

FY2023/2024 Local Government Funding Request

Final Beach Project Assessment

Project Name	North County Comprehensive Shore Protection Project - Segment -2 South Jupiter
Local Sponsor	Palm Beach County

Initial Assessment	8/15/2022
Group Assessment	9/1/2022
Draft Assessment	9/14/2022
Final Review	10/20/2022

Project Description
The South Jupiter Shore Protection Project is located between DEP monuments R19 and R26 in Palm Beach County. The proposed project area has no history of beach nourishment. In 2016, a dune restoration was conducted to provide storm protection to A1A/Ocean Blvd. In September of 2017, Hurricane Irma resulted in caused erosion to the dune system. Dune restoration projects were completed in 2021 and 2022. A feasibility study to evaluate various shoreline protection alternatives has been completed. The results of the study support a limited beach nourishment project along this section, for which the County will conduct initial project design with a goal of a comprehensive project incorporating all three segments into a single fill event, thereby reducing project costs and increasing project performance. The requested funds are for design and permitting. Staff have determined that 100% of the project is eligible for state cost sharing.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Design (current & reimbursement for FY 22/23)

State cost share %	50.00%
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Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0	\$0	\$0	\$0
Design	50.00%	\$0	\$190,097	\$190,097	\$380,194
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	\$190,097	\$190,097	\$380,194

Federal cost share %	0.00%
Federal agency and description	

TOTAL PROJECT SCORE (100 points)	24.1
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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:

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

Department:

Palm Beach County, 2021 data. Tourism-related sales tax data = \$146,030,636.69 . County sales tax collections = \$2,069,677,084.20

Value: 7.06

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 federal cost share.

Department: Verified

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

Department: verified

Storm damage reduction benefits

Current conditions (8 points)	Score	8
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Local Sponsor: -33,500 cy y

Department: Beach restoration has not previously been completed for the project area. Therefore, historical MHWL data was used to compute a Mean Shoreline Change Rate of -5.66 ft/yr. This quantity awards a total of 8 points.

CEG calculated value: N/A

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

Department: No properties were found to be vulnerable using the February 2021 survey profiles. Therefore, 0 points are awarded.

CEG calculated value: 0

Value of upland property (5 points)	Score	1.7
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Local Sponsor:

Department: Calculated by GIS with 2021 data.

Total value: \$732,645,033.00

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	0
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Local Sponsor: Project not requesting construction funds.

Department: The project is not requesting construction funds and therefore is not eligible for the award of points.

Value: 0

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	3
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Local Sponsor: None proposed

Department: The project proposes a dune addition and is therefore eligible for the award of 3 points.

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	0.4
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Local Sponsor: N/A

Department: Fiscal year 2013/2014 through 2022/2023

Total funds: \$1,031,480.13

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
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Local Sponsor:

Department: The project has historically been a dune only project so there is insufficient survey data to calculate accessible beach area.

Total area: N/A

Recreational benefits (3 points)	Score	3
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Local Sponsor: Blank

Department: All open space/recreational except one property, "Jupiter Reef Club Timeshares", but zoned as "Public Institutional".

Percentage: 100%

Mitigation of inlet effects (5 points)	Score	0
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Local Sponsor:

Department: Jupiter Inlet sand bypassing activities are meeting the bypassing objective and not eligible for the award of points.

CEG calculated value: N/A

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

Department: The project is not requesting construction funds and therefore is not eligible for the award of points.

CEG calculated value: 0

Tier 4

Successive unfunded requests (5 points)	Score	0
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Local Sponsor: No

Department: Verified

Environmental habitat enhancement (5 points)	Score	0
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Local Sponsor: Blank

Department: The project boundary intersects critical habitat area. 9.0% of the shoreline is armored which is less than the 30% threshold and ineligible for the award of points.

Overall readiness to proceed

Readiness to construct (1 point)	Score	0
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Local Sponsor: N/A

Department:

Active permits (1 point)	Score	1
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Local Sponsor: State 0303863-006-JM (exp 2033)
Fed SAJ-2017-00019(MOD-LCK) (exp (2025)

Department: State and federal permits are active and verified, however a modification to the current state permit will be necessary to complete a limited beach nourishment rather than just dune restoration.

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- Draft resolution submitted with application

Department: Draft resolution submitted with application and therefore eligible for the award of point.

Erosion Control Line established (1 point)	Score	0
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Local Sponsor:

No

Department:

Verified. No ECL R19-R26