



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2024-2025

LFIR # 3126

1. Project Title

2. Senate Sponsor

3. Date of Request

4. Project/Program Description

The Center for Energy Independence positions our university as a national leader in the hydrogen economy, enhancing our energy independence. Leveraging existing capabilities and industry partnerships, the lab will develop key technologies, driving economic growth in the region and fostering the skilled workforce needed for this growing industry.

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 | 0 |
| Fixed Capital Outlay | 6,000,000 |
| Total State Funds Requested | 6,000,000 |

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) | 6,000,000 | 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 2024-2025 | 6,000,000 | 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.

N/A

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

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



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2024-2025

LFIR # 3126

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
 N/A

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.

Florida State University is a Public State University.

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 | Establish a 40 ft x 60 ft research space with dedicated infrastructure for handling hydrogen and other energy sources, pushing Florida to be a leader in Energy Independence. To ensure safety, this research area will be isolated from regularly occupied spaces. Reconstruct the 1000 sqft off grid net zero emission household, which is representative of low-medium income households in Florida in order to facilitate alternative energy generation. | 6,000,000 |
| Total State Funds Requested (must equal total from question #6) | | 6,000,000 |

14. Program Performance

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



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2024-2025

LFIR # 3126

This funding will be used to construct a dedicated facility for the research of hydrogen as an energy efficient alternative. The Center for Energy Independence 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?

Conduct research to improve the efficiency of hydrogen liquefaction, since major transportation applications (such as aircraft) gain safety and endurance advantages by using tanks of LH2. Provide additional resiliency to households in the event of natural disasters and overall capacity constraints of aging electrical power grid.

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

Teach students, industry technicians, and professionals who will work in a hydrogen economy and give them hands on experience, and conduct research to improve the efficiency of hydrogen liquification, since major transportation applications (such as aircraft) gain safety and endurance advantages by using tanks of LH2.

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

Students will be served through this project by being prepared for jobs in the burgeoning hydrogen energy industry.

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

Establish Florida as a leader in Energy Independence.

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
- University or College
- Other (please specify)



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2024-2025

LFIR # 3126

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