

FY2022/2023 Local Government Funding Request

Final Beach Project Assessment

Project Name	Pensacola Beach Nourishment
Local Sponsor	Santa Rosa Island Authority

Initial Assessment	8/2/2021
Group Assessment	8/20/2021
Draft Assessment	8/31/2021
Final Review	10/5/2021

Project Description
The Pensacola Beach Nourishment Project is located between DEP monuments R107 and R151 in Escambia County. The Project consists of the restoration and maintenance of approximately 8.1 miles of shoreline on Santa Rosa Island. Initial restoration occurred in 2003, with a repair project completed in 2006 following impacts from Hurricane Ivan. A full nourishment of the project was completed in 2016, including placement of approximately 1.75 million cubic yards. Impacts from Hurricane Sally in September 2020 damaged the dunes. The requested funds are for design, construction of a dune project, and monitoring. 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)
Design, Construction and Monitoring

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	50.00%	\$0	\$35,000	\$35,000	\$70,000
Construction	50.00%	\$0	\$190,000	\$190,000	\$380,000
Year 1 Monitoring	0.00%	\$0	\$0	\$0	\$0
Year 2+ Monitoring	50.00%	\$0	\$83,000	\$83,000	\$166,000
Total Project Costs		\$0	\$308,000	\$308,000	\$616,000

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

TOTAL PROJECT SCORE (100 points)	35.9
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Tier 1

Tourism-related impacts

Return on investment (10 points)	Score	8.7
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Local Sponsor: Project is requesting construction funds.

Department: Verified

Construction + Year 1 Monitoring Cost: \$190,000.00

Value: 145.8

Economic impact (10 points)	Score	5.5
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Local Sponsor: N/A

Department: Escambia County, 2020 data. Tourism-related sales tax data = \$27,695,443.38. County sales tax collections = \$368,805,740.68

Value: 7.51

Tier 2

Federal involvement

Federal authorization (5 points)	Score	0
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Local Sponsor: No federal authorization.

Department: Verified

Federal cost share (5 points)	Score	0
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Local Sponsor: N/A

Department: Not eligible for the award of points.

Federal funds available (5 points)	Score	0
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Local Sponsor: N/A

Department: Not eligible for the award of points.

Storm damage reduction benefits

Current conditions (8 points)	Score	3.3
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Local Sponsor: 476,700 cubic yards lost, approximately 62%.

Department:

Utilizing the 2016 Pre-Construction survey, the 2016 Post-Construction survey, and the 2021-May survey, the Department calculated the volume above MHW (0.9 ft-NAVD). Pre-construction to post-construction equaled 798,052 cy for the fill area of R-107 to R-151. Of that 306,318 remained as of May 2021. This equates to a 61.6% loss above MHW.

CEG calculated value: 61.60%

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

Department:

The Department applied the SBEACH model for the 25-year storm conditions, using profiles from the May-2021 ARC survey for R-107 to R-151. There were no properties deemed threatened, therefore no award of points.

CEG calculated value: 0

Value of upland property (5 points)	Score	3.8
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Local Sponsor: \$2,435,060,305

Department:

Calculated by Department GIS staff with 2020 data.

Total value:

\$2,445,744,942

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	0
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Local Sponsor: No proposed sand placement.

Department:

Points are only awarded for projects proposing sand placement.

Value: N/A

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

Dune addition - will revegetate the dunes

Department:

Verified and 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	2.1
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Local Sponsor: N/A

Department: Fiscal year 2012/2013 through 2021/2022

Total funds: \$8,938,052

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

Department: Verified

Recreational benefits

Accessible beach area (2 points)	Score	1.8
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Local Sponsor: 3,854,214 sq ft of beach

Department: The design MHWL for the last nourishment was the 2013-May MHWL (Pensacola Beach Design Analysis, page 21). The area from this MHWL to the ECL was measured utilizing GIS to get an accessible beach area of 3,964,043 square feet.

Total area: 3,964,043

Recreational benefits (3 points)	Score	1.7
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Local Sponsor: 57.80%

Department: Verified

Percentage: 57.80%

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

Department: Pensacola Beach is not within the area of influence of an inlet and therefore not eligible for award of points.

CEG calculated value: N/A

Volume/mile/year (5 points)	Score	0
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Local Sponsor: No sand placement

Department: Proposed project includes revegetation of the dune. Points are only awarded for construction projects proposing sand placement.
CEG calculated value: N/A

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 located in critical habitat.

Department: The project is not within a designated critical habitat area. 0.15 miles or 1.8% of the shoreline is armored, which does not meet the threshold of 50% to be considered extensive armoring, therefore not eligible for the award of 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 the additional point.

Active permits (1 point)	Score	1
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Local Sponsor: Yes, both state and federal permits.

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

Department: Draft Resolution was submitted by application deadline.
Department: Signed Resolution received.

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

Department: Verified