-90 to R-93.5	Hotel	3,487	340	0	1,600
*Hagerup Beach Public Access	R-93.5	Secondary	293	45	2,376	2,669
*Andy Rosse Lane	R-94.6	Secondary	52	6	317	369
Captiva Inn	R-94.6	Hotel	250	18	0	250
Twin Palms	R-95	Hotel	175	15	0	175
*Chapin Lane	R-95.5	Secondary	10	4	211	221
Jensen's	R-96	Motel	76	10	0	76
American Realty of Captiva	R-96	Motel	180	14	0	180
Tween Water	R-99	Motel	800	137	0	800
Turner Beach Park	R-109	Secondary	195	25	1320	1,515
Subtotal						10,578
*Bicycle Racks (16 @ Hagerup Beach & 16 @ Andy Rosse Lane & 16 @ Chapin Lane)						634
Total						11,212
Project Length						26,611
Eligible Shoreline						42.13%
State Cost Share						21.07%



Beach Management Funding Assistance Program
Local Government Funding Request
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Beach Projects Application
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South Seas Island Resort

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=2E853B69628AC3F4695EE714854C0548>

Plantation Beach Club

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=7ACDF1C19F06E804D8BF95EC2941838D>

South Seas Island Resort

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=2E853B69628AC3F4695EE714854C0548>

Captiva Inn

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=7D1D7049FB2E995BE7C2C5AFEC24538D>

American Realty of Captiva

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=587512DF2B87870ED7273249F3A068D0>

Twin Palms

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=3D062F168025E00EF10957276BD31F19>

Jensen's

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=D49DD35D0AB0549F8B70F597C2B0360B>

Tween Water

<https://www.myfloridalicense.com/LicenseDetail.asp?SID=&id=4EBD386A5B393D4ABBE2C0FA58CAD095>



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Beach Projects Application
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7. Schedule and Budget: Provide as a separate attachment, if needed. Clearly indicate project phase: Feasibility (F), Design (D), Construction (C), Monitoring (M), or USACE Multiphase (USACE). Include the year of post-construction monitoring in the description.

- **Cost Reimbursement:** Specify eligible costs incurred during the three years prior to the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed (this includes fiscal years 19/20, 20/21, and 21/22). Eligible costs will be added to the current funding request.
- **Current and Future Costs:** Specify eligible costs for the current application's fiscal year that are not in a current DEP agreement and have not been reimbursed as well as the estimated costs for the next 4 years. Note: If Construction costs are requested in the current fiscal year, then the Year 1 Post-Construction Monitoring costs will be added to the current funding request.

Year	Proposed Method	Description	Total Estimated Cost	Federal Cost Share	Third Party Cost Share	State Cost Share	Local Cost Share	FDEP Agreement #
2022/2023	Monitoring	Physical and Environmental	\$124,000	\$0	\$0	\$26,127	\$97,873	21LE1
2023/2024	Monitoring	Physical and Environmental	\$128,000	\$0	\$0	\$26,970	\$101,030	
2025/2026	Monitoring	Physical and Environmental	\$131,800	\$0	\$0	\$27,770	\$104,030	
2026/2027								
2027/2028	Monitoring	Physical and Environmental	\$139,800	\$0	\$0	\$29,456	\$110,344	
2028/2029								
2029/2030	Monitoring	Physical and Environmental						
2030/2031								
2031/2032								
2031/2033								

Only monitoring funds are requested for FY 22/23 thus, only items 1-7 have been included with this submittal per FDEP.



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Beach Projects Application
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ATTACHMENT 1.
LGFR MAPS

F:\CPM\LGFR\2022 LGFR\LGFR 2022 2023 Captiva\Properties Series 1.mxd



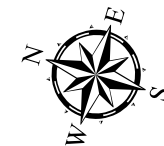
Matchline Figure 2 of 5

Notes:

1. Background imagery is from Lee County, dated January 1 through March 8, 2021.
2. Property classification information was downloaded from Lee County GIS Department, July 27, 2021.
3. 2020 Property lines are from the Florida Department of Revenue.

Legend:

- | | | |
|---------------------------------------|--------------|--------------------|
| ▲ FDEP Monument | Commerical | Recreational |
| — Florida Critical Erosion Areas 2020 | Hotel/Motel | Single Family |
| ----- 1982 ECL | Multi-family | Vacant/Undeveloped |
| □ Property Lines | | |



0 250 500 Feet

1 inch = 500 feet

TITLE:

Local Government Funding Request Shoreline Classification Captiva Island, Florida



APTIM

6401 CONGRESS AVENUE
SUITE 140
BOCA RATON, FL 33487

PH. (561) 391-8102
FAX. (561) 391-9116

Date: 07/27/21

By: HNV

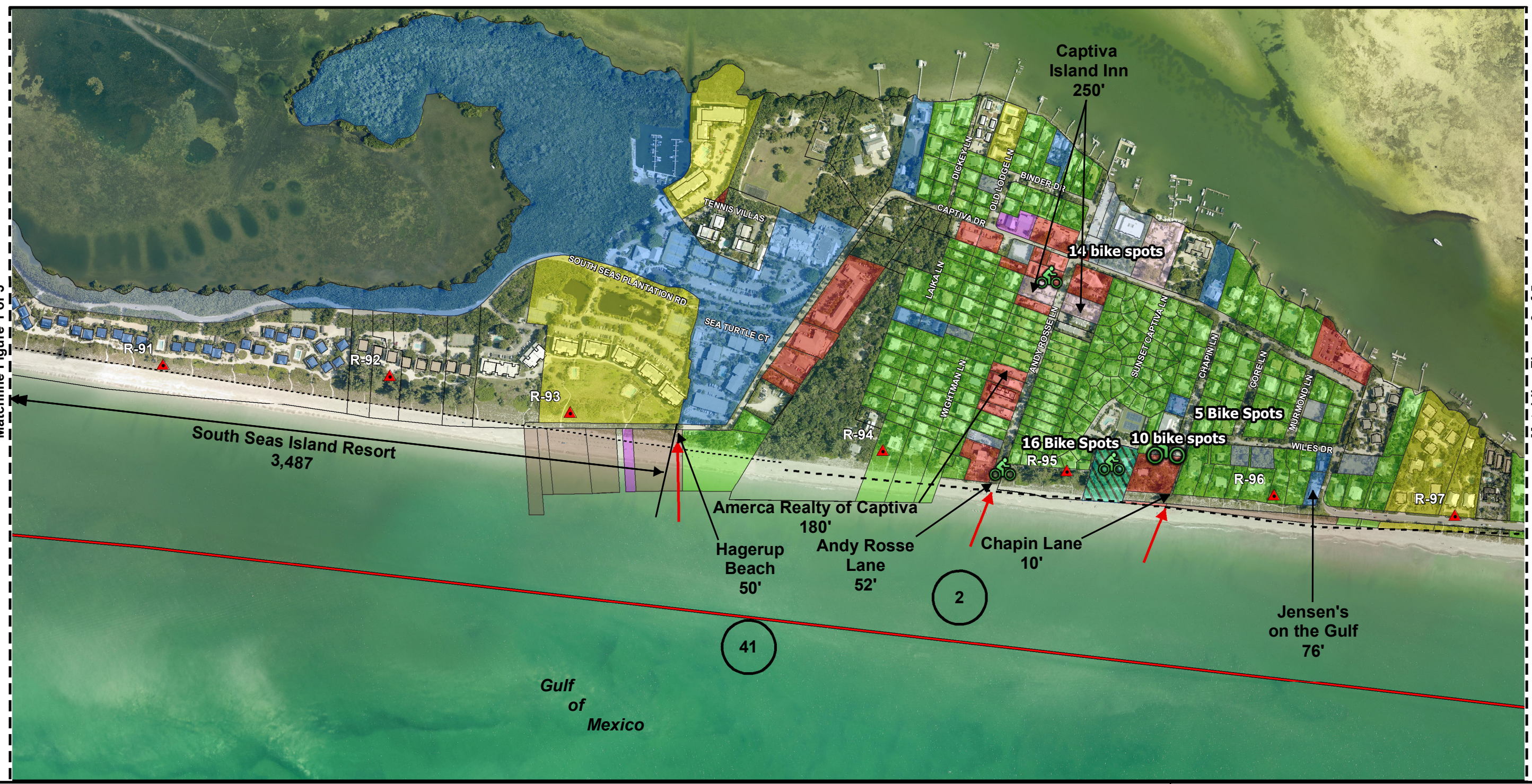
Comm No. : 631021645

Figure 1

F:\CPM\LGFR\2022 LGFR\LGFR 2022 2023 Captiva\Properties Series 2.mxd

Matchline Figure 1 of 5

Matchline Figure 3 of 5

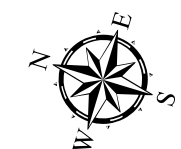


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Legend:

- | | | |
|---------------------------------------|------------------|--------------------|
| ▲ FDEP Monument | Church | Recreational |
| — Florida Critical Erosion Areas 2020 | Commercial | Single Family |
| - - - 1983 ECL | Government Owned | Submerged |
| 1982 ECL | Hotel/Motel | Vacant/Undeveloped |
| → Public Beach Access | Multi-family | |
| 39 Public Parking | | |
| □ Property Lines | | |



0 250 500 Feet

1 inch = 500 feet

TITLE:

**Local Government Funding Request
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Date: 07/27/21 By: HMV Comm No. : 631021645 **Figure 2**

F:\CPM\LGFR\2022 LGFR\LGFR 2022 2023 Captiva\Properties Series 3.mxd

Matchline Figure 2 of 5

Matchline Figure 4 of 5



Notes:

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Legend:

- | | | |
|-------------------------------------|--------------|--------------------|
| FDEP Monument | Commerical | Recreational |
| Florida Critical Erosion Areas 2020 | Hotel/Motel | Single Family |
| 1983 ECL | Multi-family | Vacant/Undeveloped |
| Property Lines | | |



0 250 500 Feet

1 inch = 500 feet

TITLE:
**Local Government Funding Request
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Date: 07/2/21 By: HMV Comm No. : 631021645 **Figure 3**

F:\CPM\LGFR\2022 LGFR\LGFR 2022 2023 Captiva\Properties Series 4.mxd

Matchline Figure 3 of 5

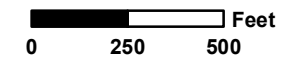
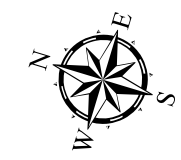


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3. 2020 Property lines are from the Florida Department of Revenue.

Legend:

- | | | |
|---------------------------------------|------------------|--------------------|
| ▲ FDEP Monument | Commerical | Multi-family |
| — Florida Critical Erosion Areas 2020 | Government Owned | Single Family |
| - - - 1983 ECL | Hotel/Motel | Vacant/Undeveloped |
| ➔ Public Beach Access | | |
| □ Property Lines | | |
| Ⓜ Public Parking | | |



1 inch = 500 feet

TITLE:

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Date: 07/27/21 | By: HMV | Comm No. : 631021645 | **Figure 4**



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ATTACHMENT 2.
RESOLUTION

CAPTIVA EROSION PREVENTION DISTRICT

RESOLUTION 2021-17

A RESOLUTION OF THE CAPTIVA EROSION PREVENTION DISTRICT
APPROVING UPDATE TO ROBERTS RULES OF ORDER CURRENT
EDITION; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the CEPD Board has placed this Resolution on a duly noticed agenda,
reviewed, discussed and taken public comment;

WHEREAS, the CEPD Board desires to approve or approve with conditions the following
attachments and course of action

NOW THEREFORE, BE IT RESOLVED by the CAPTIVA EROSION PREVENTION
DISTRICT:

Section 1. The CEPD Board resolves and approves the:

**APTIM : Supplemental Proposal for 2022-2023 LGFR Support
(Attached)**

Section 2. This Resolution shall take effect immediately upon adoption.

DULY INTRODUCED, PASSED AND ENACTED by the CEPD Board of Commissioners
of the CAPTIVA EROSION PREVENTION DISTRICT, on Captiva Island, in Lee County,
Florida on June 28th, 2021.

DocuSigned by:

René Miville

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CEPD Chair, René Miville

ATTEST:

DocuSigned by:

Jennifer I. Nelson

799F04DDC50F44E...

CEPD Executive Director, Jennifer I. Nelson

Approved as to legal sufficiency:

Rafael G. Burke