



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2024-2025

LFIR # 3680

1. Project Title

2. Senate Sponsor

3. Date of Request

4. Project/Program Description

Florida State University's National High Field Magnetics Laboratory (MagLab) is at the forefront of developing high-temperature superconducting (HTS) magnet technologies, with a focus on applications in energy, medical devices, fusion energy, and transportation. Through this expansion an opportunity has been identified to connect businesses with MagLab expertise, by creating National Superconducting Testbed Facility that meets the emerging needs of companies in industries like healthcare, energy, and aerospace. The proposed Maglab expansion, will serve private sector companies on a fee-for-service basis, is seen as a strategic move to boost economic growth, enhance FSU's global recognition, and position Florida as a hub for superconducting technology.
The Governor's recommended budget for FY 24-45 included \$25m in PECO funds for this project.

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	5,000,000
Fixed Capital Outlay	25,000,000
Total State Funds Requested	30,000,000

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)	30,000,000	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	30,000,000	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.

In Lieu of state funding, private funds may be utilized.



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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.

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

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)?

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.

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	These funds will be start-up funds for the HTS ecosystem, focused on economic development activities such as meeting with HTS stakeholders from material suppliers to OEM manufacturers to attract investment funding. A large amount of effort would go toward market data and reports on Large Bore Superconducting Magnet. Another component of this will also be workforce intelligence study to explore the creation of an educational degree in superconduction, which is not available anywhere else.	5,000,000
Fixed Capital Construction/Major Renovation:		



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Construction/Renovation/Land/ Planning Engineering	Funds will be used to Design and construction of a Large Bore Resistive Magnet (LBRM) estimated- \$6m; Maglab Space Expansion estimated- \$16m; and Design of a Large Bore Superconducting Magnet (LBSM) estimated- \$3m	25,000,000
Total State Funds Requested (must equal total from question #6)		30,000,000

14. Program Performance

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

The requested funds will be allocated to establish and equip a Maglab expansion to house high-temperature superconducting (HTS) magnet testbed facility. These funds will facilitate the construction of specialized infrastructure, acquisition of essential equipment, and the development of a cutting-edge research environment. The specific goal is to create a collaborative hub where private sector companies can access shared facilities, driving innovation, and accelerating the commercialization of superconducting magnetic technologies in various industries such as energy, healthcare, and aerospace.

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

The capital funds will be used to expand the maglab in order to provide the space for the LBSM and LBRM. This industrial wing of the maglab will be used for both commercial and research purposes. Capital funds will also be used to design and construct LBRM and design LBSM. Operating start-up funds will be used for economic development activities to bring in the private investors and industry giants to use the LBRM and LBSM on a fee-for-service structure through FSU.

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

The project aims to benefit citizens by fostering economic growth and job creation in Tallahassee through the establishment of the National Superconducting Testbed Facility. This initiative will attract businesses to the region, leading to high-wage job opportunities and increased economic activity. Additionally, the advancement of superconducting magnet technologies may have broader societal implications, such as improvements in medical diagnostics and cleaner energy solutions, directly impacting citizens' well-being and the environment.

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

The target population served by this project includes researchers, engineers, and professionals in industries related to high-temperature superconducting magnet technologies. The broader community in Tallahassee may indirectly benefit through job creation and economic growth.

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

The expected benefit of the project is to establish Tallahassee as a hub for superconducting magnet technologies, fostering economic growth, job creation, and innovation in various industries. The outcome will be measured by the level of utilization and success of the National Superconducting Testbed Facility, including the number of businesses attracted, job opportunities created, and advancements in high-temperature superconducting technologies achieved. Key performance indicators may include facility usage rates, industry partnerships formed, and the successful commercialization of technologies developed within the facility.

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 funds and withhold future funding for this initiative.

15. Requester Contact Information

a. First Name **Last Name**

b. Organization

c. E-mail Address



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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)

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