

FY2023/2024 Local Government Funding Request
Draft Beach Project Assessment

Project Name	Collier County Beach Renourishment
Local Sponsor	Collier County - Growth Management Department - Coastal Zone Management

Initial Assessment	8/10/2022
Group Assessment	9/7/2022
Draft Assessment	
Final Review	

Project Description The project includes nourishment and monitoring of the Collier County beaches, dredging of Doctors Pass and erosion control structures for sand retention. The project is located between FDEP R-22+300 to R-30.5, R-42 – R-54+400, and R-78 to R-79, and includes three Vanderbilt Beach, Park Shore, and Naples. Dunes will be restored to pre-storm conditions when damaged. Between 2017 and 2020 approximately 38,000 cubic material was placed from Clam Pass onto the beaches on either side of the inlet and an additional 20,000 cy was placed in the newly permitted segment. Park Shore Beach was nourished with approximately 130,000 cubic yards of sand as part of the 2019 project. Naples Beach received approximately 30,000 cubic yards of sand dredged from Doctors Pass in 2018 placed in the nearshore. The reach from the Doctors Pass south jetty to R-60 was nourished with sand in late 2020. Permit design is to an 85 ft. wide beach in Park Shore, with a 6-year project design life.
--

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

State cost share %	42.39%
--------------------	--------

Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0	\$0	\$0	\$0
Design	42.39%	\$0	\$233,145	\$316,855	\$550,000
Construction	0.00%	\$0	\$0	\$0	\$0
Year 1 Monitoring	42.39%	\$0	\$173,800	\$236,200	\$410,000
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$0	\$406,945	\$553,055	\$960,000

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

TOTAL PROJECT SCORE (100 points)	33
---	----

Tier 1

Tourism-related impacts		
Return on investment (10 points)	Score	0

Local Sponsor: Project is not requesting construction funds.

Department: verified

Construction + Year 1 Monitoring Cost: Only Design & Monitoring costs

Value: \$406,945.00

Economic impact (10 points)	Score	9.1
-----------------------------	-------	-----

Local Sponsor: NA

Department: tourism tax revenue = \$103,137,871.24; total county tax revenue = \$732,351,282.75
Value: 0.140831147

Tier 2

Federal involvement

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

Local Sponsor: No

Department: verified

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

Local Sponsor: N/A

Department: verified

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

Local Sponsor: No

Department: verified

Storm damage reduction benefits

Current conditions (8 points)	Score	0
--------------------------------------	-------	---

Local Sponsor: 2,880 cy (N. Park shore) 6,330 cy (Park shore)

The most recent beach restoration was completed in November 2021 with a January 2022 post-construction survey. An updated survey is not available to determine advance nourishment loss and therefore not eligible for the award of points.

Department:
CEG calculated value: 0

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

Local Sponsor: N/A

The most recent beach nourishment was completed in November 2021. The design berm remains intact and provides storm damage protection to the upland property from the impacts of a 25 year storm event. Therefore, the project is not eligible for the award of points.

Department:
CEG calculated value: 0

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

Local Sponsor: N/A

Department: \$14,827,453,869
Total value: \$14,827,453,869.00

Cost-effectiveness

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

Local Sponsor: 165,000cy 5yrs

Department: The project is not requesting construction funds and therefore not eligible for the award of point
Value: 0

Enhanced longevity, dune addition, innovative technology, and regionalization (5 points)	Score	3
---	-------	---

Local Sponsor: None

Department: The project proposes a dune addition and is therefore eligible for the award of 3 points.

Tier 3

Previous state commitment

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

Local Sponsor: Yes

Department: Collier county nourishment has previously been funded

Total amount of previous funding (3 points)	Score	2.5
---	-------	-----

Local Sponsor: N/A

Department: \$14,131,292.27

Total funds: \$14,131,292.27

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

Local Sponsor: No

Department: verified

Recreational benefits

Accessible beach area (2 points)	Score	1.4
----------------------------------	-------	-----

Local Sponsor: 370532 yrd² = 1111596 ft²

Seaward design is 100 feet from the baseline for Vanderbilt and Naples while 85 feet for Park Shore. This is bounded by the ECL on the landward edge (H&M May 2016, Monitoring Report).

Department: As calculated by GIS: 1,641,019 ft²

Total area: 1,641,019 ft²

Recreational benefits (3 points)	Score	1
----------------------------------	-------	---

Local Sponsor: Vanderbilt: 12%; Park Shore: 20%; Naples: 5%

Department: V: 7.7%; PS: 20.5%; N: 4.8 % = 33% based on open air and public spaces zoning

Percentage: 33%

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

Local Sponsor: N/A

The project is within the influence area of Wiggins Pass and Doctors Pass, of which the target bypassing quantity of 10,000 cy/yr has not been achieved for the latter inlet. Over 100% of the cumulative bypassing objective has been supplied by construction. Therefore, a full 5 points are awarded.

Department: CEG calculated value:

286.30%

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

Local Sponsor: N/A

Department: The project is not requesting construction funds and therefore not eligible for the award of point

CEG calculated value: 0

Tier 4

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

Local Sponsor: None

Department: verified

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

Local Sponsor: No

Department: Yes: 0.186 armored; points only awarded for a threshold $\geq 20\%$

Overall readiness to proceed

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

Local Sponsor: N/A

Department: N/A

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

Local Sponsor: Yes

Department: State: 0331817-004-JM (10/02/2030) Fed: SAJ-2003-12405 (05/06/2031)

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

Local Sponsor: Yes

Department: verified

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

Local Sponsor: Yes

Department: Resolution was attached

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

Local Sponsor: Yes

Department: verified