



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2023-2024

LFIR # 2872

1. **Project Title**

2. **Senate Sponsor**

3. **Date of Request**

4. **Project/Program Description**

Interested University partners with farm to perform a pilot research project using microwave plasma energy on biowaste. The goal is to study the gassification of biowaste and study the conversion of biowaste into fertilizer using nitrogen fixation. Biowaste is a problem (particularly for dairy farmers). Gassifying biowaste (with no harm to the environment) and/or turning biowaste into high value fertilizer could provide a valuable solution. The University will also benefit by participating in the valuable research. University must partner with a farm and industry partner that contributes a >=10KW microwave plasma torch.

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

State Agency contacted? No

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

Type of Funding	Amount
Operations	1,100,000
Fixed Capital Outlay	900,000
Total State Funds Requested	2,000,000

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)	2,000,000	50%
Matching Funds		
Federal	0	0%
State (excluding the amount of this request)	0	0%
Local	0	0%
Other	2,000,000	50%
Total Project Costs for Fiscal Year 2023-2024	4,000,000	100%

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

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

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

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.

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)?

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.

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	Acquisition of a second Microwave Plasma Torch greater or equal to 10 Kilowatts of energy (in addition to the one provided by the industry partner).	1,100,000
Consultants/Contracted Services/Study		0
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering	Development and production of Microwave Plasma torch compatible reactor.	900,000
Total State Funds Requested (must equal total from question #6)		2,000,000

14. Program Performance

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

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



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The industry partner will have to provide a plasma torch to ensure the project can move forward.

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

None other than to the farmer benefitting from the removal of biowaste.

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

One farmer will have to participate in the research pilot.

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

The benefit is the research to the farming community in Florida on the ability to gassify biowaste or to convert biowaste into fertilizer, which could be a revenue source to farmers. The measure of success will be the participating university's analysis of the pilot project.

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?

Return of funds.

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)

d. First Name Last Name
 e. E-mail Address
 f. Phone Number

17. Lobbyist Contact Information



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a. Name	<input type="text" value="Adrian Lukis"/>
b. Firm Name	<input type="text" value="Ballard Partners"/>
c. E-mail Address	<input type="text" value="adrian@BALLARDPARTNERS.COM"/>
d. Phone Number	<input type="text" value="(850)577-0444"/>