

FY2025/2026 Local Government Funding Request

Draft Beach Project Assessment

Project Name	Mid-Town Beach Nourishment Project
Local Sponsor	Town of Palm Beach

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

Project Description
The federally authorized Mid-Town Beach Nourishment Project is located between DEP monuments R89 and R102 in Palm Beach County. The 2.83 mile project was first restored in 1995 and has received five additional nourishments since. Eleven groins were constructed in 1996, along with one additional groin in May 2018. Federal Emergency Management Agency (FEMA) funds in 2006 were used in response to 2004-2005 hurricane seasons, and again in FY2010-2011 to repair dune damages by Tropical Storm Fay. The Town signed a Project Partnership Agreement with the U.S. Army Corps of Engineers (USACE) in 2019. The most recent nourishment occurred between March and May 2020. The requested funds are for state and federal permitting for Reach 5 and IPA for the upcoming FCCE repair project. Additional funds are requested for local sponsor activities during the upcoming FCCE repair project such as permit compliance tasks, oversight and post-construction reporting and mitigation reef construction. Staff have determined that 95.82% 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 (Reach 5 Permitting- Current) and Construction (FCCE Repair IPA, Permit Compliance & Mitigation Reef- Current).

State cost share %	47.91%
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Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0	\$0	\$0	\$0
Design	47.91%	\$0	\$479,100	\$520,900	\$1,000,000
Construction	47.91%	\$0	\$814,470	\$885,530	\$1,700,000
Year 1 Monitoring	0.00%	\$0	\$0	\$0	\$0
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$0	\$1,293,570	\$1,406,430	\$2,700,000

Federal cost share %	50.30%
Federal agency and description	USACE (Construction); FCCE (Construction)

TOTAL PROJECT SCORE (100 points)	53.6
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Tier 1

Tourism-related impacts

Return on investment (10 points)	Score	9.1
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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: \$814,470.00

Value: 251.3

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	5
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Local Sponsor: Yes

Department: Verified

Federal cost share (5 points)	Score	3.9
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Local Sponsor: 50.30%

Department: Verified

Federal funds available (5 points)	Score	0
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Local Sponsor: USACE

Department: Verified

Storm damage reduction benefits

Current conditions (8 points)	Score	2.4
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Local Sponsor: Historical erosion rate- 2.5 cy/lf

Department: Beach nourishment was completed in May 2020 with the latest survey received by the Department in July 2023. 49.3% of the 283,995.4 cy of advanced nourishment was lost over this interval for a total score of - $\log(1-0.493) \times 8 = 2.4$.

CEG calculated value: 2.4

Threat to upland development (2 points)	Score	0.3
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Local Sponsor: N/A

Department: The SBEACH model was run using July 2023 survey profiles for the 25-year return interval storm conditions for the beach segments. The model results were overlaid on aerial imagery and showed 475.7 feet of unarmored property was threatened. This equates to 3.186% of the project length. Hence, the value for threat to upland development is 0.3 points.

CEG calculated value: 0.319

Value of upland property (5 points)	Score	4.6
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Local Sponsor:

Department: Calculated by GIS with 2023 data.

Total value: \$12,642,802,363

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	8.6
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Local Sponsor: Sand placement vol = 1,000,000 cy; nourishment int = 6-8 years

Department: Construction cost = \$1,700,000, volume = 1,000,000.00 cy, length = 2.83 mi, nourishment interval = 7 yrs

Value: 0.0859

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	0
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Local Sponsor: None Proposed

Department: Not eligible for award of of 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	2.6
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Local Sponsor: N/A

Department: Fiscal year 2015/2016 through 2024/2025
Total funds: \$16,543,738

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	1.4
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Local Sponsor: N/A

Department: Calculated by CEG/GIS Staff (24/25 LGFR Assessment)
Total area: 758,264

Recreational benefits (3 points)	Score	1.2
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Local Sponsor: 96.60%

Department: Wells Road and Dunbar Roads (100 ft), Root Trail (25 ft), Sunset Ave (48 ft), Clark Ave Public Beach (670 ft), Breakers Hotel (2640 ft), Municipal Beach (2716 ft). Total 6199/14930 = 41.5%
Percentage: 41.5%

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	3.6
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Local Sponsor: N/A

Department: Volume = 1,000,000 cy, Length = 14,930 ft,
Nourishment Interval = 7 yrs
CEG calculated value: 50,521.48

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 not within a 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 94.5% armored which is greater than the 30% threshold. Therefore, the project is eligible for the award of 3 points.
The adopted sea turtle practices 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: State: BMA
Fed: SAJ-1995-03779 (SP-LCK) (NA)

Department: Verified, no active federal permit

Easements acquired (1 point)	Score	1
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Local Sponsor: Yes

Department: Verified

Local funds secured (1 point)	Score	0
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Local Sponsor: Yes, signed resolution will be submitted prior to 9/23/2024 deadline.

Department:

Draft Resolution was not submitted by application deadline.

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

Yes

Department:

Verified