

FY2025/2026 Local Government Funding Request

Final Beach Project Assessment

Project Name	South Marco Island Beach Nourishment Project
Local Sponsor	Collier County

Initial Assessment	8/23/2024
Group Assessment	8/27/2024
Draft Assessment	9/2/2024
Final Review	10/8/2024

Project Description
The South Marco Island Beach Nourishment Project is located between DEP monuments R144 and R148+600'(G4) in Collier County. The first nourishment was completed in 1991. Subsequent nourishments were completed in 2006, 2013, 2016. Also in 2016, storm repair work was also completed. Storm damage was due to Tropical Storm Debby. In 2019, the Marco Beach Regrading project was completed. The last beach nourishment was completed in 2020. An emergency sand placement occurred in 2023 following Hurricane Ian. The next nourishment is scheduled for 2024/2025. The requested funds are for design and yearly monitoring. Staff have determined that 53.96% 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 (current FY25/26) and Monitoring (2+ year annual, current FY25/26)

State cost share %	26.98%
--------------------	--------

Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0.00	\$0.00	\$0.00	\$0.00
Design	26.98%	\$0.00	\$67,450.00	\$182,550.00	\$250,000.00
Construction	0.00%	\$0.00	\$0.00	\$0.00	\$0.00
Year 1 Monitoring	0.00%	\$0.00	\$0.00	\$0.00	\$0.00
Year 2+ Monitoring	26.98%	\$0.00	\$33,050.50	\$89,449.50	\$122,500.00
Total Project Costs		\$0.00	\$100,500.50	\$271,999.50	\$372,500.00

Federal cost share %	0.00%
Federal agency and description	

TOTAL PROJECT SCORE (100 points)	26.4
---	------

Tier 1

Tourism-related impacts

Return on investment (10 points)	Score	0
----------------------------------	-------	---

Local Sponsor: Project is not requesting construction funds.

Department: Only projects requesting construction funds are eligible for the point.

Construction + Year 1 Monitoring Cost: \$0.00

Value: 0

Economic impact (10 points)	Score	8.4
-----------------------------	-------	-----

Local Sponsor: N/A

Department:

Collier County, most current complete calendar data. Tourism-related sales tax data = \$125,722,838.59. County sales tax collections = \$837,026,969.00

Value: 15.02

Tier 2**Federal involvement**

Federal authorization (5 points)	Score	0
----------------------------------	-------	---

Local Sponsor: No

Department: Verified

Federal cost share (5 points)	Score	0
-------------------------------	-------	---

Local Sponsor: No

Department: Verified

Federal funds available (5 points)	Score	0
------------------------------------	-------	---

Local Sponsor: No

Department: Verified

Storm damage reduction benefits

Current conditions (8 points)	Score	8
-------------------------------	-------	---

Local Sponsor: 2.1 ft /yr

Department: Beach nourishment was completed in April 2020 with the latest survey received by the Department in March 2024. 95.5% of the 28,722.3 cy of advanced nourishment was lost over this interval for a total score of $-\log(1-0.955) \times 8 = 10.8$.

CEG calculated value: 10.8

Threat to upland development (2 points)	Score	0
---	-------	---

Local Sponsor: N/A

Department:

The SBEACH model was run using March 2024 survey profiles for the 25-year return interval storm conditions for the beach segments. The model results were overlaid on aerial imagery and showed 0 feet of unarmored property was threatened. This equates to 0% of the project length. Hence, the value for threat to upland development is 0 points.

CEG calculated value: 0

Value of upland property (5 points)	Score	3.9
-------------------------------------	-------	-----

Local Sponsor:

Department: Calculated by CEG using 2023 data.

Total value: \$2,728,999,895.00

Cost-effectiveness

Cost/volume/mile/year (10 points)	Score	0
-----------------------------------	-------	---

Local Sponsor: Project is not requesting construction funds.

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

Value: 0

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	0
--	-------	---

Local Sponsor: None proposed

Department: Proposed project does not qualify for any of the elements and therefore not eligible for award of points.

Tier 3

Previous state commitment

Previously funded phases (1 point)	Score	1
------------------------------------	-------	---

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	1.1
---	-------	-----

Local Sponsor: N/A

Department: Fiscal year 2015/2016 through 2024/2025

Total funds: \$3,081,989.71

Previous partial appropriation (1 point)	Score	0
--	-------	---

Local Sponsor: No

Department: No partial appropriations in 3 previous fiscal year applications, not eligible for the award of points.

Recreational benefits

Accessible beach area (2 points)	Score	0.5
----------------------------------	-------	-----

Local Sponsor: The 2020 project area (R146-G4) lost 29 feet between the April 2020 (post con) and the January 2022 (2-year) monitoring.

Department: Calculated by CEG/GIS staff.

Source- Bounded by ECL on the landward side, used MHWL derived from Dec. 2011 survey (5 Year Post-Con).

Total area: 883,472 ft²

Recreational benefits (3 points)	Score	0.5
----------------------------------	-------	-----

Local Sponsor: The project length is 4,130 feet. A total of 1,559 feet are designated as commercial and recreational, therefore 37.7% of the total project length.

Department: Hilton Marco Island (182ft), Marriotts Crystal Shore (371ft), and Open Space (56'). Total 609 ft / 4,130 ft = 15%

Percentage: 15%

Mitigation of inlet effects (5 points)	Score	0
--	-------	---

Local Sponsor: The Marco Island Project is nourished through material from Caxambas Pass navigation dredging and meets objectives outlined in the SBMP

Department: There is not an adopted IMP for Capri Pass, therefore not eligible for the award of points.

CEG calculated value: 0

Volume/mile/year (5 points)	Score	0
-----------------------------	-------	---

Local Sponsor: N/A

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

CEG calculated value: 0

Tier 4

Successive unfunded requests (5 points)	Score	0
---	-------	---

Local Sponsor: No

Department: Verified no successive unfunded requests. Not eligible for the award of points.

Environmental habitat enhancement (5 points)	Score	0
---	--------------	----------

Local Sponsor: The project is not within a designated critical habitat area that is subject to extensive shoreline armoring.

Department: The project boundary intersects critical habitat area. The shoreline is 0% armored which is less than the 30% threshold. Therefore, the project is not eligible for the award of points.

Overall readiness to proceed

Readiness to construct (1 point)	Score	0
---	--------------	----------

Local Sponsor: N/A

Department: ineligible for the award of the additional point.

Active permits (1 point)	Score	1
---------------------------------	--------------	----------

Local Sponsor: State: 0235209-008-JM (10/11/2027)
Federal: SAJ-1996-02789 (3/9/2026)

Department: Verified

Easements acquired (1 point)	Score	1
-------------------------------------	--------------	----------

Local Sponsor: Yes

Department: Verified

Local funds secured (1 point)	Score	0
--------------------------------------	--------------	----------

Local Sponsor: Yes

Department: Signed Resolution was not submitted by the deadline.

Erosion Control Line established (1 point)	Score	1
---	--------------	----------

Local Sponsor: Yes

Department: Verified