

FY2025/2026 Local Government Funding Request

Final Beach Project Assessment

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

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

Project Description
The Phipps Ocean Park Beach Nourishment Project is located between DEP monuments R118.7 and R126 in Palm Beach County. The 1.44 mile long project received an artificial reef construction prior to its first restoration in 2006. Dune nourishments followed in 2011 and 2015, with the next full nourishment occurring in 2016. In 2013, the project was included in the FDEP Palm Beach Island Beach Management Agreement Pilot Project. A storm recovery project was completed in 2021. The requested funds are for the winter 24/25 renourishment to supplement expected FEMA and State Recovery Act funds from Hurricane Nicole. 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)
Construction (Renourishment- Cost reimbursement for FY24/25)

State cost share %	38.56%
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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	38.56%	\$7,000,000	\$7,472,928	\$11,907,072	\$26,380,000
Year 1 Monitoring	0.00%	\$0	\$0	\$0	\$0
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$7,000,000	\$7,472,928	\$11,907,072	\$26,380,000

Federal cost share %	0.00%
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Federal agency and description	FEMA
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TOTAL PROJECT SCORE (100 points)	32.1
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Tier 1

Tourism-related impacts

Return on investment (10 points)	Score	3.2
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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: \$7,472,928.00

Value: 27.4

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 = \$23,65,652,667.00

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: FEMA PW Pending approx \$7 million

Department: Verified

Storm damage reduction benefits

Current conditions (8 points)	Score	2.4
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Local Sponsor: See annual monitoring report

Department: Beach nourishment was completed in April 2021 with the latest survey received by the Department in July 2023. 49.37% of the 183,906.2 cy of advanced nourishment was lost over this interval for a total score of $-\log(1 - 0.4937) \times 8 = 2.4$.

CEG calculated value: 2.4

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	2.9
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Local Sponsor:

Department: Calculated by GIS with 2023 data.

Total value: \$1,662,773,797

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	3.3
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Local Sponsor: Sand placement vol = 700,000 cy; nourishment int = 6-8 years

Department: Construction cost = \$26,380,000.00, volume = 700,000 cy, length = 1.44 mi,
nourishment interval = 7 yrs
Value: 3.7496

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

Department: Dune addition has been verified by the Department and eligible for 3 points
No evidence provided for innovative technology and regionalization

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	1.9
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Local Sponsor: N/A

Department: Fiscal year 2015/2016 through 2024/2025
Total funds: \$10,350,045

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

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	0.8
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Local Sponsor: See Townwide 2023 Physical Monitoring Report

Department: Calculated by CEG/GIS Staff

Total area: 421,552 sq/ft

Recreational benefits (3 points)	Score	1.1
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Local Sponsor: 85.70%

Department: Phipps Ocean Park (1225 ft), Palm Beach Par 3 Golf Course (1925 ft), Ambassador II (290 ft), Four Seasons (500 ft), Tideline (200 ft). Total 4,140 ft/10,996 ft= 37.65%

Percentage: 37.7%

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

Department: Project is not within an area of inlet influence, therefore not eligible for the award of points.

CEG calculated value: 0

Volume/mile/year (5 points)	Score	4.6
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Local Sponsor: N/A

Department: Volume = 700,000 cy, Length = 7,581 ft,
Nourishment Interval = 7 yrs

CEG calculated value: 69,647.80

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: The project is not within a non-designated critical habitat area that is subject to extensive shoreline armoring.
The FDEP Beach Management Agreement (BMA), signed by FWC, addresses best management practices for sea turtle nesting.

Department: The project boundary intersects critical habitat area. The shoreline is 8.9% 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: BMA
Fed: SAJ-2000-00380 (SP-LCK) (exp 11/10/2025)

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, signed resolution will be submitted prior to 9/23/2024 deadline.

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