



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2024-2025

LFIR # 1139

1. **Project Title**

2. **Senate Sponsor**

3. **Date of Request**

4. **Project/Program Description**

Funds are requested to partially support the design, engineering, construction & implementation of 3 STEM teaching & 4 workforce training labs at Mote SEA that will afford New College students with unparalleled data analytics & visualization training with Mote's massive ongoing & historic coastal and ocean research data and innovative technologies. New College students will also serve as near-peer mentors for underrepresented minority high school students in big data analytics & visualization.

5. **State Agency to receive requested funds**

State Agency contacted?

6. **Amount of the Nonrecurring Request for Fiscal Year 2024-2025**

Type of Funding	Amount
Operations	1,050,000
Fixed Capital Outlay	8,950,000
Total State Funds Requested	10,000,000

7. **Total Project Cost for Fiscal Year 2024-2025 (including matching funds available for this project)**

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	10,000,000	84%
Matching Funds		
Federal	500,000	4%
State (excluding the amount of this request)	500,000	4%
Local	500,000	4%
Other	500,000	4%
Total Project Costs for Fiscal Year 2024-2025	12,000,000	100%

8. **Has this project previously received state funding?**

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

9. **Is future funding likely to be requested?**

a. **If yes, indicate nonrecurring amount per year.**

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

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



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

\$2,318,359 for employee salaries and benefits.

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
 N/A

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

Yes

c. What is the estimated start date of construction?

8/1/24

d. What is the estimated completion date of construction?

12/1/24

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.

Mote Marine Laboratory

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

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		0
Other Salary and Benefits		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
Operational Costs: Other		
Salary and Benefits	Student intern stipends and Mote scientists and technicians' salaries and benefits to partner with New College in conducting big data analytics and visualization project design, technology transfer, training, outreach, reports and publications. Mote will provide volunteers and interns to assist in daily data access and interpretation.	450,000
Expense/Equipment/Travel/Supplies/Other	Advanced technology data analysis and visualization hardware, software, supplies, high speed connectivity, etc. for students & researchers of Mote-New College big/complex data analytics & visualization collaboratorium at Mote SEA to focus on coastal resiliency, water quality improvement, harmful algal bloom mitigation, electronic fisheries monitoring, species/habitat restoration management, etc.	650,000
Consultants/Contracted Services/Study		0
Fixed Capital Construction/Major Renovation:		



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Construction/Renovation/Land/ Planning Engineering	Funds will be used for the construction of supporting infrastructure required to house and optimally conduct large data analysis and visualization research and experiential learning experiences for the K-12 STEM education classrooms and laboratories, as well as for the STEM research experiences for high school interns and New College students at the new Mote Science Education Aquarium.	8,900,000
Total State Funds Requested (must equal total from question #6)		10,000,000

14. Program Performance

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

Funds are requested to partially support the design, engineering, construction & implementation of 3 STEM teaching & 4 workforce training labs at Mote SEA that will afford New College students with unparalleled data analytics & visualization training with Mote’s massive ongoing & historic coastal and ocean research data and innovative technologies. New College students will also serve as near-peer mentors for underrepresented minority high school students in big data analytics & visualization.

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

Mote SEA STEM Teaching Labs and STEM Workforce Training Research Labs will focus on science-based, data-driven experiential engagement programs focused on: 1) big data analytics & visualization, AI/machine learning, sensor development, robotics and other ocean technologies, 2) marine biomedical, microbiology, and immunology, and 3) general marine ecology, aquaculture, fisheries, etc.

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

Mote SEA will afford New College students with unparalleled data analytics & visualization training utilizing Mote’s massive ongoing & historic coastal and ocean research data and innovative technologies, while also providing to area K-12 schools ~\$3 million of annual Mote STEM teaching and research services at no cost to the schools and students.

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

All Florida college students, with emphasis on inclusion of underrepresented and New College STEM students.

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

Outcomes will be measured by a variety of metrics including number of New College and underrepresented STEM students who participate in the Mote SEA big data collaboratorium, increased STEM big data competencies of students, student opportunities to participate in periodic events for STEM big data professional development, networking, presentations and community-building.

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?

Quarterly reimbursable funding via a contract agreement will be withheld on proportional basis for STEM teaching and workforce development laboratories construction if deliverables are not achieved.

15. Requester Contact Information

a. First Name **Last Name**

b. Organization

c. E-mail Address

d. Phone Number **Ext.**

16. Recipient Contact Information



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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