

FY2023/2024 Local Government Funding Request
Final Beach Project Assessment

Project Name	Brevard County South Beaches Dune Restoration Project
Local Sponsor	Brevard County

Initial Assessment	8/15/2022
Group Assessment	9/2/2022
Draft Assessment	9/14/2022
Final Review	10/20/2022

Project Description
The Brevard County South Beaches Project is located between DEP monuments R- 141 and R- 202. Since initial construction, eight nourishments have been constructed between 2006 and 2021. The requested funds are for construction and 1st year post- construction monitoring. Staff have determined that 59.40% 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 and first year post construction monitoring

State cost share %	29.70%
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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	29.70%	\$0	\$1,722,600	\$4,077,400	\$5,800,000
Year 1 Monitoring	29.70%	\$0	\$89,100	\$210,900	\$300,000
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$0	\$1,811,700	\$4,288,300	\$6,100,000

Federal cost share %	0.00%
Federal agency and description	N/A

TOTAL PROJECT SCORE (100 points)	24.3
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Tier 1

Tourism-related impacts		
Return on investment (10 points)	Score	3.3

Local Sponsor: Project is requesting construction funds.

Department: The project is requesting construction and first year monitoring funds.

Construction + Year 1 Monitoring Cost: \$6,100,000.00

Value: 21.9

Economic impact (10 points)	Score	2.4
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Local Sponsor: N/A

Department: Brevard County, 2021 data. Tourism-related sales tax data = \$39,669,288.23. County sales tax collections = \$637,574,301.31
Value: 6.22

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	0
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Local Sponsor: 1 foot per year bluff retreat (Olsen 2007)

Department: The project is a dune project and therefore not eligible for the award of points.

CEG calculated value: 0

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

Department: No properties are vulnerable to a 25 year storm event. Therefore, 0 points are awarded.

CEG calculated value: 0

Value of upland property (5 points)	Score	3.1
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Local Sponsor: N/A

Department: Calculated with GIS 2021 data.

Total value: \$1,483,615,190.00

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	5.6
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Local Sponsor: 100,000cy at 5 yr interval

Department: Construction cost = \$1,800,000, Volume = 100,000 cy, Length = 59602 ft, Nourishment Interval = 3.4 yrs

Value: 0.469

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

Department: Project will incorporate enhanced dune restoration and revegetation and therefore eligible for 3 points.

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	0.3
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Local Sponsor: N/A

Department: Fiscal year 2013/2014 through 2022/2023.

Total funds: \$314,620.00

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
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Local Sponsor: Beach is publicly accessible from dune vegetation to waters edge

Department: Project is a dune only project and therefore not eligible for the award of points.

Total area: N/A

Recreational benefits (3 points)	Score	0.9
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Local Sponsor: 44.60%

Department: Calculated by GIS

Percentage: 30.59%

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

Department: Project is updrift of Sebastian Inlet in which no deficit in sediment results from the influence of the inlet. Therefore, it is not eligible for the award of points.

CEG calculated value: 0

Volume/mile/year (5 points)	Score	1.7
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Local Sponsor: 100,000cy, 60,720ft, 5 year intervals

Department: Volume = 100,000 cy, Length = 59602 ft, Nourishment Interval = 3.4 yrs

CEG calculated value: 2605.5 cy/mi/yr

Tier 4

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

Department: Verified

Environmental habitat enhancement (5 points)	Score	0
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Local Sponsor: Not armored

Department: The project boundary intersects a critical habitat area. 0.4% percent of the project length is armored, which is below the 30% threshold and therefore not eligible for the award of points.

Overall readiness to proceed

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

Department: Project is not eligible for the award of points.

Active permits (1 point)	Score	1
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Local Sponsor: Yes

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: Resolution submitted

Department: Resolution was submitted by the application deadline.

Erosion Control Line established (1 point)	Score	0
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Local Sponsor: All sand placement is above the MHWL, in part to assure a turtle friendly narrow beach slope within the Archie Carr National Wildlife Refuge, so no ECL is required.

Department: Project is a dune project and therefore not eligible for the award of points.