



# The Florida Senate

## Local Funding Initiative Request

### Fiscal Year 2023-2024

LFIR # 2427

1. Project Title

Biscayne Bay Restoration Support through Data Analytics and Visualization

2. Senate Sponsor

Ileana Garcia

3. Date of Request

03/01/2023

4. Project/Program Description

Analyze the County's and other publicly-available data sets in a multivariate approach spatially & temporally to look for patterns and trends in water quality pollution; visualize DEP Grant milestones; visualize said data analysis for managers/decision-makers/scientists/public; inform the County's development of a Reasonable Assurance Plan; support goals of the County's Biscayne Bay Task Force Report & inform development of the Biscayne Bay Watershed Management Advisory Board's Watershed Plan.

Specifically, employ statistical and GIS-based analyses to analyze data sets and visualize data for spatial and temporal variation; use analysis to identify sources of pollution and prioritize infrastructure needs (waste- and stormwater); run economic analyses on importance of health of Biscayne Bay; visualization tools to support public understanding and education.

5. State Agency to receive requested funds

Department of Environmental Protection

State Agency contacted?

Yes

6. Amount of the Nonrecurring Request for Fiscal Year 2023-2024

Type of Funding	Amount
Operations	1,000,000
Fixed Capital Outlay	0
<b>Total State Funds Requested</b>	<b>1,000,000</b>

7. Total Project Cost for Fiscal Year 2023-2024 (including matching funds available for this project)

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	1,000,000	50%
<b>Matching Funds</b>		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	1,000,000	50%
Other	0	0%
<b>Total Project Costs for Fiscal Year 2023-2024</b>	<b>2,000,000</b>	<b>100%</b>

8. Has this project previously received state funding?

No

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		

9. Is future funding likely to be requested?

No

a. If yes, indicate nonrecurring amount per year.

b. Describe the source of funding that can be used in lieu of state funding.



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LFIR # 2427

10. Has the entity requesting this project received any federal assistance related to the COVID-19 pandemic?

Yes

If yes, indicate the amount of funds received and what the funds were used for.

Miami-Dade County received \$1,419,320,111.50 to provide financial aid to, among others, small businesses, veterans, senior meals, restaurants, hotel workers, first responders, landlords, low-income tenants, nonprofits, and day care centers; county services and also direct distributions to Miami-Dade municipalities.

## Complete questions 11 and 12 for Fixed Capital Outlay Projects

11. Status of Construction

a. What is the current phase of the project?

☐ Planning ☐ Design ☐ Construction

b. Is the project "shovel ready" (i.e permitted)?

c. What is the estimated start date of construction?

d. What is the estimated completion date of construction?

12. List the owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

13. Details on how the requested state funds will be expended

Spending Category	Description	Amount
<b>Administrative Costs:</b>		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study	Cost of covering administration of tasks outlined in data analytics and visualization contract	45,000
<b>Operational Costs: Other</b>		
Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other	Costs related to travel to for field visits or on-site meetings as required, with supplies and equipment as needed to meet data analysis and visualization needs	10,000
Consultants/Contracted Services/Study	Perform services related to data analysis & visualization to support analysis of the County's & other publicly-available data sets to look for patterns and trends in water quality pollution; visualize DEP Grant milestones; visualize said data analysis for managers/decision-makers/scientists/public; inform the County's development of a RAP; support goals of the County's BB Task Force Report & inform development of the Watershed Mgmt Board Plan	945,000



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#### Fixed Capital Construction/Major Renovation:

Construction/Renovation/Land/ Planning Engineering		0
Total State Funds Requested (must equal total from question #6)		1,000,000

#### 14. Program Performance

##### a. What specific purpose or goal will be achieved by the funds requested?

Analyze the County's and other publicly-available data sets in a multivariate approach spatially & temporally to look for patterns and trends in water quality pollution; visualize DEP Grant milestones; visualize said data analysis for managers/decision-makers/scientists/public; inform the County's development of a Reasonable Assurance Plan; support goals of the County's Biscayne Bay Task Force Report & inform development of the Biscayne Bay Watershed Management Advisory Board's Watershed Plan; inform managers and decision-makers of the economic importance of Biscayne Bay; Enhance public education through dashboard to showcase DEP grant milestones as well as status of Biscayne Bay health.

##### b. What activities and services will be provided to meet the intended purpose of these funds?

Support in multivariate data analysis to identify spatial and temporal trends using statistical tests and projecting results using data visualization tools including but not limited to GIS; interactive reports; visual explore patterns in data across multiple datasets at the same time.

##### c. What direct services will be provided to citizens by the appropriation project?

- Products and tools will help education the public on the health of Biscayne Bay, the status of publicly-funded grant milestones via dashboards and portals
- Statistical analysis, reporting, and data visualization will assist decision-makers, managers, and academia with prioritizing service such as improvements to stormwater and wastewater.

##### d. Who is the target population served by this project? How many individuals are expected to be served?

- All residents of Miami-Dade County as well as southern Broward and northern Monroe that share the watershed with Biscayne Bay

##### e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

- Products and tools to support development of a Reasonable Assurance Plan in partnership with DEP and municipal and other state stakeholders
- Products and tools to support the work of the state's Biscayne Bay Commission, the County's Biscayne Bay Watershed Management Advisory Board, and development of a watershed plan
- Tools to promote public education and understanding of water quality health and overall health of Biscayne Bay

##### f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for the contract?

County will have a period of time to rectify meeting deliverables by certain timeline and, if not adaptable, funding is withheld and County covers cost of services.

#### 15. Requester Contact Information

a. First Name  Last Name

b. Organization

c. E-mail Address

d. Phone Number  Ext.



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LFIR # 2427

#### 16. Recipient Contact Information

a. Organization

b. Municipality and County

#### c. Organization Type

- ☐ For Profit Entity
- ☐ Non Profit 501(c)(3)
- ☐ Non Profit 501(c)(4)
- ☒ Local Entity
- ☐ University or College
- ☐ Other (please specify)

d. First Name  Last Name

e. E-mail Address

f. Phone Number

#### 17. Lobbyist Contact Information

a. Name

b. Firm Name

c. E-mail Address

d. Phone Number