

Appropriations Project Request - Fiscal Year 2020-21

For projects meeting the Definition of House Rule 5.14

1. Title of Project: UF/IFAS - Demonstration of Reducing Residential Water Quality Impacts
2. Date of Submission: 11/12/2019
3. House Member Sponsor: Mike Caruso
Members Copied:

4. DETAILS OF AMOUNT REQUESTED:

- a. Has funding been provided in a previous state budget for this activity? No
If answer to 4a is "No" skip 4b and 4c and proceed to 4d, Col. E
- b. What is the most recent fiscal year the project was funded?
- c. Were the funds provided in the most recent fiscal year subsequently vetoed?
- d. Complete the following Project Request Worksheet to develop your request:

FY:	Input Prior Year Appropriation for this project for FY 2019-20 <i>(If appropriated in 2019-20 enter the appropriated amount, even if vetoed.)</i>			Develop New Funds Request for FY 2020-21 <i>(Requests for additional RECURRING funds are prohibited.)</i>		
Column:	A	B	C	D	E	F
Funds Description:	Prior Year Recurring Funds	Prior Year Nonrecurring Funds	Total Funds Appropriated <i>(Recurring plus Nonrecurring: column A + column B)</i>	Recurring Base Budget <i>(Will equal non-vetoed amounts provided in Column A)</i>	Additional Nonrecurring Request	TOTAL Nonrecurring plus Recurring Base Funds <i>(Will equal the amount from the Recurring base in Column D plus the Additional Nonrecurring Request in Column E.)</i>
Input Amounts:					920,000	920,000

5. Are funds for this issue requested in a state agency's Legislative Budget Request submitted for FY 2020-21? No
 - 5a. If yes, which state agency?
 - 5b. If no, which is the most appropriate state agency to place an appropriation for the issue being requested? Department of Education
 - 5c. Has the appropriate state agency for administering the funding, if the request were appropriated, been contacted? Yes
 - 5d. Describe penalties for failing to meet deliverables or performance measures which the agency should provide in its contract to administer the funding if appropriated.
N/A

6. Requester:

- a. Name: Jack Payne
- b. Organization: University of Florida Institute of Food and Agricultural Sciences (UF/IFAS)
- c. Email: jackpayne@ufl.edu
- d. Phone #: (352)392-1971

7. Contact for questions about specific technical or financial details about the project:

- a. Name: Michael Dukes
- b. Organization: University of Florida Institute of Food and Agricultural Sciences (UF/IFAS)
- c. Email: mdukes@ufl.edu
- d. Phone #: (352)392-1864

8. Is there a registered lobbyist working to secure funding for this project?

- a. Name: Mary Ann Hooks
- b. Firm: University of Florida Institute of Food and Agricultural Sci
- c. Email: mahooks@ufl.edu
- d. Phone #: (850)322-7259

9. Organization or Name of entity receiving funds:

- a. Name: Univ of FI Institute of Food and Agricultural Sci (UF/IFAS)
- b. County (County where funds are to be expended): Alachua
- c. Service Area (Counties being served by the service(s) provided with funding): Statewide

10. What type of organization is the entity that will receive the funds? (Select one)

- For Profit
- Non Profit 501(c) (3)
- Non Profit 501(c) (4)
- Local Government
- University or College
- Other (Please describe)

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

The purpose of this project is to scientifically demonstrate a reduction of impacts from the urban sector on Florida’s environment through a variety of activities on residential yards. Researchers will implement and demonstrate the use of soil amendments and other scientifically-proven methods for use of irrigation to residential yards, including compost and other materials.

12. Provide specific details on how funds will be spent. (Select all that apply)

Spending Category	Description	Nonrecurring (Should equal 4d, Col. E) Enter “0” if request is zero for the category
Administrative Costs:		
<input type="checkbox"/> a. Executive Director/Project Head Salary and Benefits		
<input type="checkbox"/> b. Other Salary and Benefits		
<input type="checkbox"/> c. Expense/Equipment/Travel/Supplies/Other		
<input type="checkbox"/> d. Consultants/Contracted Services/Study		
Operational Costs:		
<input checked="" type="checkbox"/> e. Salaries and Benefits	Graduate Students and technicians	180,000
<input checked="" type="checkbox"/> f. Expenses/Equipment/Travel/Supplies/Other	Amendment applications for \$400,000; travel for \$15,000; field supplies for \$25,000 and water quality analysis for \$300,000	740,000
<input type="checkbox"/> g. Consultants/Contracted Services/Study		
Fixed Capital Construction/Major Renovation:		
<input type="checkbox"/> h. Construction/Renovation/Land/Planning Engineering		
TOTAL		920,000

13. For the Fixed Capital Costs requested with this issue (In Question 12, category "h. Fixed Capital Outlay" was selected), what type of ownership will the facility be under when complete? (Select one correct option)

For Profit

Non Profit 501(c) (3)

Non Profit 501(c) (4)

Local Government (e.g., police, fire or local government buildings, local roads, etc.)

State agency owned facility (For example: college or university facility, buildings for public schools, roads in the state transportation system, etc.)

Other (Please describe)

14. Is the project request an information technology project?

No

15. Is there any documented show of support for the requested project in the community including public hearings, letters of support, major organizational backing, or other expressions of support?

Yes

15a. Please Describe:

Letter of supports from Florida Nursery Growers and Landscapers Association and Florida Turfgrass Association and Governor DeSantis Blue Green Algae Task Force Meeting consensus related to storm water treatment Systems and Innovative Technologies and Applications site needs for this demonstration to assess impacts from resident yards.

16. Has the need for the funds been documented by a study, completed by an independent 3rd party, for the area to be served?

Yes

16a. Please Describe:

Complementary work funded by SWFWMD, Tampa Bay Water & Alachua County brought initial results led to the need for this proposal. Initial work is needed to make sure there's potential for statewide scale up this request will provide. BAMP: Implementation of TMDLs for Total Phosphorus by FDEP in Lake Okeechobee Dec 2014; Regional Water Supply Plan: a comprehensive plan for Orange, Osceola, Polk, Seminole & southern Lake counties 2015: Water Demands related to Groundwater;BAMP: Rock & Wekiwa Spring

17. Will the requested funds be used directly for services to citizens?

Yes

17a. What are the activities and services that will be provided to meet the purpose of the funds?

The project consists of identifying and amending soils in 200 diverse residential landscapes over a one-year period. This real-world demonstration project will determine the optimal amendment rate for a broader implementation state-wide.

17b. Describe the direct services to be provided to the citizens by the funding requested.

This real world demonstration project will determine optimal amendment rate to balance landscape quality with water savings and water quality improvement. Irrigation water use will be measured to determine effect of amendments at reducing irrigation. In addition, landscape quality will be assessed to determine customer acceptance. Finally, initial water quality impact will be assessed to determine if amendments may reduce water quality impacts from residential neighborhoods.

17c. Describe the target population to be served (i.e., "the majority of the funds requested will serve these target populations or groups.").

Select all that apply to the target population:

- Elderly persons
- Persons with poor mental health
- Persons with poor physical health
- Jobless persons
- Economically disadvantaged persons
- At-risk youth
- Homeless
- Developmentally disabled
- Physically disabled
- Drug users (in health services)
- Preschool students
- Grade school students
- High school students
- University/college students
- Currently or formerly incarcerated persons
- Drug offenders (in criminal Justice)
- Victims of crime
- General (The majority of the funds will benefit no specific group)
- Other (Please describe): The immediate target population is 200 landscapes to receive amendment material to apply results to a

17d. How many in the target population are expected to be served?

- < 25
- 25-50
- 51-100

- 101-200
- 201-400
- 401-800
- Ⓢ>800

18. What benefits or outcomes will be realized by the expenditure of funds requested? (Select each Benefit/Outcome that applies)

Benefit or Outcome	Provide a specific measure of the benefit or outcome	Describe the method for measuring level of benefit
<input type="checkbox"/> Improve physical health		
<input type="checkbox"/> Improve mental health		
<input type="checkbox"/> Enrich cultural experience		
<input type="checkbox"/> Improve agricultural production/promotion/education		
<input type="checkbox"/> Improve quality of education		
<input checked="" type="checkbox"/> Enhance/preserve/improve environmental or fish and wildlife quality	Reduction in urban irrigation. Reduction in urban landscape fertilization	Measure water use via utility billing data. Measure reduction in fertilizer use based on records from homeowners and management companies.
<input type="checkbox"/> Protect the general public from harm (environmental, criminal, etc.)		
<input type="checkbox"/> Improve transportation conditions		
<input type="checkbox"/> Increase or improve economic activity		
<input type="checkbox"/> Increase tourism		
<input type="checkbox"/> Create specific immediate job opportunities		
<input type="checkbox"/> Enhance specific individual's economic self sufficiency		

<input type="checkbox"/> Reduce recidivism		
<input type="checkbox"/> Reduce substance abuse		
<input type="checkbox"/> Divert from Criminal/Juvenile justice system		
<input type="checkbox"/> Improve wastewater management		
<input checked="" type="checkbox"/> Improve stormwater management	Reduction in nutrients running off into stormwater ponds and waterbodies	Measure water quality (nutrients) in receiving waters.
<input checked="" type="checkbox"/> Improve groundwater quality	Reduction in nutrients leaching from urban landscapes	Measure leaching of nutrients (nitrogen and phosphorus) in urban landscapes.
<input type="checkbox"/> Improve drinking water quality		
<input checked="" type="checkbox"/> Improve surface water quality	Reduction in nutrients running off into stormwater ponds and waterbodies	Measure water quality (nutrients) in receiving waters.
<input type="checkbox"/> Other (Please describe):		

19. Provide the total cost of the project for FY 2020-21 from all sources of funding (Enter "0" if amount is zero):

Type of Funding	Amount	Percent of Total	Are the other sources of funds guaranteed in writing?
1. Amount Requested from the State in this Appropriations Project Request:	920,000	100.0%	N/A
2. Federal:	0	0.0%	No
3. State: (Excluding the requested Total Amount in #4d, Column F)	0	0.0%	No
4. Local:	0	0.0%	No
5. Other:	0	0.0%	No

TOTAL	920,000	100%	
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20. Is this a multi-year project requiring funding from the state for more than one year?

No