

FY2022/2023 Local Government Funding Request

Final Beach Project Assessment

Project Name	Phipps Ocean Park Beach Nourishment
Local Sponsor	Town of Palm Beach

Initial Assessment	8/10/2021
Group Assessment	8/25/2021
Draft Assessment	8/31/2021
Final Review	10/5/2021

Project Description
The Phipps Ocean Park Beach Nourishment Project includes 2.1 miles of shoreline located between DEP monuments R116+390' to R127+87' in Palm Beach County. In 2004, a 3.1-acre artificial reef was constructed to mitigate for impacts to hardbottom resources in advance of the 2006 restoration. A FEMA dune nourishment was completed in 2011 to repair damages sustained during Tropical Storm Fay. The project is included in the 2013 Palm Beach Island Beach Management Agreement Pilot Project. An interim dune nourishment was completed in 2015 in coordination with the Mid-Town Beach project. A full nourishment was completed in 2016, with an expansion of the project limit, and a storm recovery project was completed in 2021. The next nourishment event is scheduled for 2021/2022. The requested funds are for design funds to complete a sand search and delineate borrow areas for the next nourishment event. Staff have determined that 78% of the project is eligible for state cost share.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Design

State cost share %	78.00%
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Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0	\$0	\$0	\$0
Design	39.00%	\$0	\$141,375	\$221,125	\$362,500
Construction	0.00%	\$0	\$0	\$0	\$0
Year 1 Monitoring	0.00%	\$0	\$0	\$0	\$0
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$0	\$141,375	\$221,125	\$362,500

Federal cost share %	0.00%
Federal agency and description	N/A

TOTAL PROJECT SCORE (100 points)	20.1
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Tier 1

Tourism-related impacts

Return on investment (10 points)	Score	0
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Local Sponsor: Project is not requesting construction funds.

Department: Only projects requesting construction funds are eligible for the award of points.

Construction + Year 1 Monitoring Cost: N/A

Value: N/A

Economic impact (10 points)	Score	4
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Local Sponsor: N/A

Department: Palm Beach County, 2020 data. Tourism-related sales tax data = \$98,702,867.75. County sales tax collections = \$1,651,762,761.64

Value: 5.98

Tier 2

Federal involvement

Federal authorization (5 points)	Score	0
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Local Sponsor: No

Department: Verified

Federal cost share (5 points)	Score	0
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Local Sponsor: No

Department: Verified

Federal funds available (5 points)	Score	0
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Local Sponsor: No

Department: Verified

Storm damage reduction benefits

Current conditions (8 points)	Score	1.5
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Local Sponsor: 400,000 cy lost since last nourishment; 2.5 cy/lf historical erosion rate

Department:

The pre-construction and post-construction surveys for the latest 2016 nourishment were not sufficient to measure volume changes throughout the entire project area, specifically between R-116 to R-118. However, at FDEP monuments R-119 to R-127 the survey data does suffice. Utilizing this data and the 2020-August survey data at R-119 to R-127 shows that approximately 30.3% of the fill above MHW remains. The 2021-March post-construction survey shows the recent project increased this to 64.2% remaining. Assuming this percentage would be the same for R-116 to R-118 the percentage of nourishment lost is 35.8%.

CEG calculated value: 35.80%

Threat to upland development (2 points)	Score	0
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Local Sponsor: N/A

Department:

The 2021 beach project will provide protection to upland structures from a 25-year storm, therefore no award of points.

CEG calculated value: 0

Value of upland property (5 points)	Score	3
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Local Sponsor: N/A

Department:

Calculated by Department GIS staff with 2020 data.

Total value: \$1,468,830,038

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	0
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Local Sponsor: 1,000,000 proposed sand volume at 6-8 yr intervals

Department:

Only projects requesting construction funds are eligible for the award of points.

Value: N/A

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	3
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Local Sponsor:

Enhanced longevity, dune addition and regionalization. Based on FDEP Coastal Engineering memo dated Aug 29, 2008

Department:

Proposed project will incorporate a dune restoration, therefore eligible for the award of points for dune addition. The proposed project does not qualify for points for enhanced longevity.

Tier 3

Previous state commitment

Previously funded phases (1 point)	Score	1
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Local Sponsor: Yes

Department: Verified

Total amount of previous funding (3 points)	Score	1.8
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Local Sponsor: N/A

Department: Fiscal year 2012/2013 through 2021/2022

Total funds: \$8,488,350.00

Previous partial appropriation (1 point)	Score	0
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Local Sponsor: No

Department: Verified

Recreational benefits

Accessible beach area (2 points)	Score	0.2
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Local Sponsor: Construction Plans, ATM and Townwide 2020 Physical Monitoring Reports

Department: R-116.5 to R-118.7 is dune restoration with no accessible beach area gained. Utilizing the 2016 pre-construction MHWL and the ECLs the accessible beach area was calculated as 421,552 square feet

Total area: 421,552

Recreational benefits (3 points)	Score	0.6
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Local Sponsor: 20.10%

Department: Verified

Percentage: 20.10%

Mitigation of inlet effects (5 points)	Score	0
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Local Sponsor: FDEP Coastal Engineering memo dated Aug 29, 2008

Department: The Lake Worth Inlet application states that 126% of the bypass objective have been met, thus no mitigation is required.

CEG calculated value: 0

Volume/mile/year (5 points)	Score	0
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Local Sponsor: N/A

Department: Only projects requesting construction funds are eligible for the award of points.

CEG calculated value: N/A

Tier 4

Successive unfunded requests (5 points)	Score	0
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Local Sponsor: Yes, 1 year successive request, includes a construction phase

Department: Received funding for FY17/18 to FY21/22, therefore not eligible for points.

Environmental habitat enhancement (5 points)	Score	0
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Local Sponsor: Not within a designated critical habitat, yes within non-designated area, & BMA

Department: The project is within a designated critical habitat area. 0.4 miles or 19.2% of the project shoreline is armored, which does not meet the threshold of 30% to be considered extensive armoring and is therefore not eligible for the award of points.

Overall readiness to proceed

Readiness to construct (1 point)	Score	1
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Local Sponsor: N/A

Department: Verified

Active permits (1 point)	Score	1
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Local Sponsor: Yes, State (BMA) & Federal (SAJ-2000-00380 (SP-LCK)

Department: Verified

Easements acquired (1 point)	Score	1
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Local Sponsor: Yes

Department: Verified

Local funds secured (1 point)	Score	1
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Local Sponsor: Yes

Department: Signed Resolution dated 7/13/21 submitted with application.

Erosion Control Line established (1 point)	Score	1
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Local Sponsor: Yes

Department: Verified