



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2023-2024

LFIR # 2713

1. Project Title

2. Senate Sponsor

3. Date of Request

4. Project/Program Description

Liquid hydrogen offers a clean, flexible, and energy efficient alternative to traditional fossil fuels, and the opportunity is large. Current projections indicate that by 2030 the hydrogen economy could be worth more than \$500B. Yet, there are still significant obstacles to widespread technology adoption. FSU is uniquely positioned to address many of the related safety, efficiency, and societal uptake challenges to help move liquid H2 fuel from promising concept to the market. The proposed Hydrogen Lab allows FSU to secure a national leadership position in the green H2 economy by leveraging existing capabilities and industry partnerships. The FSU Hydrogen Lab will develop new technology that leads to economic returns to the region and will help train the talent needed to support this burgeoning industry.

5. State Agency to receive requested funds

State Agency contacted?

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

Type of Funding	Amount
Operations	0
Fixed Capital Outlay	4,000,000
Total State Funds Requested	4,000,000

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)	4,000,000	100%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	0	0%
Other	0	0%
Total Project Costs for Fiscal Year 2023-2024	4,000,000	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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Yes

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

Revenue: \$69.5M Direct Student Aid and \$85.2M Institutional Support. Expenses: 1) \$69.5M Direct Student Aid; 2) \$85.2M Campus Operations: \$57.2M-Lost revenues in campus auxiliaries; \$8.7M-Campus health/safety; \$8.2M-Reimbursements for housing/study abroad/meal plans; \$1.0M-IT infrastructure and equipment for remote/distance learning; \$0.4M Off-campus quarantine housing; \$9.7M-Other operating costs

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)?

No

c. What is the estimated start date of construction?

TBD

d. What is the estimated completion date of construction?

TBD

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.

N/A

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		0
Expense/Equipment/Travel/Supplies/Other		0
Consultants/Contracted Services/Study		0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Research space (40 ft x 60 ft) and supporting infrastructure for handling hydrogen to make FSU a credible partner for a U.S. Department of Energy Hydrogen Hub. For safety, this proposed research space must be separated from normally occupied space.	4,000,000
Total State Funds Requested (must equal total from question #6)		4,000,000

14. Program Performance

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



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The proposed Hydrogen Lab will allow FSU to secure a national leadership position in the green H2 economy by leveraging existing capabilities and industry partnerships. The FSU Hydrogen Lab will develop new technology that leads to economic returns to the region and will help train the talent needed to support this burgeoning industry.

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

FSU will co-lead a statewide effort in hydrogen technologies alongside FAMU, UCF, FAU, and H2Gen. This funding will be used to construct a dedicated facility for the Hydrogen Research Center so FSU will be seen as a serious contender to be a hydrogen hub as part of the U.S. Department of Energy's clean hydrogen initiatives.

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

The construction of the Hydrogen Research Center will provide opportunities for businesses in Innovation Park and across Tallahassee. Inter-university collaboration among FSU, FAMU, UCF, and FAU will provide research and academic opportunities for students across Florida.

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

The target population is FSU's student body, made up of 45,000 individuals, as well as the student populations of FAMU, UCF, and FAU.

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

This project will improve the quality of education at universities across the state of Florida. The Hydrogen Lab will offer more opportunities to students, industry technicians, and professions. Students will become equipped to obtain jobs in the burgeoning hydrogen energy industry. This project will also improve environmental quality by reducing carbon emissions through an increased use of hydrogen energy. Additionally, the Hydrogen lab will improve transportation conditions. FSU's eventual production of green energy can contribute to hydrogen fueling stations for vehicles along the I-10 corridor in Tallahassee.

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?

Revert state appropriation and withhold future funding for this initiative.

15. Requester Contact Information

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

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



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☒ 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