



The Florida Senate

Local Funding Initiative Request

Fiscal Year 2019-2020

LFIR#: 1132

1. Title of Project: Lake Worth Florida Ocean Current Energy: Phase 1

2. Senate Sponsor: Lori Berman

3. Date of Submission: 02/04/2019

4. Project/Program Description:

According to the US Department of Energy (DOE), Florida is the third largest electricity consumer in the nation. With a steady influx of new Floridians, growth of the business sector, and unstable oil prices, creating new channels for electric generation is critical for the future of the State. The Gulf Stream off the east coast of Florida provides an exciting new opportunity for the State to diversify its electric sources and become a leader in Ocean Current Energy technology. Florida Atlantic University, Southeast National Marine Renewable Energy Center (SNMREC) is one of three research centers sanctioned by DOE to harness the power of the ocean. The City of Lake Worth is in the enviable position of close proximity to the Gulf Stream Ocean Current, with a municipal electric company that would allow for a shore based connection between off-shore power generation to an on-shore grid. The City has entered into an Agreement with SNMREC to further development of such infrastructure.

5. State Agency to receive requested funds : Department of Environmental Protection

State Agency Contacted? No

6. Amount of the Nonrecurring Request for Fiscal Year 2019-2020

Type of Funding	Amount
Operations	2,500,000
Fixed Capital Outlay	
Total State Funds Requested	2,500,000

7. Total Project Cost for Fiscal Year 2019-2020 (including matching funds available for this project)

Type of Funding	Amount	Percent
Total State Funds Requested (from question #6)	2,500,000	100.00%
Federal	0	0.00%
State (excluding the amount of this request)	0	0.00%
Local	0	0.00%
Other	0	0.00%
Total Project Costs for Fiscal Year 2019-2020	2,500,000	100.0%

8. Has this project previously received state funding? No

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

9. Is future-year funding likely to be requested? Yes



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a. If yes, indicate non-recurring amount per year. 4,000,000

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:		
Salary and Benefits		
Expense/Equipment/Travel/Supplies/Other		
Consultants/Contracted Services/Study	Preliminary permitting planning and requirements development, preliminary submarine cable engineering, shore connection site selection, preliminary marine survey, and cable route/site selection.	2,500,000
Fixed Capital Construction/Major Renovation:		
Construction/Renovation/Land/Planning Engineering		
Total State Funds Requested (must equal total from question #6)		2,500,000

11. Program Performance:

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

Preliminary work has been completed in economic analysis and desk-top design work to assure that ocean current energy is a viable industry cluster for the State of Florida. The next phase will further enable the engineering and design of the connection from the off-shore turbine field to an on-shore grid.

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

The following activities and services will be provided: preliminary permitting planning and requirements development, preliminary submarine cable engineering, shore connection site selection, preliminary marine survey, and cable route/site selection.

c. What are the direct services to be provided to citizens by the appropriations project?

Mr. Sean O'Neill, President of Ocean Renewable Energy Coalition in his Testimony before the Committee on Resources, Subcommittee on Energy and Mineral Resource, United States House of Representatives stated (in part): Development of a robust offshore renewables industry can: • Reduce reliance on foreign oil • Rely upon ocean terrain for power generation as opposed to onshore land resources • Revitalize shipyards, coastal industrial parks and shuttered naval bases • Create jobs in coastal communities • Allow the US to transfer technology to other countries, just as a country like Scotland is exporting its marine renewables know-how •



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Promote coastal planning that reflects the goals of bio-diversity that maximizes best comprehensive use of resources and capitalizes on synergy between offshore industries

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

This project represents cutting-edge technology with not only the potential to generate power using natural horsepower to improve and diversify the South Florida and Treasure coast regional economy, but to put Florida on the national and international map as a leader in forward thinking enhancement of Florida's sustainability. The project is definitely representative of both Clean Tech and Emerging Technology industries. The State and Region which have historically relied on Tourism, Agriculture and Development/Construction, will be able to add another powerhouse to the traditional three legged economic stool.

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

The City of Lake Worth commissioned an economic analysis of the Ocean Energy Cluster by Fishkind & Associates based upon actual data provided by companies operating in the industry. At buildout, ongoing operation are expected to generate \$92.2 million per year. With a projected employment of 545 persons, \$42 million will be paid in annual wages. This does not account for co-located supply chain firms which will require additional land and building space.

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?

Reduction in grant award funding.

12. The owner(s) of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owner(s) of the facility and the entity.

N/A

13. Requestor Contact Information:

- a. **Name:** Michael Bornstein
- b. **Organization:** City of Lake Worth
- c. **E-mail Address:** mbornstein@lakeworth.org
- d. **Phone Number:** (561)586-1689

14. Recipient Contact Information:

- a. **Organization:** City of Lake Worth
- b. **County:** Palm Beach
- c. **Organization Type:**
 - For Profit
 - Non Profit 501(c) (3)
 - Non Profit 501(c) (4)
 - Local Entity
 - University or College



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Other (Please specify)

- d. Contact Name:** Michael Bornstein
- e. E-mail Address:** mbornstein@lakeworth.org
- f. Phone Number:** (561)586-1689

15. Lobbyist Contact Information

- a. Name:** Richard Pinsky
- b. Firm Name:** Akerman LLP
- c. E-mail Address:** richard.pinsky@akerman.com
- d. Phone Number:** (561)671-3692