



## Florida Job Growth Grant Fund Public Infrastructure Grant Proposal

Proposal Instructions: The Florida Job Growth Grant Fund Proposal (this document) must be completed by the governmental entity applying for the grant and signed by either the chief elected official, the administrator for the governmental entity or their designee. Please read the proposal carefully as some questions may require a separate narrative to be completed.

### Governmental Entity Information

Name of Governmental Entity: Florida Atlantic Research and Development Authority

Government Federal Employer Identification Number: [REDACTED]

#### Contact Information:

Primary Contact Name: Andrew Duffell

Title: President & CEO

Mailing Address: 3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Phone Number: (561) 416-6092 Ext. 1402

Email: aduffell@Research-Park.org

### Public Infrastructure Grant Eligibility

Pursuant to section 288.101, F.S., the Florida Job Growth Grant Fund was created to promote economic opportunity by improving public infrastructure and enhancing workforce training. Eligible governmental entities that wish to access this grant fund must submit public infrastructure proposals that:

- Promote economic recovery in specific regions of the state, economic diversification or economic enhancement in a targeted industry. (View Florida's [Targeted Industries here.](#))
- Are not for the exclusive benefit of any single company, corporation or business entity.
- Are for infrastructure that is owned by the public and is for public use or predominately benefits the public.



## 1. Program Requirements:

Each proposal must include the following information describing how the project satisfies eligibility requirements listed on page 1.

- A. Provide the title and a detailed description of the public infrastructure improvements.

2017 Research Park at FAU Infrastructure Improvement Project.

See Appendix 1A.

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- B. Is this infrastructure owned by the public?

Yes       No

- C. Is this infrastructure for public use or does it predominately benefit the public?

Yes       No

- D. Will the public infrastructure improvements be for the exclusive benefit of any single company, corporation or business entity?

Yes       No

- E. Provide a detailed explanation of how the public infrastructure improvements will connect to a broader economic development vision for the community and benefit additional current or future businesses.

See Appendix 1E.

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F. Provide a detailed description of, and quantitative evidence demonstrating, how the proposed public infrastructure project will promote:

- Economic recovery in specific regions of the state;
- Economic diversification; or
- Economic enhancement of a Targeted Industry (View Florida's [Targeted Industries here.](#))
  - As part of this response, describe how the project will promote specific job growth. Include a description of the number of jobs that will be retained or created, the average wages of such jobs, and in which industry(ies) the jobs will be created using the North American Industry Classification System ([NAICS](#)) codes. Where applicable, you may list specific businesses that will retain or grow jobs or make capital investment.
  - Further, include the economic impact on the community, region, or state and the associated metrics used to measure the success of the proposed project.

See Appendix 1F.

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**2. Additional Information:**

A. Is this project an expansion of an existing infrastructure project?

Yes       No

B. Provide the proposed commencement date and number of days required to complete construction of the public infrastructure project.

03/01/2018. 60 days for traffic calming & bus shelters. 22 months for powerlines.

C. What is the location of the public infrastructure? (Provide the road number, if applicable.)

FAU Boulevard, Spanish River Boulevard & NW 35th Street, Boca Raton. See App. 2C.

D. Who is responsible for maintenance and upkeep? (Indicate if more than one are applicable.)

Federal     State     County     City     Other FARDA

E. What permits are necessary for the public infrastructure project?

Various City of Boca Raton permits.

F. Detail whether required permits have been secured, and if not, detail the timeline for securing these permits. Additionally, if any required permits are local permits, will these permits be prioritized?

Permits will be requested as soon as this application is approved, and before contract execution. The City of Boca Raton supports this application - see support letters in Appendix 2K.

G. What is the future land use and zoning designation on the proposed site of the infrastructure improvements, and will the improvements conform to those uses?

Future land use is PI - Institutional, and zoning designation is PL - Public Lands. The Research Park at FAU is governed by an inter local agreement between the Florida Atlantic Research and Development Authority (FARDA) and the City of Boca Raton. The proposed improvements conform to uses appropriate to the development of a research and development park as defined in F.S. 159.27 (2)(7).



H. Will an amendment to the local comprehensive plan or a development order be required on the site of the proposed project or on adjacent property to accommodate the infrastructure and potential current or future job creation opportunities? If yes, please detail the timeline.

Yes       No

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I. Is the project ready to commence upon grant fund approval and contract execution? If no, please explain.

Yes       No

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J. Does this project have a local match amount?

Yes       No

If yes, please describe the entity providing the match and the amount.

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K. Provide any additional information or attachments to be considered for this proposal.

Letters of support attached in Appendix 2K.

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**3. Program Budget**

**Estimated Costs and Sources of Funding:** Include all applicable public infrastructure costs and other funding sources available to support the proposal.

**A. Public Infrastructure Project Costs:**

Construction	<u>\$ 1,310,280</u>
Reconstruction	<u>\$ 0</u>
Design & Engineering	<u>\$ 530,598</u>
Land Acquisition	<u>\$ 0</u>
Land Improvement	<u>\$ 0</u>

Other	<u>\$ 184,088</u>
<b>Total Project Costs</b>	<u><u>\$ 2,024,966</u></u>

Please Specify: Contingency

**B. Other Public Infrastructure Project Funding Sources:**

City/County	<u>\$ 0</u>
Private Sources	<u>\$ 0</u>

Other (grants, etc.)	<u>\$ 0</u>
<b>Total Other Funding</b>	<u><u>\$ 0</u></u>

Please Specify: \_\_\_\_\_

<b>Total Amount Requested</b>	<u><u>\$ 2,024,966</u></u>
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**Note:** The total amount requested must equal the difference between the public infrastructure project costs in 3.A. and the other public infrastructure project funding sources in 3.B.

**C. Provide a detailed budget narrative, including the timing and steps necessary to obtain the funding and any other pertinent budget-related information.**

Please see Appendix 3C. for budget narrative.

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#### 4. Approvals and Authority

- A. If the governmental entity is awarded grant funds based on this proposal, what approvals must be obtained before it can execute a grant agreement with the Florida Department of Economic Opportunity (e.g., approval of a board, commission or council)?

FARDA will need to review and approve any grant agreement at a public meeting.

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- B. If approval of a board, commission, council or other group is needed prior to execution of an agreement between the governmental entity and the Florida Department of Economic Opportunity:

- i. Provide the schedule of upcoming meetings for the group for a period of at least six months.

09/27/2017, 11/15/2017, 01/24/2018, 03/28/2018, 05/23/2018

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- ii. State whether that group can hold special meetings, and if so, upon how many days' notice.

Yes, it can. Seven (7) days' notice are required.

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- C. Attach evidence that the undersigned has all necessary authority to execute this proposal on behalf of the governmental entity. This evidence may take a variety of forms, including but not limited to: a delegation of authority, citation to relevant laws or codes, policy documents, etc.



I, the undersigned, do hereby certify that I have express authority to sign this proposal on behalf of the above-described governmental entity.

Name of Governmental Entity: Florida Atlantic Research and Development Authority

Name and Title of Authorized Representative: Andrew Duffell, President & CEO

Representative Signature: 

Signature Date: August 23, 2017



**Florida Atlantic Research and Development Authority  
Florida Job Growth Grant Fund  
Public Infrastructure Grant Proposal**

**APPENDIX 1A.**

Title and a detailed description of the public infrastructure improvements.

2017 Research Park at FAU Infrastructure Improvement Project.

The Florida Atlantic Research and Development Authority (FARDA) aims to make its Research Park at Florida Atlantic University® safer for, and more attractive to innovative, research-oriented companies that need to locate proximate to Florida Atlantic University (FAU) to advance research, commercialization and the creation of sustainable jobs. The three (3) pieces of infrastructure FARDA aims to improve with this grant application are:

1. Traffic calming along FAU Boulevard. Approximately 30,000 cars per day travel north and south on FAU Boulevard to and from Spanish River Boulevard to access the Research Park, Palm Beach State College and FAU, and when the new I-95 interchange at Spanish River is completed, the volume is expected to increase. The volume and speed of cars travelling this public thoroughfare makes it difficult, and sometimes unsafe, for pedestrians to cross the road to access employment sites and/or the Palm Tran bus stops. Making the work environment safer for pedestrians to cross and for motorists as they travel to/from Palm Beach State College and Florida Atlantic University is in the public's interest, and will make the Research Park a more attractive destination for innovation companies to locate and remain.
2. New generations of employees prefer different modes of transportation, and certainly to have choices. The existing bus stops on FAU Boulevard for Route 94 to and from Tri-Rail leave with no shelter, leaving riders exposed to very hot temperatures, or to getting wet from rain as they wait for the bus. Adding new bus shelters on FAU Boulevard (west and east sides) would encourage the use of more public transportation and to keep riders dry and sheltered from the elements. This new infrastructure would enhance the attractiveness of the thirty-eight (38) companies based in the Research Park as employers of choice, retaining them for longer, and would attract new ones.
3. Burying the remaining powerlines in the Research Park – along NW 35<sup>th</sup> Street and at the intersection of FAU Boulevard and Spanish River Boulevard is a safety measure, and will help retain and attract technology companies. Modern, forward-looking companies expect to do business in a premier environment and having powerlines hanging from wooden poles does not portray that image. Further, buried powerlines provide greater reliability during tropical weather events, and allow for continuity of business and research.

**Florida Atlantic Research and Development Authority  
Florida Job Growth Grant Fund  
Public Infrastructure Grant Proposal**

**APPENDIX 1E.**

Detailed explanation of how the public infrastructure improvements will connect to a broader economic development vision for the community and benefit additional current or future businesses.

The Research Park at FAU has successfully developed into a major employment and research center, focused on innovation and new technology development, housing thirty-nine (39) high-tech companies and five (5) support organizations, which directly employ 1,484 South Floridians (up from 952 in 2011) at an average salary of \$57,739 (as of 12/31/2016\*). The City of Boca Raton has taken significant steps to attract corporate HQ and technology companies, and the Research Park at FAU is a core part of the attraction.

With success come challenges: increased traffic volume and speed makes FAU Boulevard a difficult road for pedestrians to cross safely. Companies within the Research Park need to be able to access each other, and FAU, quickly and easily in order to advance their projects. By calming traffic, making FAU Boulevard safer, we can better retain existing companies in the Research Park, and attract new companies to a lively, safe and integrated destination. The vision of the Research Park is to become the premier destination for innovative technology companies to thrive.

Making FAU Boulevard safer and easier to cross, and installing bus shelters, employees will be more apt to use Palm Tran to connect to Tri-Rail and use public transportation, easing demands on Palm Beach and Broward county roads, and appealing to new generations of employees. In making the Research Park as attractive and safe an environment as possible, it can become the destination of choice for employers looking to be proximate to Florida Atlantic University's (FAU) student body and faculty researchers.

Burying the remaining powerlines in the Research Park is a safety priority and will provide greater continuity of business reliability for the research-intensive companies based in the Research Park, particularly during hurricane season. Forward-looking technology companies and young innovators are attracted to physically attractive environments, and eliminating the powerlines goes a long way to providing that conducive environment for employers to recruit eager employees.

With the opening of the new interchange on I-95 at Spanish River Boulevard in the 4<sup>th</sup> Quarter of 2017, these public infrastructure improvements on and around FAU Boulevard in the Research Park at FAU will contribute to the positive environment in the Research Park, which has become an example for the broader region's technology industry development. The strength of the Research Park is important to both the City of Boca Raton and Palm Beach County's attractiveness for other industries, such as corporate HQ as well. A strong and vibrant Research Park that retains its companies and attracts new ones focused on research with FAU, demonstrates to the corporate

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\* Activities and impacts are measured at the end of each calendar year.

community that Boca Raton, Palm Beach County and South Florida is a place where intellectual capital is growing, and where smart people with young families want to work and live.

Companies like Modernizing Medicine, MobileHelp, Aerospace Technologies Group and Dioxide Materials each look for and hire the brightest minds they can find, and demand a competitive and attractive work environment for their employees, clients and guests to visit. It is therefore important that infrastructure is constantly maintained and improved as the need arises.

**Florida Atlantic Research and Development Authority  
Florida Job Growth Grant Fund  
Public Infrastructure Grant Proposal**

**APPENDIX 1F.**

Detailed description of, and quantitative evidence demonstrating, how the proposed public infrastructure project will promote:

- Economic recovery in specific regions of the state;
- Economic diversification; or
- Economic enhancement of a Targeted Industry.

One of the purposes of FARDA, which operates the Research Park at FAU, is to broaden the economies of Broward and Palm Beach counties, and to foster economic development. The industries represented in the Research Park include: healthcare IT (software), industrial research, engineering services and aircraft parts manufacturing, among others. Further, all companies in the Research Park are engaged in one or more of FAU's pillars of focus for research and education, which is tied to FARDA's other purpose: to support and promote scientific research at FAU. FARDA's energies are focused on Broward and Palm Beach counties generally, and specifically on the real-estate is leases in the City of Boca Raton. The successes of the Research Park contribute to the economic recovery and growth of the City and two county region. Year after year the overall economic impact on the regional economy increases, in 2016 it totaled \$643.5 million and could go higher if it continues to retain and attract job creating companies.

At the end of 2016, each company in the Research Park was asked about its hiring intentions for 2017: the companies in the Research Park want and need to hire 300 additional employees in 2017, and by enhancing and improving the physical, public infrastructure of the Research Park, it is easier for companies to attract the top talent.

Further, more companies in targeted industries will be attracted to locate and grow their companies in the Research Park in proximity to one another, and to FAU's resources, thereby further enhancing the cluster of innovation that has developed already. It is important for employers to offer safe and convenient to access facilities for employees: making public transportation more attractive, more young employees will be enticed to work in the Research Park at FAU.

The 1,484 direct employees of the companies in the Research Park at FAU earn an average salary of \$57,739, which is 21% and 25% higher than Palm Beach and Broward counties' averages, respectively. The activities of the companies based in the Research Park enhance the target industries of: cleantech, life sciences, infotech, aviation, financial/professional services and emerging technologies by, among other initiatives, engaging the academic, research and student resources at Florida Atlantic University and Palm Beach State College. These industries are enhanced not just by the economic activities and products of the companies involved, but also benefit from the private investment capital secured by the companies in the Research Park. In 2016 \$30.1 million was raised from private sources by the companies based in the Research Park. Modernizing Medicine alone has raised \$231 million in 2017.

The Research Park has increasingly been viewed as a promising destination for technology companies focused on research, to base themselves, as can be seen by the increase in new U.S. patent awards and applications from fourteen (14) in 2014 to forty (40) in 2016. In order to keep the trend growing, the Research Park must be perceived by entrepreneurs and university collaborators as the ideal place to locate their company: safe, secure, pedestrian friendly, convenient access to the university campus and public transportation and physically attractive. The consistent increase in U.S. patent production contributes significantly to the diversification of the economies of Broward and Palm Beach counties. Further, ninety-two percent (92%) of the companies in the Research Park and TBI are in industries defined by the Brookings Institution as advanced industries\*. These industries have an outsized impact on the gross domestic product (GDP) of the United States, and therefore the more advanced industry companies that are located in Florida, the more advanced, diverse and productive the economy becomes.

Since 2011 the Research Park has recorded its overall economic impact on the Palm Beach and Broward county economies, and it has increased from \$273.9 in 2011 to \$643.5 in 2016. Number of jobs, average salaries, private investment secured, and student interns employed and future hiring expectations are all metrics recorded each year to measure success and inform decision-making. It is expected that the 2017 economic impact will exceed \$700 million, and that the existing 1,484 jobs will be retained; the 2016 survey of Research Park companies showed hiring managers expected to hire an additional three hundred (300) employees throughout 2017. If the infrastructure continues to improve in the Research Park, managers have more incentive to grow here.

Specifically, it is expected that Modernizing Medicine (NAICS: 511210) will continue to hire employees at its Research Park location, as well as its new facility. It should be noted that the company's recently announced expansion was made possible, in part, by the support and resources of the Research Park, where the company has been based since 2010. MobileHelp (NAICS: 621610) has grown in the Research Park to now employ almost two hundred (200) people, and was recently acquired by Boston-based private equity firm ABRY. This company was created and grown in the Research Park, and the community is working to retain it here long-term. Aerospace Technologies Group (NAICS: 336413) has grown in the Research Park since 2010, and was visited by Governor Scott in July 2016 to recognize its job creation. The company has expanded its footprint in the Research Park to include an additional 30,000 square feet; as it continues to grow relocation possibilities will be examined for efficiencies and proximity to customers. Retention of an innovative company like this is important to the diversification and strengthening of the regional economy into growth industries involving STEM, like aviation.

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\* Brookings Institution. (2015). *America's Advanced Industries*. Washington, DC: Author.

APPENDIX 2C.



Imagery ©2017 Google, Map data ©2017 Google United States 200 ft

Proposed powerline burial indicated in red.

Proposed bus shelters indicated in with yellow star.

Proposed traffic calming devices between yellow stars.

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Wellington Regional Medical Center  
Workscapes



August 1, 2017

Andrew Duffell, President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Re: Florida Job Growth Grant Fund

Dear Andrew,

The Business Development Board of Palm Beach County is pleased to support the Florida Job Growth Grant Fund application prepared by the Florida Atlantic Research and Development Authority (FARDA) to promote economic opportunity by improving public infrastructure. The BDB values its partnership with FARDA as an economic development driver in innovation and discovery, and shares its mission to promote economic diversification and to promote research and development in affiliation with FAU.

FARDA's Research Park at Florida Atlantic University (Research Park) is home to twenty companies and organizations in targeted industries which, together employ 1,484 people with average salaries of \$57,739, including 149 FAU alumni and 107 FAU student interns, and has the capacity to add more job creating companies.

Continuing improvement and enhancement of public infrastructure will ensure that our community is able to attract and retain cutting-edge technology companies diversifying our economy and providing more job opportunities to its residents throughout Palm Beach County.

I look forward to working with you on these and other exciting projects in the future.

Yours sincerely,

Kelly Smallridge  
President & CEO



110 East Broward Blvd.  
Suite 1990  
Fort Lauderdale, FL 33301

954.524.3113 | local  
954.524.3167 | fax  
800.741.1420 | toll free

August 1, 2017

Andrew Duffell, President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Re: Florida Job Growth Grant Fund

Dear Andrew,

The Greater Fort Lauderdale Alliance is pleased to support the Florida Job Growth Grant Fund application prepared by the Florida Atlantic Research and Development Authority (FARDA) to promote economic opportunity by improving public infrastructure. The Alliance values its partnership with FARDA as a cross-county economic development driver, and shares its mission to promote economic diversification and to promote research and development in affiliation with FAU throughout South Florida.

FARDA's Research Park at Florida Atlantic University (Research Park) is home to twenty companies and organizations in targeted industries which, together employ 1,484 people with average salaries of \$57,739, including 149 FAU alumni and 107 FAU student interns, and has the capacity to add more job creating companies in the geographic center of South Florida.

Continuing improvement and enhancement of public infrastructure will ensure that our community is able to attract and retain cutting-edge technology companies, diversifying our economy and providing more job opportunities to its residents throughout the region.

I look forward to working with you on these and other exciting projects in the future.

With warm regards, I remain  
Sincerely,

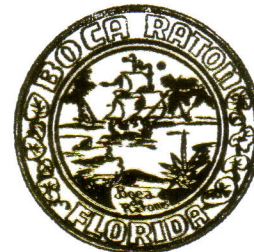
A handwritten signature in blue ink that reads "Bob Swindell".

Bob Swindell  
President & CEO



# CITY OF Boca Raton

201 W. PALMETTO PARK ROAD • BOCA RATON, FLORIDA 33432 • PHONE (561) 393-7708 • FAX (561) 367-7014  
www.myboca.us



MAYOR  
Susan Haynie

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Robert S. Weinroth

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Jeremy Rodgers

August 7, 2017

Andrew Duffell, President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Re: Florida Job Growth Grant Fund

Dear Andrew,

The City of Boca Raton is pleased to support the Florida Atlantic Research and Development Authority's Florida Job Growth Grant Fund application to Governor Scott for infrastructure improvements in the Research Park at Florida Atlantic University. The City is a long-time supporter and partner of the Research Park at FAU's mission and its drive to improve its infrastructure.

The Research Park at FAU has become a critical component of the attractiveness of Boca Raton as a corporate headquarters location and center for innovation, as well as a valuable asset to the students of Florida Atlantic University, Palm Beach State College and Lynn University as they seek internships during their studies, and their first careers after graduation.

Not only will improving the public infrastructure in the Research Park at FAU help us retain the twenty companies with more than 1,400 existing employees and attract more companies to our community to work with Florida Atlantic University on new discoveries and technologies, but it will also improve the safety of FAU Boulevard and add to the aesthetic of the Research Park at FAU as a destination which is of great importance to the people of our City.

I look forward to working with you on the exciting projects to come.

Yours sincerely,

A handwritten signature in blue ink that reads "Susan Haynie".

Susan Haynie  
Mayor



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# FLORIDA ATLANTIC UNIVERSITY

## Office of the President

August 1, 2017

Andrew Duffell, President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Re: Florida Job Growth Grant Fund

Dear Andrew,

Florida Atlantic University (FAU) is pleased to support the Florida Job Growth Grant Fund application prepared by the Florida Atlantic Research and Development Authority (FARDA) to promote economic opportunity by improving public infrastructure. FAU values its partnership with FARDA, and shares its mission to promote economic diversification and to promote research and development in affiliation with FAU.

FARDA's Research Park at Florida Atlantic University (Research Park) is home to twenty companies and organizations in targeted industries which, together employ 1,484 people with average salaries of \$57,739, including 149 FAU alumni and 107 FAU student interns, and has the capacity to add more job creating companies.

Several important industry partners of FAU are based in the Research Park, and ensuring their retention in our area is important to FAU. Therefore improving the safety and utility of the infrastructure in the Research Park is in the best interests of FAU and its community. Furthermore, the infrastructure improvements planned by FARDA will also improve FAU students' journey to class each day as the new I-95 interchange at Spanish River Boulevard becomes a major thoroughfare into the University as well as the Research Park.

I look forward to working with you on these and other exciting projects in the future.

Sincerely,



John Kelly  
President



**County Administration**

P.O. Box 1989

West Palm Beach, FL 33402-1989

(561) 355-2030

FAX: (561) 355-3982

www.pbcgov.com



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Hal R. Valeche

Dave Kerner

Steven L. Abrams

Mary Lou Berger

Mack Bernard

**County Administrator**

Verdenia C. Baker

"An Equal Opportunity  
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Official Electronic Letterhead

August 17, 2017

Andrew Duffell, President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Re: Florida Job Growth Grant Fund

Dear Andrew,

Palm Beach County is pleased to support the Florida Job Growth Grant Fund application prepared by the Florida Atlantic Research and Development Authority (FARDA) to promote economic opportunity by improving public infrastructure. Palm Beach County values its partnership with FARDA as one of its founding entities, and shares its mission to promote economic diversification and to promote research and development in affiliation with FAU.

FARDA's Research Park at Florida Atlantic University (Research Park) is home to twenty companies and organizations in targeted industries, which, together employ 1,484 people with average salaries of \$57,739, including 149 FAU alumni and 107 FAU student interns, and has the capacity to add more job creating companies.

Continuing improvement and enhancement of public infrastructure will ensure that Palm Beach County is able to attract and retain cutting-edge technology companies, diversifying our economy and providing more job opportunities to its residents.

I look forward to working with you on these and other exciting projects in the future.

Yours sincerely,

A handwritten signature in black ink that reads "Verdenia C. Baker".

Verdenia C. Baker  
County Administrator

**Troy M. McLellan, CCE, FCCP**  
President & CEO

July 28, 2017

Andrew Duffell, President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Re: Florida Job Growth Grant Fund

Dear Andrew,

The Boca Chamber is pleased to support the Florida Atlantic Research and Development Authority's Florida Job Growth Grant Fund application to Governor Scott for infrastructure improvements in the Research Park at Florida Atlantic University. The Chamber is a long-time supporter of the Research Park at FAU's mission and its drive to improve its infrastructure.

The Research Park at FAU has become a critical component of the attractiveness of Boca Raton as a corporate headquarters and center for innovation, as well as a valuable asset to the students of Florida Atlantic University, Palm Beach State College and Lynn University as they seek internships during their studies, and their first careers after graduation.

Not only will improving the public infrastructure in the Research Park at FAU help us retain the twenty companies with more than 1,400 existing employees and attract more companies to our community to work with Florida Atlantic University on new discoveries and technologies, but it will also improve the safety of FAU Boulevard and add to the aesthetic of the Research Park at FAU as a destination.

I look forward to working with you on the exciting projects to come.

Yours sincerely,



Troy M. McLellan, CCE  
President & CEO



**PALM BEACH STATE**  
**COLLEGE**

OFFICE OF  
THE PRESIDENT

4200 Congress Avenue  
Lake Worth, FL 33461-4796

561-868-3501 TEL  
561-868-3504 FAX

July 31, 2017

Andrew Duffell, President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Re: Florida Job Growth Grant Fund

Dear Andrew,

Palm Beach State College (PBSC) is pleased to support the Florida Job Growth Grant Fund application prepared by the Florida Atlantic Research and Development Authority (FARDA) to promote economic opportunity by improving public infrastructure. PBSC values its partnership with FARDA, and shares its mission to promote economic diversification and to ensure our students have access to high paying, high quality, and sustainable jobs in the community.

FARDA's Research Park at Florida Atlantic University (Research Park) is home to twenty companies and organizations in targeted industries, which together employ 1,484 people with average salaries of \$57,739, and has the capacity to add more job creating companies adjacent to PBSC's Boca Raton campus.

Several important industry employer partners of PBSC are based in the Research Park, and ensuring their retention in our area is important to the College. Therefore, improving the safety and utility of the infrastructure in the Research Park is in the best interests of PBSC and its community. Furthermore, the infrastructure improvements planned by FARDA will also improve PBSC students' journey to class each day as the new I-95 interchange at Spanish River Boulevard becomes a major thoroughfare into the College, as well as the Research Park and FAU.

I look forward to working with you on these and other exciting projects in the future.

Sincerely,

Ava L. Parker, J.D.  
President



903 NW 35th Street  
Boca Raton, FL 33431  
561-391-2202  
BocaAirport.com

August 2, 2017

Andrew Duffell, President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Re: Florida Job Growth Grant Fund

Dear Andrew,

The Boca Raton Airport Authority (BRAA) is pleased to support the Florida Job Growth Grant Fund application prepared by the Florida Atlantic Research and Development Authority (FARDA) to promote economic opportunity by improving public infrastructure. BRAA values its partnership with FARDA as a public entity, based on public land, to promote economic development and diversity, sharing its mission to promote our community as a destination for business, and to promote research and development in affiliation with FAU throughout South Florida.

FARDA's Research Park at Florida Atlantic University (Research Park) is home to twenty companies and organizations, including BRAA, in targeted industries which, together employ 1,484 people with average salaries of \$57,739, including 149 FAU alumni and 107 FAU student interns, and has the capacity to add more job creating companies in the geographic center of South Florida.

Continuing improvement and enhancement of public infrastructure will ensure that the public has safer access to both the Research Park and the BRAA headquarters which is also a public economic development asset, and will help our community attract and retain cutting-edge technology companies, diversifying our economy and providing more job opportunities to its residents throughout the region.

I look forward to working with you on these and other exciting projects in the future.

Yours sincerely,

A handwritten signature in blue ink that reads 'Clara Bennett'.

Clara Bennett  
Executive Director



August 22, 2017

Andrew Duffell, President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Re: Florida Job Growth Grant Fund

Dear Andrew:

Modernizing Medicine is pleased to support the Florida Job Growth Grant Fund application prepared by the Florida Atlantic Research and Development Authority (FARDA) to promote economic opportunity by improving public infrastructure. Modernizing Medicine values its partnership with FARDA and Florida Atlantic University (FAU), and works hard to integrate its work to that of the university community, both in research as well as with the student body.

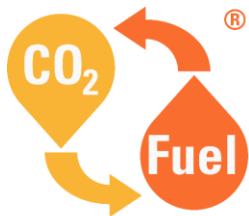
Modernizing Medicine has been based in FARDA's Research Park at Florida Atlantic University (Research Park) since 2012, and has thrived in this environment. Recently we were honored to host Governor Scott at our offices to announce our expansion, adding over 800 new jobs in Boca Raton. It is important to Modernizing Medicine that all of its corporate locations are in competitive, attractive, safe and appealing locations. In addition to our company, the Research Park is home to nineteen other companies and organizations in targeted industries which, together employ 1,484 people with average salaries of \$57,739, including 149 FAU alumni and 107 FAU student interns, and has the capacity to add more job creating companies.

Improving the safety and utility of the infrastructure in the Research Park is in the interests of Modernizing Medicine as well as the community at large: infrastructure improvements planned by FARDA will improve the commute of our employees each day as the new I-95 interchange at Spanish River Boulevard becomes a major thoroughfare into the Research Park, for example. Our employees would welcome the opportunity to consider public transportation if it were more accessible, and adding shelter to the bus stops in the Research Park would help in this regard.

I look forward to working with you on these and other exciting projects in the future.

Yours sincerely,

Daniel Cane  
Chief Executive Officer



# Dioxide Materials™

## The CO<sub>2</sub> Recycling Company™

Professor Richard I Masel  
3998 FAU Blvd  
Suite 300  
Boca Raton FL, 33431-6429

Phone: 217-239.1400  
Phone: 561.613.1991  
Email: rich.masel@dioxidematerials.com  
URL: <http://www.dioxidematerials.com>

August 21, 2017

Andrew Duffell, President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Re: Florida Job Growth Grant Fund

Dear Andrew,

Dioxide Materials is pleased to support the Florida Job Growth Grant Fund application prepared by the Florida Atlantic Research and Development Authority (FARDA) to promote economic opportunity by improving public infrastructure. Mobile Help values its partnership with FARDA and Florida Atlantic University (FAU), and works hard to integrate its work to that of the university community, both in research as well as with the student body.

Dioxide Materials has been based in FARDA's Research Park at Florida Atlantic University (Research Park) since 2015, and has thrived in this environment. It is important to Dioxide Materials that its corporate HQ location be in a competitive, attractive, safe and appealing setting in order to appeal to potential employees and to welcome clients and guests to. In addition to our company, the Research Park is home to nineteen other companies and organizations in targeted industries which, together employ 1,484 people with average salaries of \$57,739, including 149 FAU alumni and 107 FAU student interns, and has the capacity to add more job creating companies.

Improving the safety and utility of the infrastructure in the Research Park is in the interests of Dioxide Materials as well as the community at large: infrastructure improvements planned by FARDA will improve the commute of our employees each day as the new I-95 interchange at Spanish River Boulevard becomes a major thoroughfare into the Research Park, for example. Our employees would welcome the opportunity to consider public transportation if it were more accessible, and adding shelter to the bus stops in the Research Park would help in this regard.

I look forward to working with you on these and other exciting projects in the future.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Richard I Masel'.

Richard I Masel  
CEO Dioxide Materials™





August 21, 2017

Mr. Andrew Duffell  
President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Dear Andrew:

**Subject: Florida Job Growth Grant Fund**

Aerospace Technologies Group is pleased to support the Florida Job Growth Grant Fund application prepared by the Florida Atlantic Research and Development Authority (FARDA) to promote economic opportunity by improving public infrastructure. Aerospace Technologies Group values its partnership with FARDA and Florida Atlantic University (FAU), and works hard to integrate its work to that of the university community, both in research as well as with the student body.

Aerospace Technologies Group has been based in FARDA's Research Park at Florida Atlantic University (Research Park) since 2010, and has thrived in this environment. It is important to Aerospace Technologies Group that its corporate HQ location be in a competitive, attractive, safe and appealing setting, to both appeal to potential employees and to welcome clients and guests. Our company is currently going through the strategic research economic gardening program to highlight new areas of strategic opportunity. Subsequently, we expect to pursue some of these new business opportunities to increase our revenues and profitability, and this will likely result in the need to hire more people.

In addition to our company, the Research Park is home to nineteen other companies and organizations in targeted industries, which together employ 1,484 people with average salaries of \$57,739, including 149 FAU alumni and 107 FAU student interns, and which has the capacity to add more job creating companies.

Mr. Andrew Duffel  
August 21, 2017  
Page Two



**AEROSPACE  
TECHNOLOGIES  
GROUP**

INNOVATIONS IN AIR, LAND & SEA

Improving the safety and utility of the infrastructure in the Research Park is in the interests of both Aerospace Technologies Group and the community at large: infrastructure improvements planned by FARDA will improve the commute of our employees each day as the new I-95 interchange at Spanish River Boulevard becomes a major thoroughfare into the Research Park, for example. I am sure our employees would welcome the opportunity to consider public transportation if it were more accessible, and adding shelter to the bus stops in the Research Park would help in this regard.

I look forward to working with you on these and other exciting projects in the future.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Simon Kay". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Simon Kay  
President & CEO

August 22<sup>nd</sup>, 2017

Andrew Duffell, President & CEO  
Florida Atlantic Research and Development Authority  
3651 FAU Boulevard, Suite 400  
Boca Raton, FL 33431

Re: Florida Job Growth Grant Fund

Dear Andrew,

Mobile Help is pleased to support the Florida Job Growth Grant Fund application prepared by the Florida Atlantic Research and Development Authority (FARDA) to promote economic opportunity by improving public infrastructure. Mobile Help values its partnership with FARDA and Florida Atlantic University (FAU), and works hard to integrate its work to that of the university community, both in research as well as with the student body.

Mobile Help has been based in FARDA's Research Park at Florida Atlantic University (Research Park) since 2011, and has thrived in this environment. Soon we will surpass the 200-employee mark, and it is important to Mobile Help that its corporate HQ location be in a competitive, attractive, safe and appealing setting. In addition to our company, the Research Park is home to nineteen other companies and organizations in targeted industries which, together employ 1,484 people with average salaries of \$57,739, including 149 FAU alumni and 107 FAU student interns, and has the capacity to add more job creating companies.

Improving the safety and utility of the infrastructure in the Research Park is in the interests of Mobile Help as well as the community at large: infrastructure improvements planned by FARDA will improve the commute of our employees each day as the new I-95 interchange at Spanish River Boulevard becomes a major thoroughfare into the Research Park, for example. Our employees would welcome the opportunity to consider public transportation if it were more accessible, and adding shelter to the bus stops in the Research Park would help in this regard.

I look forward to working with you on these and other exciting projects in the future.

Yours sincerely,

A handwritten signature in blue ink, appearing to read "R Flippo".

Robert Flippo  
CEO

**Florida Atlantic Research and Development Authority  
Florida Job Growth Grant Fund  
Public Infrastructure Grant Proposal**

**APPENDIX 3C.**

Detailed budget narrative.

Public Infrastructure Costs:

Construction

Traffic calming	\$120,000
Bus shelters (2)	\$54,000
Power lines	\$1,136,280
Sub-total	<u>\$1,310,280</u>

*Traffic calming.* Devices are in pavement crosswalk flashing lights along the designated crosswalk. These would require a small power supply (either solar or from a lighting circuit). The estimated cost is \$120,000 to complete one crosswalk. This includes the area of pavement reconstruction, restriping the cross walk, electrical construction and construction of the flashers. Other solutions such as a signalized intersection and a traffic table were considered, but the solution of the crosswalk flashing lights was deemed to be the most cost effective, aesthetically pleasing and function solution to this challenge.

*Bus shelters.* Manufacture of one (1) shelter is estimated to cost \$27,000. Two (2) are required, one on the northbound side and one on the southbound side of the road. Each is comprised of five stainless steel posts with roof panel, aluminum cross members and a bench unit.

*Powerlines.* Estimates to bury existing powerlines on NW 35<sup>th</sup> Street extending east from FAU Boulevard, and across FAU Boulevard at Spanish River Boulevard, amount to \$668,400. Estimates to bury and otherwise account for third party attachers, such as cable companies, amount to \$902,340. Work includes site restoration (sod, landscaping, pavement, sidewalks), rearrangement of customer electric service entrances (requires electrician) from overhead to underground, customer expense if local inspecting authorities require customer wiring to be brought to current codes, and trenching/backfilling for service laterals. See Image 1, attached.

Reconstruction                      \$0

Design & Engineering

Traffic calming	\$42,000
Bus shelters	\$30,000
Power lines	\$458,598
Sub-total	<u>\$530,598</u>

*Traffic calming.* Engineer will survey the area proposed for the enhanced cross walk; will prepare engineering plans for the area including walkway details, pavement reconstruction, ramps, location for push buttons and electrical plans to supply power to crosswalk; and will permit these plans with the City of Boca Raton. This work is on the Research Park campus and no other permits should be required.

*Bus shelters.* Concrete-slab for anchoring, engineering and installation are estimated to cost \$15,000 per unit. Two (2) are required, one on the northbound side and one on the southbound side of the road.

*Powerlines.* Infrastructure improvements to improve resiliency: the construction of the necessary underground conduits, feeders and equipment to relocate existing above ground utilities, underground to improve resiliency.

Land Acquisition                      \$0

Land is already controlled by FARDA, under lease from the Trustees of the Internal Improvement Trust Fund.

Land Improvement                      \$0

Road already exists and operates, road improvements included above.

Other:

Traffic calming	\$16,200	Contingency & Oversight
Bus shelters	\$8,400	Contingency & Oversight
Power lines	\$159,488	Contingency & Oversight
Sub-total	<u>\$184,088</u>	

It is important to include a contingency on construction and infrastructure projects to account for unforeseen events and circumstances, including potential increase in cost of materials. Oversight of the project work required by staff such as reporting, administration and coordination with contractors is accounted for in the contingency item. Contingency reserves are often calculated at fifteen percent (15%) of the construction budget, however ten percent (10%) was used here to be conservative.

**Total Project Costs                      \$2,024,966**

## APPENDIX 4C.

### RESOLUTION 17-8

**RESOLUTION OF THE FLORIDA ATLANTIC RESEARCH AND DEVELOPMENT AUTHORITY AUTHORIZING AND DIRECTING THE PRESIDENT & CEO TO PREPARE AND SUBMIT AN APPLICATION FOR THE FLORIDA JOB GROWTH GRANT FUND; PROVIDING FOR SEVERABILITY; AND PROVIDING FOR AN EFFECTIVE DATE**

WHEREAS, the Florida Atlantic Research and Development Authority (the “**Authority**”) was created by the county commissions of Palm Beach and Broward counties pursuant to Chapter 159, Florida Statutes;

WHEREAS, the Authority was created specifically to promote and support research at Florida Atlantic University, to promote economic development and to diversify the economic base of Palm Beach and Broward counties; and

WHEREAS, the Florida Job Growth Grant Fund has been created within the Department of Economic Opportunity of the State of Florida to promote economic opportunity by improving public infrastructure and enhancing workforce training; and

WHEREAS, the Governor of the State of Florida has been authorized to approve state or local infrastructure projects that promote economic diversification, or economic enhancement in a targeted industry; and

WHEREAS, the Research Park at Florida Atlantic University (the “Research Park”) is home to twenty companies and organizations in targeted industries, with the capacity to add more job creating companies; and

WHEREAS, the Research Park is home to both the Technology Business Incubator® and Florida Atlantic University’s Tech Runway which both support early-stage entrepreneurs and job creation; and

WHEREAS, in 2016 the Research Park supported 1,484 direct jobs with average salaries of \$57,739, including 149 Florida Atlantic University alumni and 107 Florida Atlantic University student interns; and

WHEREAS, in 2016 the overall economic impact of the activities in the Research Park totaled \$643.5 million; and

WHEREAS, the companies in the Research Park expect to hire more than 300 new employees in 2017; and

WHEREAS, the Authority seeks to make the Research Park as attractive a place as possible to locate and grow innovative businesses;

NOW THEREFORE BE IT RESOLVED BY THE FLORIDA ATLANTIC RESEARCH AND DEVELOPMENT AUTHORITY THAT:

1. Each and every whereas clause set forth above is a true and correct recital and representation and is incorporated herein as if set forth fully.
2. The President & CEO is hereby authorized and directed to prepare, sign and submit an application to the Florida Job Growth Grant Fund on behalf of the Authority.
3. If any section, part of a section, paragraph, sentence, clause, phrase or word of this Resolution is for any reason held or declared to be unconstitutional, inoperative, or void, such holding of invalidity shall not affect the remaining portions of this Resolution and shall construed to have been the legislative intent to pass this Resolution without such unconstitutional, invalid or inoperative part herein, and the remainder of this Resolution after the exclusion of such part or parts shall be deemed to be help valid as if such part or parts had not been included herein, or if this Resolution or any of the provisions hereof shall be held inapplicable to any person, group of persons, property, kind of property, circumstances or set of circumstances, such holdings shall not affect the applicability thereof to any other person, property or circumstances.
4. This Resolution shall be effective upon its adoption.

ADOPTED THIS 26<sup>th</sup> DAY OF JULY, 2017.

BY: *Michael Daszkal*

MICHAEL I. DASZKAL, CHAIR

**CORPORATE SEAL**

**VOTE**



	AYE	NAY
M. Daszkal	✓	
B. Swindell	✓	
D. Flynn	✓	
L. Maier	✓	
R. Parks	✓	
B. Rosetto	✓	
S. Whelchel	✓	