



The Florida Senate

Local Funding Initiative Request - Fiscal Year 2018-2019

1. **Title of Project:** Fort Meade Phosphorus Reduction

2. **Senate Sponsor:** Rene Garcia

3. **Date of Submission:** 01/18/2018

4. **Project/Program Description:**

The State of Florida, through its Florida Opportunity Fund, has invested in the development of a patented process for the production of phosphoric acid (an essential intermediate product for making phosphate fertilizers) that produces no high volume waste, eliminating approximately 5 tons of solid waste per ton of phosphoric acid production that is currently produced using the conventional process in use in Florida and throughout the world. The process also produces an aggregate material that is expected to be useful in the construction industry. A broad group of US and international investors has deployed more than \$50 million over the last several years to support research and development efforts as well as cover the costs for the construction and operation of a semi-commercial scale demonstration plant in Fort Meade.

5. **State Agency Contacted?** No

a. If yes, which state agency?

b. If no, which is the most appropriate state agency to place an appropriation for the issue being requested?

Department of Environmental Protection

6. **Amount of Non-recurring Requested for fiscal year 2018-19:**

Amount Requested for Operations	Amount Requested for Fixed Capital Outlay	Total Amount of Requested State Funds
750,000		750,000

7. **Type, amount and percent of matching funds available for this project for fiscal year 2018-19:**

Type	Amount	Percent
Federal	0	0.0%
State (excluding the amount of this request)	0	0.0%
Local	0	0.0%
Other	0	0.0%
TOTAL	0	0.0 %

8. **Total Project Cost for fiscal year 2018-19 (including the Total Amount of Requested State Funds):** 750,000

9. **Previous Year Funding Details:**



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- Has funding been provided in a previous state budget for this activity? No
- In the previous 5 fiscal years, how many years was funding provided? (Optional)
- What is the most recent fiscal year the project was funded?
- Were the funds provided in the most recent fiscal year subsequently vetoed?
- Complete the following Worksheet.

FY:	Input Prior FY Appropriation for this project for FY 2017-18 (If appropriated in FY 2017-18 enter the appropriated amount, even if vetoed.)		
	Column:	A	B
Funds Description:		Prior Year Recurring Funds *	Prior Year Nonrecurring Funds *
Input Amounts:			

10. Is future-year funding likely to be requested?

Yes

- If yes, indicate non-recurring amount per year.

\$1,000,000

11. Program Performance:

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

The funds requested will extend the planned operating interval by approximately 120 days to assist with the performance evaluation of the major features of a continuous operation, to manufacture enough product for quality testing , and to support the development of a commercial scale plant.

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

The funds will be used to purchase raw materials, pay for utilities, pay operators and maintenance personnel, pay management salaries, and cover other facility costs necessary for the continuous operation of the plant.

- How will the funds be expended?

Spending Category	Description	Amount
Administrative Costs		
<input checked="" type="checkbox"/> Executive Director/Project Head Salary and Benefits	COO/VP engr. and ops.	80,000



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<input checked="" type="checkbox"/> Other Salary and Benefits	EHS, engineer, acct and laboratory	180,000
<input checked="" type="checkbox"/> Expense/Equipment/Travel/Supplies/Other	Insurance, rent, phone, IT, property taxes, lab, and office supplies	80,000
<input checked="" type="checkbox"/> Consultants/Contracted Services/Study	Legal, IP, and engineering	40,000
Operational Costs		
<input checked="" type="checkbox"/> Salary and Benefits	Operator wages	200,000
<input checked="" type="checkbox"/> Expense/Equipment/Travel/Supplies/Other	Equipment rentals, utilities, plant consumables, raw materials, and R&M	170,000
<input type="checkbox"/> Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation		
<input type="checkbox"/> Construction/Renovation/Land/Planning Engineering		
TOTAL		750,000

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

A successful operating run is necessary for full commercialization of the technology. Successful commercialization will allow a substantial reduction of solid waste produced by the phosphate industry, extension of the life of Florida's phosphate industry by decades, and production of a useful co-product aggregate for use in the construction industry

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

The 40,000 people who are directly or indirectly employed in the phosphate industry. In addition, the successful deployment of this technology is expected to result in the creation of numerous employment opportunities in several central Florida counties.

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

The successful demonstration of the process on a continuous basis is a necessary step to commercialize this new production technique. Production of phosphoric acid and aggregate in quantities sufficient to evaluate their quality and commercial value. Once this is established, it is expected that economic justification of larger plants can be undertaken.



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- g. **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?**

Since these funds will be used to operate a demonstration plant for a new process, penalty provisions are not traditionally applicable.

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.**

The requested funding is for operations and maintenance of existing capital facilities.

13. **Requestor Contact Information:**

- a. **Name:** Dave Blake
- b. **Organization:** JDCDevelopment
- c. **Email:** dblake@jdcphosphate.com
- d. **Phone Number:** (863)285-8607

14. **Recipient Contact Information:**

- a. **Organization:** JDCDevelopment
- b. **County:** Polk
- c. **Organization Type:**
 - ☒ For Profit
 - ☐ Non Profit 501(c) (3)
 - ☐ Non Profit 501(c) (4)
 - ☐ Local Entity
 - ☐ University or College
 - ☐ Other (Please specify)
- d. **Contact Name:** Dave Blake
- e. **E-mail Address:** dblake@jdcphosphate.com
- f. **Phone Number:** (863)285-8607

15. **If there is a registered lobbyist, fill out the lobbyist information below.**

- a. **Name:** Frank Bernadino
- b. **Firm:** Anfield Florida
- c. **Email:** frank@anfieldflorida.com
- d. **Phone Number:** (561)718-2345