

FY2022/2023 Local Government Funding Request

Final Beach Project Assessment

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

Initial Assessment	8/10/2021
Group Assessment	8/25/2021
Draft Assessment	8/31/2021
Final Review	10/5/2021

Project Description
The Mid-Town Beach Nourishment includes 2.8 miles of shoreline between DEP monuments R89 and R102 in Palm Beach County. Restoration was completed in 1995 from R95 to R100 and included the construction of 11 groins which were completed in 1996. In 2003, nourishment was completed for an extended shoreline length between R90.4 and R101.4. The project was nourished using FEMA funds in 2006 in response to the 2004/2005 hurricane seasons, and again in 2011 to repair dune damages sustained during Tropical Storm Fay. The project was included in the 2013 Palm Beach Island Beach Management Agreement Pilot Project. The next nourishment was completed in 2015, extending the project tapers on both ends and reducing the overall project volume density. Construction of an additional groin at R99 was completed in 2018. The most recent nourishment was completed in 2021, and this was the first nourishment completed with federal cost sharing. The Town signed a Project Partnership Agreement with the USACE in 2019 to have the Mid-Town Segment included within the Palm Beach County Federal Shore Protection Project. The requested funds are for design activities to complete a sand search and delineate borrow areas for the next nourishment event. Staff have determined that 81.9% of the project is eligible for state cost share.

Funds will be used for (list project phase, specify which phase is reimbursement, if applicable)
Design

State cost share %	40.95%
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Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0	\$0	\$0	\$0
Design	40.95%	\$0	\$148,444	\$214,056	\$362,500
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	\$148,444	\$214,056	\$362,500

Federal cost share %	0.00%
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Federal agency and description	N/A
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TOTAL PROJECT SCORE (100 points)	26.9
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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: Verified and not eligible for the award of points.

Construction + Year 1 Monitoring Cost: N/A

Value: N/A

Economic impact (10 points)	Score	4
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Local Sponsor: N/A

Department: Palm Beach County, 2020 data. Tourism-related sales tax data = \$98,702,867.75. County sales tax collections = \$1,651,762,761.64

Value: 5.98

Tier 2

Federal involvement

Federal authorization (5 points)	Score	0
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Local Sponsor: Yes, USACE - 2019 to 2068, Project has a signed PPA

Department: The Project Partnership Agreement is required to verify authorization and points can only be awarded if applicable for the proposed project phase.

Federal cost share (5 points)	Score	0
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Local Sponsor: Yes, 50.3%

Department: The Project Partnership Agreement is required to verify federal cost share and points can only be awarded if applicable for the proposed project phase.

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

Department: The Project Partnership Agreement is required to verify federal funding status and points can only be awarded if applicable for the proposed project phase.

Storm damage reduction benefits

Current conditions (8 points)	Score	0
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Local Sponsor: Yes, Project completed in April 2020; based on 2.5 cy/lf historical

Department: The project area was nourished in May 2020 and the latest survey available is the post-construction survey of August-2020. No advanced nourishment has been lost.

CEG calculated value: 0

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

Department: The recent nourishment project is protecting upland development from a 25-year storm. Also, this segment of Palm Beach County is almost completely protected by existing armoring, except for Clarke Ave, where a dune and pocket beach provide minimal protection from erosion of a 25-year storm, therefore no points awarded.

CEG calculated value: 0

Value of upland property (5 points)	Score	4.8
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Local Sponsor: N/A

Department: Calculated by Department GIS staff with 2020 data.
Total value: \$6,569,216,374

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	0
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Local Sponsor: Yes, 900,000 proposed volume every 6-8 yrs

Department: Only construction projects eligible for the award of points.

Value: N/A

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	3
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Local Sponsor: None proposed

Department: Application is for a sand search for the next project which will include dune restoration. None of the other cost-effectiveness criteria have been proposed, but eligible for the award of points for dune addition.

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	2.7
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Local Sponsor: N/A

Department: Fiscal year 2012/2013 through 2021/2022

Total funds: \$16,955,080.71

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

Department: Verified

Recreational benefits

Accessible beach area (2 points)	Score	0.4
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Local Sponsor: Construction Plans, ATM and Townwide 2020 Physical Monitoring

Department: The design from the 2004 CPE reports shows the design MHWL relative to the 2004 survey. Utilizing this results in an average MHWL 56.2 feet seaward of the ECLs, thus the accessible beach area is 837,380 square feet.

Total area: 837,380

Recreational benefits (3 points)	Score	1
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Local Sponsor: 32.80%

Department: Verified

Percentage: 32.80%

Mitigation of inlet effects (5 points)	Score	0
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Local Sponsor: FDEP Coastal Engineering memo, dated Aug 29, 2008

Department: The Lake Worth Inlet application states that 126% of the bypass objective have been met, thus no mitigation is required and no points awarded.

CEG calculated value: 0

Volume/mile/year (5 points)	Score	0
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Local Sponsor: N/A

Department: Only construction projects eligible for the award of points.

CEG calculated value: N/A

Tier 4

Successive unfunded requests (5 points)	Score	0
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Local Sponsor: Yes, 2+ yrs

Department: Received funding from FY17/18 to FY21/22, therefore not eligible for the award of points.

Environmental habitat enhancement (5 points)	Score	5
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Local Sponsor: Yes project within non-designated area; BMA - address BMP sea turtle nesting

Department: Project is within a designated critical habitat area. 2.53 miles or 89.7% of the project shoreline is armored, which exceeds the threshold for extensive armoring at 30%, so eligible for the award of 3 points. The Beach Management Agreement exceeds best management practices for sea turtle monitoring and therefore an additional 2 points are awarded.

Overall readiness to proceed

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

Department: Eligible for the additional point.

Active permits (1 point)	Score	1
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Local Sponsor: Yes, State (BMA) and Federal (SAJ-1995-03779 (SP-LCK)

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 - dated 7/13/2021 - submitted.

Department: Verified

Erosion Control Line established (1 point)	Score	1
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Local Sponsor: Yes, ECL survey & hearing conducted in 2021, awaiting recording

Department: Verified and eligible for points as the ECL has been recorded.