



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2020-2021

LFIR # 2487

1. **Project Title**
2. **Senate Sponsor**
3. **Date of Request**

4. **Project/Program Description**

With nearly 65 years of international leadership in marine research, education, and outreach, Mote Marine Laboratory & Aquarium is entering a new era with the creation of a new campus — Mote Science Education Aquarium (Mote SEA). Funds are requested to partially support the design, engineering, and construction implementation of 3 K-12 STEM Education Teaching Laboratories and 2 high school/undergraduate STEM workforce training research laboratories that will be co-located with the new Mote SEA at Nathan Benderson Park, a nexus location between Manatee and Sarasota counties and within 60 minutes driving access for over 3 million Florida residents. Drawing on Mote’s innovative K-12 STEM education partnerships, award-winning expertise with high school and college research interns, digital learning programs and more, the STEM Teaching Laboratories and workforce training research laboratories at Mote SEA will afford students with unparalleled hands-on research and technology experience.

5. **State Agency to receive requested funds**
- State Agency contacted? Yes No

6. **Amount of the Nonrecurring Request for Fiscal Year 2020-2021**

Type of Funding	Amount
Operations	<input style="width: 80%;" type="text" value="000"/>
Fixed Capital Outlay	<input style="width: 80%;" type="text" value="5,000,000"/>
Total State Funds Requested	5,000,000

7. **Total Project Cost for Fiscal Year 2020-2021 (including matching funds available for this project)**

Type of Funding	Amount	Percentage
Total State Funds Requested (from question #6)	<input style="width: 80%;" type="text" value="5000000"/>	<input style="width: 80%;" type="text" value="50.0"/> %
Matching Funds		
Federal	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
State (excluding the amount of this request)	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Local	<input style="width: 80%;" type="text" value="00"/>	<input style="width: 80%;" type="text" value="0"/> %
Other	<input style="width: 80%;" type="text" value="5,000,000"/>	<input style="width: 80%;" type="text" value="50"/> %
Total Project Costs for Fiscal Year 2020-2021	10,000,000	100 %

8. **Has this project previously received state funding?** Yes No

If yes, provide the most recent instance:

Fiscal Year (yyyy-yy)	Amount		Specific Appropriation #	Vetoed
	Recurring	Nonrecurring		
<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>	<input style="width: 80%;" type="text"/>

9. **Is future-year funding likely to be requested?** Yes No

If yes, indicate nonrecurring amount per year.



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

Spending Category	Description	Amount
Administrative Costs:		
Executive Director/Project Head Salary and Benefits		[]
Other Salary and Benefits		[]
Expense/Equipment/Travel/Supplies/Other		[]
Consultants/Contracted Services/Study		[]
Operational Costs: Other		
Salary and Benefits		[]
Expense/Equipment/Travel/Supplies/Other		[]
Consultants/Contracted Services/Study		[]
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Partial funding for design, engineering, and construction implementation of 3 K-12 STEM Education Teaching Laboratories and 2 high school/undergraduate STEM workforce training laboratories that will be co-located with the new Mote Science Education Aquarium located at Nathan Benderson Park, a nexus location between Manatee and Sarasota counties and within 60 minutes driving access for over 3 million Florida residents.	5,000,000
Total State Funds Requested (must equal total from question #6)		5,000,000



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11. Program Performance

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

Partial support for design, engineering, and construction implementation of 3 K-12 STEM Education Teaching Laboratories and 2 high school/undergraduate STEM workforce training research laboratories that will be co-located with the new Mote SEA at Nathan Benderson Park.

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

Mote SEA Teaching Laboratories will focus on three specialized areas to enhance STEM education, including 1) experience in microbiology, immunology, and biomedical research; 2) development of next generation sensors, robotics, and other ocean technologies; and 3) general marine ecology research. The Mote STEM workforce training research labs will focus on diverse aspects of 24 STEM research programs conducted by Mote scientists. All programming will enhance in-classroom lessons and support preparation for statewide assessments, and all experiences will be aligned with the Next Generation Sunshine State Standards for Science.

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

Mote will provide opportunities for every K-12 school in the region to utilize these advanced technology STEM teaching labs at no cost, so that no child will be left behind in the chance to discover marine science and technology first-hand. Mote will provide to area schools ~\$3 million of annual Mote STEM teaching and research services in the STEM labs at no cost to the schools or students.

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

~70,000 K-12 students in STEM classes in schools from the region will get free annual STEM education offerings via 3 STEM teaching labs in Mote SEA, and approximately 200 high school and undergraduate students will engage in the STEM workforce training research labs. Mote will strategically collaborate with schools and community groups where needs are greatest. Mote will continue to educate children who might not otherwise have access to marine STEM education. Students, especially girls and those from under-served communities, working side-by-side with Mote professionals, will have the ability to gain real-world ocean related STEM experiences and explore STEM-related careers, while also practicing valuable job skills such as communication, public speaking, collaboration, and time management.

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

This type of training is truly transformative not only in expanding access to STEM education broadly in the region but in cultivating the next generation of ocean stewards equipped to be the champions of marine conservation. Utilizing up-to-date, real world research from Mote's 24 diverse research programs, these teaching laboratories will be unique in educating student populations with hands-on opportunities and deeper conceptual knowledge, something only an institution like Mote is able to provide. The Mote SEA construction phase alone is projected to benefit Florida's economy by producing \$280 million of direct and indirect expenditures. Beyond the one-time benefits of new construction, the Mote SEA by itself — not including Mote's research enterprise — will support a total of over 260 direct and indirect jobs and provide approximately \$28 million in annual economic benefits. Mote will use both in-house and third party, independent consultants to evaluate the impacts and success.

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 in the contract?

Funding could be withheld on a proportional basis for deliverables not achieved in the following manner: Completed design, engineering, and site preparation = 50%; Implementation of construction = 50%. Interim progress reports and invoices will be submitted through a fixed lump sum contract.



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12. **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.**

The owner of the new facility will be Mote Marine Laboratory Inc., a Florida 501(c)3.

13. **Requestor Contact Information**

- a. First Name Last Name
- b. Organization
- c. E-mail Address
- d. Phone Number Ext.

14. **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

15. **Lobbyist Contact Information**

- a. Name
- b. Firm Name
- c. E-mail Address
- d. Phone Number Ext.