

FY2023/2024 Local Government Funding Request

Draft Beach Project Assessment

Project Name	Key Biscayne Beach Nourishment
Local Sponsor	Village of Key Biscayne

Initial Assessment	8/12/2022
Group Assessment	9/1/2022
Draft Assessment	9/14/2022
Final Review	

Project Description
The Key Biscayne Beach Nourishment Project is a 1.3-mile project between DEP monuments R101 and R108 in Miami-Dade County. The project was restored as a federally-authorized restoration in 1987. In 1990, the project was de-authorized and was subsequently followed by four non-federal nourishments in 2002, 2008, 2012, and 2017. The most recent nourishment was completed in 2021 to address damages caused by Hurricane Irma. The requested funds are for the engineering design of the next truck haul nourishment event that is scheduled for 2025. Staff have determined that 91.46% 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

State cost share %	45.73%
--------------------	--------

Project Budget Table					
	State %	Federal	State	Local	Total
Feasibility	0.00%	\$0	\$0	\$0	\$0
Design	45.73%	\$0	\$68,595	\$81,405	\$150,000
Construction	0.00%	\$0	\$0	\$0	\$0
Year 1 Monitoring	0.00%	\$0	\$0	\$0	\$0
Year 2+ Monitoring	0.00%	\$0	\$0	\$0	\$0
Total Project Costs		\$0	\$68,595	\$81,405	\$150,000

Federal cost share %	0.00%
----------------------	-------

Federal agency and description	
--------------------------------	--

TOTAL PROJECT SCORE (100 points)	16.2
---	------

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 award of point

Construction + Year 1 Monitoring Cost: N/A

Value: N/A

Economic impact (10 points)	Score	6.6
-----------------------------	-------	-----

Local Sponsor: N/A

Department: Miami-Dade County, 2021 data. Tourism-related sales tax data = \$307,279,813.33 . County sales tax collections = \$3,839,883,554.55
Value: 8

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	0
-------------------------------	-------	---

Local Sponsor: 28,180 cy y

Department: The most recent beach restoration was completed in June 2021. A recent post-construction survey is not available to determine advance nourishment loss and the project is therefore not eligible for the award of points.

CEG calculated value: 0

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

Local Sponsor: N/A

Department: The most recent beach nourishment was completed in June 2021. No post-construction survey data is available to determine vulnerability. Therefore, the project is not eligible for the award of points.

CEG calculated value: 0

Value of upland property (5 points)	Score	1
-------------------------------------	-------	---

Local Sponsor:

Department: Calculated by GIS with 2021 data.

Total value: \$353,641,622.00

Cost-effectiveness

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

Local Sponsor:

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

Value: 0

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

Local Sponsor: Dune Addition

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: Verified

Total amount of previous funding (3 points)	Score	0.6
---	-------	-----

Local Sponsor: N/A

Department: Fiscal year 2013/2014 through 2022/2023
Total funds: \$1,569,589.00

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

Local Sponsor: No

Department: Verified

Recreational benefits

Accessible beach area (2 points)	Score	0.6
----------------------------------	-------	-----

Local Sponsor:

Department:

The design could not be found; thus, the cross-shore width of accessible beach area shall be bound by the ECL along the landward edge and the historic pre-construction MHWL contour along the seaward edge. The May 2016 survey is used as the pre-construction survey for the 2017 nourishment. Utilizing these boundaries, the accessible beach area as calculated by GIS staff is 674,539 ft²

Total area: 674,539 ft²

Recreational benefits (3 points)	Score	0.4
----------------------------------	-------	-----

Local Sponsor: Recreational 2.26%, Lodging 59.6% (61.86%)

Department: Eligible Properties: 301 Ocean Drive and 360 Ocean Drive (780 Feet), Village Public Beach Access (100 feet). $880/6200 = 14.1\%$

Percentage: 14.10%

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

Local Sponsor:

Key Biscayne Beach is negatively affected by the updrift inlet at Government Cut. This inlet is a littoral barrier to Fisher Island, Virginia Key, and Key Biscayne. No Mitigation is in process or has been approved. There is also no IMP for Government Cut.

Department: There is no adopted IMP for Government Cut. Therefore, 0 points are awarded.

CEG calculated value: 0

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

Local Sponsor:

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

CEG calculated value: 0.00

Tier 4

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

Local Sponsor: Yes - 1

Department: 22/23 Application was not unsuccessfully funded based off rank score/funds, but because the design activities in the application were not yet ready to proceed. Construction not included in the 23/24 application as listed for 24/25. 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. Beach fill is designed to avoid impacts to the nearshore seagrasses.

Department: The project boundary intersects a critical habitat area. 1.5% percent of the project length is armored, which is below the 30% threshold and not eligible for the award of points.

Overall readiness to proceed

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

Local Sponsor: N/A

Department:

Active permits (1 point)	Score	0
--------------------------	-------	---

Local Sponsor: No

Department: State: 160846-020-JN (exp 2024)
No federal permit.

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

Local Sponsor: Yes

Department: Verified

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

Local Sponsor: Yes - draft resolution submitted in application

Department: Draft Resolution was submitted by application deadline.

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

Local Sponsor: Yes

Department:

Verified