## FY 2015/16 Local Government Funding Request Beach Management Projects

#### Project Name (Same as previous phase): Rest Beach Renourishment

<u>Project Description: (Should be consistent year to year with annual updates. Include</u> <u>county, location with reference to range monuments, brief project history and upcoming</u> <u>activities.)</u> The project consists of the renourishment of 643 feet of critically eroded Atlantic shoreline located in Key West, Monroe County. The initial restoration of the project was in 1995 with the placement of sand from upland sources, removal of invasives and landscape improvements. The City is currently working to secure FDEP & USACE permits for renourishment which is scheduled for FY2014/15.

<u>Renourishment</u> sand is hauled from a source approved by all permitting agencies. The sand size is a permit condition which helps facilitate turtle nesting and seagrass proliferation.

The City intends to regionalize with the State Division of Parks & Recreation for beach renourishment projects.

<u>Use of Requested Program Funds:</u> Funds will be used for sand placement, seagrass transplantation mitigation and monitoring for the Rest Beach Renourishment project

#### Local Government Contact

Name	Title	Email
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Address 2:Key West, FL 33041		Fax: 305 809-3739

#### Mapping- Maps should be provided as attachments.

Maps should be to scale at a minimum of 1"=200' Mapping elements include:

**X**□ Project Boundary with Critically Eroded Shoreline <u>see attached drawing</u> □ Range Monuments N/A

X□ Beach Access and Parking- Primary and Secondary, including access widths. **Rest Beach has three (3) handicap parking spaces by the walkway adjacent to the** dune.There is additional parking for approximately fifty (50) vehicles across <u>Atlantic Blvd at Indigenous park and parkibg spaces on White St. The beach is</u> <u>100% open for public use.</u>

 $\square$  Public Lodging Establishments- locations and length of property boundaries along project shoreline or street frontage  $\underline{N/A}$ 

 $X\square$  Comprehensive Plan/Current Land Use designations of Commercial and Recreational Facilities and associated property boundaries along the project shoreline.

OBJECTIVE 5-1.3: LAND USE CONTROLS AND CONSTRUCTION STANDARDS FOR PROTECTING THE NATURAL SHORELINE AND THE VERY LIMITED BEACH/DUNE SYSTEM. The City shall not allow any construction of man-made structures on the City's beach, excepting beach access structures compliant with State construction standards. In addition, water dependent structures such as life guard stands or beach renourishment may be constructed if such structures meet the construction standards of federal and state agencies having jurisdiction. Any such construction activity must include measures to restore the beach and vegetation pursuant to a plan approved by the federal and/or state agencies having appropriate jurisdiction. No vegetation shall be removed unless the revegetation shall occur at a ratio 3 to 10 times the affected vegetated areas. The federal and/or state agencies having jurisdiction shall approve the revegetation ratio plan including the threshold for revegetation. The City shall continue to enforce Land Development Regulations which include performance standards designed to protect the limited beach and establish construction standards mandating that no development shall be located seaward of the shoreline, excepting structures approved by the State. The City's natural beach is in public ownership and shall be available for public access.

# Monitoring Measure: Acres of beaches in public ownership, and inclusion of performance standards in the Land Development Regulations.

**Policy 5-1.3.1: Shoreline Setback.** The City shall require minimum coastal setbacks of 10 to 20 feet from the mean high tide line of man-made water bodies and/or lawfully altered shorelines of natural water bodies, dependent on the particular shoreline characteristic.

**Policy 5-1.3.2: Natural Shoreline and Beach/Dune Stabilization.** To protect natural rock outcrops which form most of the City's shoreline as well as the limited beach, shoreline development and access shall continue to be restricted in order to preserve the shoreline and the limited beach. Rigid shore protection structures are not permitted, e xcept when used as part of a comprehensive plan for beach restoration and when non-structural alternatives are not acceptable. When beach renourishment projects are needed, the dune system should be restored, as necessary, utilizing natural, indigenous vegetation. The shoreline setback from natural shorelines shall be 30 to 50 feet dependent upon the particular shoreline characteristic identified in the Land Development Regulations.

**OBJECTIVE 5-1.8:** ACCESS TO PUBLIC BEACH, SHORELINE AND SCENIC VISTAS. Beaches as well as scenic vistas of the shoreline and tidal waters shall remain unobstructed and, to the extent lawful, no barriers shall be erected which prevent pedestrian access along the shoreline

#### Length of Project Boundary in Feet (total restored length)

\_\_\_643 \_\_\_

#### Eligibility: Access Points and Public Lodging Establishments: N/A

Location/Name	Address	R- Mon	Type of Access	Width of Access/ Frontage	Total units	No. units available to Public	Eligible shoreline

(Expand table as needed)

Provide Public Lodging Establishment documentation including proof of licensure.

Year	Proposed	Description	Total	Federal	Third	State Cost	Local Cost
	Method	1	Estimated	Cost	Party Cost	Share	Share
			Cost	Share	Share		
2014/	Construction		\$587,600		\$195,866.67	\$195,866.67	\$195,866.67
2015	Mitigation		\$450,000	0.00	0.00	\$225,000	\$225,000
	Monitoring		\$18,000	0.00	0.00	\$9,000	\$9,000
2015/				0.00	0.00		
2016	Monitoring		\$18,000	0.00	0.00	\$9,000	\$9,000
2016/				0.00	0.00		
2017	Monitoring		\$18,000	0.00	0.00	\$9,000	\$9,000
2017/				0.00	0.00		
2018	Monitoring		\$18,000	0.00	0.00	\$9,000	\$9,000
2018/				0.00	0.00		
2019	Monitoring		\$10,000	0.00	0.00	\$5,000	\$5,000
2019/							
2020	Monitoring						
2020/							
2021	Monitoring						
2021/							
2022	renourishment						
2022/							
2023	monitoring						
2023/							
2024	monitoring						

## Schedule and Budget:

Severity of erosion: Criterion will be calculated by the Department. Please provide narrative and any data that should be considered in addition to the Department's database. Apart from erosion due to Hurricane events, the major erosion component is due to high wave action impacting on the beach face. Another component of erosion is caused by wind force action on the berm and beach face. Once renourished, the beach & berm will require periodic renourishment to maintain the project design dimensions.

Threat to Upland Structures: Criterion will be calculated by the Department. Please provide narrative and any data that should be considered in addition to the Department's database.

N/A

**Recreational and Economic Benefit:** The percentage of linear footage of properties within the project boundaries zoned commercial, recreational, or Public Lodging Establishment, or the equivalent, in the current local government land use map 100%

## **Availability of Federal Funds:**

Is the project federally authorized by WRDA? Provide date of authorization expiration. Does this project phase have a Federal Project Cooperative Agreement, or similar for the phase? Provide a copy of the document. Federal cost share percentage available for this project:	<u>No</u> <u>n/a</u> current <u>n/a</u> _ <u>n/a</u>
Is this project funded through FEMA for storm repairs? Provide a copy of the signed Project Worksheet.	<u>No</u>
<u>Local Sponsor Financial and Administrative Commitment</u> Is funding for the project in the local sponsor's 10-year comprehensive financial plan? Please provide copy or web link to the plan.	No
Is funding provided through a source established by referendum? Please provide a copy or web link to the referendum.	<u>No</u>
Is funding provided by a third party? What is the percentage of total project costs provide by the third party? Please provide a copy of the cost sharing agreement. <b>Agreements attached with amend</b>	Yes 50 nents

Quarterly Report Compliance:

FY2012/2013	End Date	Report Remitted	Compliant (yes/no)
Qtr 1 (Sept)	10/31/2012	8/20/2013	yes
Qtr 2 (Dec)	01/31/2013	8/20/2013	yes
Qtr 3 (Mar)	04/30/2013	8/20/2013	yes
Qtr4 (June)	7/31/2013	8/20/2013	yes

Are there active federal and state permits for the project?			
Federal permit #: Expiration date:			
State permit #:	Expiration date:		

Have local funds been secured for the project?	Yes
Explain: Funds for construction, construction inspection & monitoring are in	the City's
current budget; mitigation funds to be budgeted in upcoming fiscal year 14/15	budget to be
approved October 1, 2014	

In order to acquire state funding, a resolution from the local sponsor must be provided by the application deadline which declares:

• Support from the Sponsor for the Proposed Project

\_\_No\_

- Willingness to serve as the Local Sponsor
- Ability to provide the full Local Cost Share
- And the source of the funding

Please provide copy of the resolution. <u>Resolution to be on August 19,2014 commission</u> agenda

### **Previous State Commitment:**

In 2008 the FDEP entered into a cost-share agreement for funding of the permitting, design and a feasibility study and design & permitting of Rest Beach. The project is recommended in the Strategic Beach Management Plan and located in an area that has been designated as critically eroded shoreline by the FDEP. The City has received final payment for the agreement.

Has the Department previously cost shared, reviewed, and approved a feasibility or design phase for this project? Yes

Previous State Cost Share percentage

Will this project enhance or increase the longevity of a previously-constructed project? How? Yes, this project is based on the last previously-constructed project and provide long-term renourishment

Will this project nourish a previously restored shoreline? (Full beach nourishment. Dune-only projects do not qualify.) Yes

#### **Project Performance:**

Nourishment Interval (Years):

REST B	EACH SAND PLACEM		
<b>YEAR</b>	<b>STORM</b>	<b>QUANTITY</b>	PERMIT
<u>1994</u>	RENOURISHMENT	<u>2600 CY</u>	<u>1994 permit</u>
<u>1995</u>	<u>OPAL</u>	<u>944 tons</u>	90 day field permit
<u>1998</u>	GEORGES	<u>1,604 tons</u>	90 day field permit
<u>1999</u>	IRENE	<u>872 tons</u>	90 day field permit
2005	WILMA	<u>654 tons</u>	90 day field permit
2009	TS FAYE	<u>682 tons</u>	90 day field permit
2012	Winter Erosion	<u>275 tons</u>	90 day field permit

#### Mitigation of Inlet Effects:

**Criterion is calculated by the Department. Please** provide any supplemental information that may assist in determining if the project is located with the area of inlet influence and provides supplemental nourishment for an inlet that is not balancing its sediment budget as defined by the Inlet Management Plan or Strategic Beach Management Plan.

N/A

# Use of Innovative Applications of existing technologies:

Does the project address erosion in a method that is economically competitive with nourishment, that will not adversely affect the conservation of fish and wildlife, including endangered or threatened species, or their habitats, and that is designed to demonstrate an innovative application of existing technologies?

N/A

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Has the project been documented to be effective and demonstrated technologies previously untried in the state?

\_N/A\_\_\_\_\_

## **Regionalization:**

Is this project being planned or constructed in cooperation with another local government to reduce contracting costs? Explain and attach a signed copy of the inter-local agreement between the two local sponsors.

The City is intends to regionalize with the State Division of Parks & Recreation.

## Significance:

What is the volume of advanced nourishment lost since the last sand placement event of a beach restoration or nourishment project as measured landward of the Mean High Water Line?

\_N/A\_

Has the project eroded into the design template? If so, please list those R-monuments. <u>No</u>

What is the proposed placement volume?

7500 CY