

FY2025/2026 Local Government Funding Request

Final Beach Project Assessment

Project Name	Juno Beach Nourishment Project (Segment III)
Local Sponsor	Palm Beach County

Initial Assessment	8/23/2024
Group Assessment	8/27/2024
Draft Assessment	9/3/2024
Final Review	10/8/2024

Project Description
The Juno Beach Nourishment Project is located between DEP monuments R26 and R38 in Palm Beach County. The 2.42 mile long project was initially restored in 2001 and has been renourished twice since in March 2010 and February 2021. Numerous hurricanes and tropical storms have impacted the area in 2004, 2005, 2008, 2017 and 2019. The most recent impacts include Hurricanes Ian and Nicole in 2002, and several noreasters during the winter of 23/24. The requested funds are for borrow area sand search and design phase 2. 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 (Borrow Area Design and Sand Search, Phase 2- Current)

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	\$262,500	\$262,500	\$525,000
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	\$262,500	\$262,500	\$525,000

Federal cost share %	0.00%
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Federal agency and description	N/A
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TOTAL PROJECT SCORE (100 points)	17.9
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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 point

Construction + Year 1 Monitoring Cost: \$0.00
Value: 0

Economic impact (10 points)	Score	2.9
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Local Sponsor: N/A

Department: Palm Beach County, most current complete calendar data. Tourism-related sales tax data = \$204,654,857.57. County sales tax collections = \$2,365,652,667.00

Value: 8.65

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: N/A

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	1.7
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Local Sponsor: Lost since last sand placement: 350,545 cy
Historical erosion rate: -7.6 cy/ft

Department: Beach nourishment was completed in February 2021 with the latest survey received by the Department in June 2023. 38.77% of the 422,840 cy of advanced nourishment was lost over this interval for a total score of $-\log(1-0.3877) \times 8 = 1.7$.

CEG calculated value: 1.7

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

Department: CEG determined the project protects upland structures from a 25-year storm event.

CEG calculated value: 0

Value of upland property (5 points)	Score	3.4
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Local Sponsor: \$1,839,859,587.00

Department: Calculated by GIS with 2023 data.
Total value: \$1,940,238,480

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	0
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Local Sponsor: Sand placement vol = N/A; nourishment int = 7 years

Department: Only projects requesting construction funds are eligible for the award of points.
Value: 0

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	0
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Local Sponsor: Regionalization

Department: Regionalization is not qualified. Department has verified not eligible for 3 points

Tier 3

Previous state commitment

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

Department: The department has previously provided cost-share on an approved feasibility study or design phase for this project.

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

Department: Fiscal year 2015/2016 through 2024/2025

Total funds: \$8,378,610.00

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

Department: No partial appropriations in 3 previous fiscal year applications, not eligible for the award of point.

Recreational benefits

Accessible beach area (2 points)	Score	0.9
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Local Sponsor: 519,806.8 ft²

Department: Calculated by CEG/GIS Staff

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 sq/ft

Recreational benefits (3 points)	Score	1.2
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Local Sponsor: 74%

Department: R26 to R27+275 (1,275 ft), R30-R36.6 (600 ft), R31 Juno Pier (237 ft), Loggerhead Beach Park +Open Space (2,996 ft). Total 5,108 ft/12,834 ft= 39.0%

Percentage: 39.0%

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

Department: The project is within the influence of the Jupiter Inlet, which is meeting the bypassing objectives within the IMP. Therefore not eligible for the award of points.

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: 0

Tier 4

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

Department: Verified no successive unfunded requests. Not eligible for award of points.

Environmental habitat enhancement (5 points)	Score	0
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Local Sponsor: N/A

Department: The project boundary intersects critical habitat area. The shoreline is 5.8% armored which is less than the 30% threshold. Therefore, the project is not eligible for the award of 3 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 additional point

Active permits (1 point)	Score	1
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Local Sponsor: State: 0303863-006-JM (exp 06/08/2033)
Fed: SAJ-2017-00019(MOD-LCK) (exp 09/19/2025)

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: Signed Resolution was submitted by application deadline.

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

Department:

Verified