

FY2023/2024 Local Government Funding Request

Final Beach Project Assessment

Project Name	North County Comprehensive Shore Protection Project - Segment 3 - Juno
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 Juno Beach Shore Protection Project is located between DEP monuments R26 and R38 in Palm Beach County. This 2.42 mile long section of beach was first nourished in 2001 and subsequently impacted by two hurricanes and a tropical storm in 2004, 2005 and 2008, respectively. The second nourishment was completed in March 2010. This segment of beach was again impacted by two hurricanes in 2017 and 2019. The third nourishment was completed in February 2021. The requested funds are for design. 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

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	\$175,000	\$175,000	\$350,000
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	\$175,000	\$175,000	\$350,000

Federal cost share %	0.00%
Federal agency and description	

TOTAL PROJECT SCORE (100 points)	20.6
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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:

Value: Palm Beach County, 2021 data. Tourism-related sales tax data = \$146,030,636.69 . County sales tax collections = \$2,069,677,084.20
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	0.6
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Local Sponsor: -110,500 cy y (2000-2021)

Department: Beach restoration was completed in February 2021 with the latest survey received by the Department in July 2021. 15.4% of the 360,267 cy of advanced nourishment was lost over this interval for a total score of $-\log(1-0.154) \times 8 = 0.6$ points.

CEG calculated value: 15.4% loss

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

Department: The most recent beach nourishment was completed in February 2021. The design berm remains intact and provides storm damage protection to the upland property from the impacts of a 25 year storm event. Therefore, the project is not eligible for the award of points.

CEG calculated value: 0

Value of upland property (5 points)	Score	2.6
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Local Sponsor:

Department: Calculated by GIS with 2021 data.
Total value: \$1,251,267,882.00

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	0
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Local Sponsor: Project is 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	1.6
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Local Sponsor:

N/A

Department:

Fiscal year 2013/2014 through 2022/2023

Total funds:

\$7,437,500.00

Previous partial appropriation (1 point)	Score	0
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Local Sponsor:

Yes

Department:

Not eligible for award of point, did not receive previous partial appropriation for design task.

Recreational benefits

Accessible beach area (2 points)	Score	0.6
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Local Sponsor:

Department:

CEG utilized the 2009 Pre-Construction MHWL on the seaward side, bound on the landward edge by the ECL. Calculated by GIS.

Total area:

519,806.8 ft²

Recreational benefits (3 points)	Score	2.2
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Local Sponsor:

Blank

Department:

Open space from R26 to R35. $9480/12818 = 73.9\%$

Percentage:

74%

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 intersects critical habitat area. 6.8% of the project length is armored which is less than the 30% threshold and 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: Eligible for the award of point

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: 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- Draft resolution submitted with application

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

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

Department:

Verified