

Appropriations Project Request - Fiscal Year 2018-19

For projects meeting the Definition of House Rule 5.14

1. Title of Project: Catastrophic Advanced Technology Testing
2. Date of Submission: 11/14/2017
3. House Member Sponsor: Jeanette Nunez
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 2017-18 <i>(If appropriated in 2017-18 enter the appropriated amount, even if vetoed.)</i> | | | Develop New Funds Request for FY 2018-19 <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: | | | | | 4,218,000 | 4,218,000 |

5. Are funds for this issue requested in a state agency's Legislative Budget Request submitted for FY 2018-19? 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? Office of Insurance Regulation
 - 5c. Has the appropriate state agency for administering the funding, if the request were appropriated, been contacted? No
 - 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.
Return of funds.

6. Requester:

- a. Name: Kenneth Furton
- b. Organization: Florida International University
- c. Email: furtonk@fiu.edu
- d. Phone #: (305)348-2151

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

- a. Name: Michelle Palacio
- b. Organization: Florida International University
- c. Email: palaciom@fiu.edu
- d. Phone #: (305)348-3505

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

- a. Name: Christopher Cantens
- b. Firm: Florida International University
- c. Email: ccantens@fiu.edu
- d. Phone #: (305)348-3505

9. Organization or Name of entity receiving funds:

- a. Name: Florida International University
- b. County (County where funds are to be expended): Miami-Dade
- c. Service Area (Counties being served by the service(s) provided with funding): Miami-Dade

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?

FIU is uniquely positioned to leverage existing preeminent programs and state-of-the-art facilities to create a comprehensive research park focused on assisting the State of Florida in designing and developing infrastructures and communities that are resilient to hurricanes and other types of catastrophic events.

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 checked="" type="checkbox"/> a. Executive Director/Project Head Salary and Benefits | Salary (including fringe benefits) will be used for the first year of a Project Director to oversee and manage the project. | 132,000 |
| <input checked="" type="checkbox"/> b. Other Salary and Benefits | Salaries (including fringe benefits) will be used to hire a senior staff person to organize and manage daily operations. | 86,000 |
| <input type="checkbox"/> c. Expense/Equipment/Travel/Supplies/Other | | |
| <input type="checkbox"/> d. Consultants/Contracted Services/Study | | |
| Operational Costs: | | |
| <input type="checkbox"/> e. Salaries and Benefits | | |
| <input checked="" type="checkbox"/> f. Expenses/Equipment/Travel/Supplies/Other | 1) Equipment to expand Wall of Wind for the testing of down burst tornadoes, expanded storm surge capabilities, and upgrade fan systems; 2) Equipment for advanced data and computing power to | 1,000,000 |

| | | |
|--|--|-----------|
| | advance flooding simulations and enhance inundation mapping for domestic hurricane forecasts. | |
| <input type="checkbox"/> g. Consultants/Contracted Services/Study | | |
| Fixed Capital Construction/Major Renovation: | | |
| <input checked="" type="checkbox"/> h. Construction/Renovation/Land/Planning Engineering | 1) Renovation of Wall of Wind Command Center, 2) Expansion of Titan America Structural Laboratory, 3) Establish a Bridge and Structure Testing Facility connected to the existing Wall of Wind | 3,000,000 |
| TOTAL | | 4,218,000 |

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?

No

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

No

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 proposed CAT5 Research Park will focus on innovative and implementable solutions in five areas: (1) Resilient and Sustainable Infrastructure Solution Center & Testing Facility; (2) Business Resilience Assessment and Recovery; (3) Community Resilience Assessment and Recovery; (4) Advanced Disaster Risk Management; and (5) Public Health and Medical Response to Multiple Hazards.

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

The CAT5 Research Park will (1) contribute to more reliable infrastructure and lifeline systems for the general population, (2) assist businesses improve their disaster preparedness and recovery capabilities, (3) assist communities improve their disaster preparedness and recovery capabilities, (4) assist the state and local governments improve their risk management strategies, and (5) improve public health and medical preparedness for catastrophic events.

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): All Floridians and their health, the state economy and infrastructure, businesses, and governments

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 checked="" type="checkbox"/> Improve physical health | A critical component of building resiliency to catastrophic events is related to improving community resilience to reduce the health impacts of disasters. The Catastrophic Advanced Technology Testing will incorporate the health professions innovative solutions focused on medical responses to disasters. There will be a focus on emergency medical response at times of disasters. | Third party evaluation of strategies and improved capabilities |
| <input checked="" type="checkbox"/> Improve mental health | The Public Health and Medical Response to Multi-hazards will include a component of addressing mental health in disaster response management. | Third party evaluation of strategies and improved capabilities |
| <input type="checkbox"/> Enrich cultural experience | | |

| | | |
|--|--|--|
| <input type="checkbox"/> Improve agricultural production/promotion/education | | |
| <input type="checkbox"/> Improve quality of education | | |
| <input type="checkbox"/> Enhance/preserve/improve environmental or fish and wildlife quality | | |
| <input checked="" type="checkbox"/> Protect the general public from harm (environmental, criminal, etc.) | One state agency and 10 local governments with improved disaster risk management strategies and capabilities | Third party evaluation of strategies and improved capabilities |
| <input checked="" type="checkbox"/> Improve transportation conditions | Three new or improved infrastructure rehabilitation designs | Third party evaluation of designs |
| <input checked="" type="checkbox"/> Increase or improve economic activity | Ten Small and Medium Enterprises (SMEs) with enhanced preparedness plans and risk management strategies | Third party evaluation of improvements |
| <input checked="" type="checkbox"/> Increase tourism | Two major hotels with enhanced and tested response plan to a catastrophic event. | Third party evaluation of improvements |
| <input checked="" type="checkbox"/> Create specific immediate job opportunities | The Catastrophic Advanced Technology Testing facility will provide direct jobs in the operation of the facility and will expand transportation and catastrophic resiliency jobs in local industries. | Third party evaluation of job outcomes |
| <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 type="checkbox"/> Improve stormwater management | | |
| <input type="checkbox"/> Improve groundwater quality | | |
| <input type="checkbox"/> Improve drinking water quality | | |
| <input type="checkbox"/> Improve surface water quality | | |
| <input type="checkbox"/> Other (Please describe): | | |

19. Provide the total cost of the project for FY 2018-19 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: | 4,218,000 | 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 | 4,218,000 | 100% | |

20. Is this a multi-year project requiring funding from the state for more than one year?

No