

FY2025/2026 Local Government Funding Request

Final Beach Project Assessment

Project Name	Singer Island Dune Nourishment Project
Local Sponsor	Palm Beach County

Initial Assessment	8/23/2024
Group Assessment	8/26/2024
Draft Assessment	9/3/2024
Final Review	10/8/2024

Project Description
The Singer Island Dune Restoration Project is located between DEP monuments R60.6 and R66.8 in Palm Beach County. The 1.34 mile project has conducted at least fourteen dune nourishments since 2001. Dune nourishment events are planned to continue under Coastal Construction Contral Line (CCCL) permitting on a biennial basis. The requested funds are for dune restoration, installation of native dune places and sand fence, and EFO-required biological monitoring. Additional funds requested for anticipated FY25/26 maintenance and storm repair. Staff have determined that 71.72% of the project is eligible for state cost sharing.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Construction (Dune Maintenance- Current; & El Nino Dune Maintenance- cost reimbursement for FY24/25) and Monitoring (Permit Required Monitoring- Current & cost reimbursement for FY24/25).

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	0.00%	\$0	\$0	\$0	\$0
Construction	35.86%	\$0	\$1,661,377.34	\$2,971,576.77	\$4,632,954.11
Year 1 Monitoring	35.86%	\$0	\$86,064.00	\$153,936.00	\$240,000.00
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$0	\$1,747,441.34	\$3,125,512.77	\$4,872,954.11

Federal cost share %	0.00%
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Federal agency and description	N/A
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TOTAL PROJECT SCORE (100 points)	35.6
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Tier 1

Tourism-related impacts

Return on investment (10 points)	Score	6.4
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Local Sponsor: Project is requesting construction funds.

Department: Only projects requesting construction funds are eligible for the point

Construction + Year 1 Monitoring Cost: \$1,747,441.34

Value: 117.1

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: 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	8
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Local Sponsor: Lost since last nourishment- 38,070 cy /yr
Historical erosion rate- 28,590 cy/yr

Department:

Emergency beach nourishment was completed in 2023 with the latest survey received by the Department in 2024. 136.44% of the 37,789.4 cy of advanced nourishment was lost over this interval for a total score of 8 points.

CEG calculated value: 8

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	3.2
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Local Sponsor: \$1,683,757,007.00

Department: Calculated by GIS with 2023 data.

Total value: \$1,671,700,268.00

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	0.5
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Local Sponsor: Sand placement vol = 38,070 cy; nourishment int = 2 years

Department: Construction cost = \$4,632,954.11, volume = 38,070 cy, length = 7,091 ft,
nourishment interval = 2 yrs
Value: 45.3077

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

Department: Proposed project does not qualify for regionalization. Dune addition has been
verified by the Department and 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	0.8
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Local Sponsor: N/A

Department: Fiscal year 2015/2016 through 2024/2025
Total funds: \$1,449,225.62

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
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Local Sponsor: N/A

Department: Calculated by CEG/GIS Staff (Dune Project)
Total area: 0 sq/ft

Recreational benefits (3 points)	Score	0
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Local Sponsor: 0%

Department: J.D. MacArthur Beach State (0 ft), Ocean Reef Park (0 ft). Total 0 ft/7,091 ft= 0%
Percentage: 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 Lake Worth 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	1.8
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Local Sponsor: N/A

Department: Volume = 38,070 cy, Length = 7,091 ft,
Nourishment Interval = 2 yrs

CEG calculated value: 14,173.57

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	5
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Local Sponsor: The project is within a designated critical habitat area that is subject to extensive shoreline armoring.

The beachfront community has an updated lighting ordinance for sea turtle protection, and the project consists entirely of a substantial dune feature with turtle-friendly slopes.

Department: The project boundary intersects critical habitat area. The shoreline is 45.7% armored which is greater than the 30% threshold. Therefore, the project is eligible for the award of 3 points.

The adopted light ordinances are verified and eligible for the award of 2 additional points.

Overall readiness to proceed

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

Department:

Ineligible for the award of additional point

Active permits (1 point)	Score	0
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Local Sponsor:

No

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