

FY2022/2023 Local Government Funding Request

Draft Beach Project Assessment

Project Name	Navarre Beach Nourishment Project
Local Sponsor	Santa Rosa County

Initial Assessment	8/11/2021
Group Assessment	8/20/2021
Draft Assessment	8/31/2021
Final Review	

Project Description
The Navarre Beach Nourishment Project is located between DEP monuments R192+460' and R213+650' in Santa Rosa County. The Project was initially restored in 2006, placing approximately 2,952,889 cubic yards of sand to construct the beach and dune. The project was nourished again in 2016. Hurricane Sally caused storm damages and losses in September of 2020. The requested funds are for the construction of a Hurricane Sally repair project and year 1 post-construction 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)
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	0.00%	\$0	\$0	\$0	\$0
Construction	50.00%	\$3,864,719	\$5,956,710	\$5,956,710	\$15,778,139
Year 1 Monitoring	50.00%	\$25,374	\$37,313	\$37,313	\$100,000
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$3,890,093	\$5,994,023	\$5,994,023	\$15,878,139

Federal cost share %	24.50%
Federal agency and description	FEMA - Hurricane Sally damages for a portion of the project

TOTAL PROJECT SCORE (100 points)	38.1
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Tier 1

Tourism-related impacts		
Return on investment (10 points)	Score	0.7

Local Sponsor: Project is requesting construction funds.

Department: Verified
Construction + Year 1 Monitoring Cost: \$5,994,023.00
Value: 1.4

Economic impact (10 points)	Score	5
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Local Sponsor: N/A

Department: Santa Rosa County, 2020 data. Tourism-related sales tax data = \$8,605,609.02. County sales tax collections = \$118,027,338.48
Value: 7.29

Tier 2

Federal involvement

Federal authorization (5 points)	Score	0
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Local Sponsor: Project is federally authorized.

Department: The Project is not federally authorized by the USACE.

Federal cost share (5 points)	Score	0
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Local Sponsor: 25%

Department: The Project does not have a cost-share from the USACE.

Federal funds available (5 points)	Score	0
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Local Sponsor: Project has an approved FEMA Project Worksheet.

Department: Local Sponsor has not provided a copy of the approved FEMA Project Worksheet and therefore not eligible for points at this time.

Storm damage reduction benefits

Current conditions (8 points)	Score	4.3
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Local Sponsor: 333,595 cy nourishment lost with -1.72ft/yr of erosion

Department: Utilizing the 2016 Pre-Construction survey, the 2016 Post-Construction survey, and the 2020 Post-Sally LIDAR data set, the Department calculated the volume above MHW (0.9 ft-NAVD). Pre-construction to post-construction equaled 748,280 cy for the fill area of R-192 to R-214. Of that 217,007 remained as of October 2020 (post-Sally). This equates to a 71% loss above MHW.

CEG calculated value: 71%

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

Department:

Plot overlays utilizing the post-Sally 2020 LIDAR data show the profiles have recessed to the pre-nourishment levels, however the primary dunes remain intact throughout the project area which provides protection from a 25-year storm, therefore no threat to upland development.

CEG calculated value: 0

Value of upland property (5 points)	Score	2.8
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Local Sponsor: \$920,890,383

Department:

Calculated by Department GIS staff with 2020 data.

Total value: \$1,407,944,411

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	9.2
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Local Sponsor:

Volume = 1,250,000, nourishment interval = 10 yrs

Department:

Construction cost = \$15,778,139, volume = 1,250,000 cy, length = 4.05 mi, nourishment interval = 10 yrs

Value: \$0.31

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

Dune addition

Department:

Verified and eligible for the 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
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Local Sponsor:

N/A

Department:

Fiscal year 2012/2013 through 2021/2022

Total funds:

\$8,680,967.50

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

Department: Verified

Recreational benefits

Accessible beach area (2 points)	Score	1.9
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Local Sponsor: N/A

Department: The design profiles (2013 Coastal Tech fill profiles) show an approximate 200' design MHWL from the ECL. Therefore (200 feet width) X (21,400 feet project length) = accessible beach area of 4,280,000 square feet.

Total area: 4,280,000

Recreational benefits (3 points)	Score	0.7
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Local Sponsor: 24.80%

Department: Verified

Percentage: 24.80%

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

Department: Project is not within the area of influence of an inlet.

CEG calculated value: 0

Volume/mile/year (5 points)	Score	2.5
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Local Sponsor: volume 1,250,000 cy, length 4.1 mi, nourishment interval 10 yrs

Department: Restored in 2006 and nourished in 2016 yields a nourishment interval of 10 years. The project length is 21,400 feet or 4.05 miles. The planned sand placement volume as stated in the application is 1,250,000 cy.

CEG calculated value: 30,864

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: N/A

Department: The project is not within a designated critical habitat area. 0.4 miles or 1% of the project shoreline is armored, which does not meet the threshold of 50% to be considered extensive armoring and therefore not eligible for 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 additional point.

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: Yes

Department: Draft Resolution was submitted by application deadline.

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

Department: Verified