

APPENDIX A

FLORIDA ATLANTIC UNIVERSITY

MASTER RESEARCH AGREEMENT

TASK ORDER NO. 2

This Task Order is issued under Master Research Agreement No. **C-23-32**, between Florida Atlantic University (“UNIVERSITY”) and the City of Pembroke Pines (“SPONSOR”)

Issue Date: February 5, 2025

Principle Investigator: Frederick Bloetscher

Project Title: City of Pembroke Pines Comprehensive Vulnerability Assessment

Period of Performance: February 5, 2026 – June 30, 2026

Funding Amount for this Task: \$ 198,700

Payment Schedule: Completion of deliverables 1 through 3 - \$198,700

Deliverables:

1 FAU will provide to the City, all deliverables for each task for the City to upload to ResilientFloridaGrants@FloridaDEP.gov on or before the Task Due Date listed in the Project Timeline. The Department’s Grant Manager will review the deliverable(s) to verify that they meet the specifications in the Grant Work Plan and the task description, to include any work being performed by any subcontractor(s) and will provide written acceptance or non-acceptance of the deliverable(s) to the City within thirty (30) calendar days. Deliverables that the Department determines are not acceptable must be corrected and resubmitted within thirty (30) calendar days prior to the Agreement’s Date of Expiration, and in coordination with the Department’s Grant Manager. Tasks may include multiple deliverables to be completed.

The Department will accept partial and full deliverables. Incomplete deliverables will not be accepted. A “partial deliverable” is defined as a deliverable consisting of one (1) or more (but not all) subcomponents listed in the deliverable list for a single task, where such subcomponent(s) are delivered to the Department at one hundred percent (100%) completion. A “full deliverable” is defined as a deliverable comprising all subcomponents listed in the deliverable list for a single task, all delivered to the Department at one hundred percent (100%) completion. An “incomplete deliverable” is defined as a

deliverable for which one hundred percent (100%) completion has not been achieved for any of the subcomponents listed in the deliverable list for a single task. A task is considered one hundred percent (100%) complete upon the Department's receipt and approval of all deliverable(s) listed within the task and the Department's approval provided by the Deliverable Acceptance Letter. All deliverables must be received by the Task Due Date and accepted by the Department on or before the Agreement's Date of Expiration, or the Consequences for Non-Performance set forth herein shall apply.

Work will be completed per Attachment 8-A(attached) of the grant agreement.

Deliverables:

1.1: A Final Vulnerability Assessment Report that provides a summary of results and conclusions based on the statutorily-required scenarios and standards in s.380.093, F.S., to include, at a minimum:

- Findings of the gap analysis;
- Recommendations to address the identified data gaps and actions taken to rectify them, if applicable; and
- Details on the modeling process and type of models used during the exposure and sensitivity analyses.

1.2: GIS data including, at a minimum, those listed below. If available, the data should be provided in a single file geodatabase.

- Raster layers with appropriate metadata of the background data compiled that is not publicly available nor already included in the statewide flood vulnerability and sea level rise data set. This data should include locations of critical assets owned or maintained by the Grantee as well as regionally significant assets that are classified and as defined in paragraphs 380.093(2)(a)1-4, F.S.

- Raster layers with results of the exposure analysis (depth of flood water) for each flood scenario as well as the appropriate metadata that identifies the methods used to create the flood layers. Additionally, any other custom, combined or modified flood scenario raster layer used in the assessment and not publicly available.

- Feature class (or shapefile) of asset datasets with the results of the sensitivity analysis for all flood scenarios required by s. 380.093, F.S., including the appropriate metadata that identified the methods used to create the risk layers. The datasets must include an attribute of critical assets, including regionally significant assets, that are impacted by flooding and sea level rise. The feature class must use the template provided in the GIS Data Standards.

1.3: A signed Vulnerability Assessment Compliance Checklist Certification.

1.4: A final list of all meetings hosted or attended by the Grantee. The list must include the type of meeting (Kick-off, Steering Task Force, Public Outreach, Public Presentation), location, date, and time of meeting(s).

1.5: The Grantee will provide the following for each of the meetings identified through deliverable 1.4:

- A copy of the presentation(s) and all materials created in the preparation of or for distribution at the meeting (i.e. social media posts, public announcements, graphics), including a meeting agenda;
- A summary report or meeting minutes that include the meeting purpose, number of attendees, stakeholder recommendations and guidance, and documents decisions and agreed upon outcomes. Steering Task Force meetings must also include information regarding the attendee including name, affiliation, position title, and contact information; and
- A copy of the file or weblink of the video or audio recording from the meeting, if applicable.

1.6: The final Adaptation Plan or Report.

The Scope of Work is as above.

All the terms and conditions of the Master Agreement between UNIVERSITY AND SPONSOR shall apply in full to this Task Order.

IN WITNESS WHEREOF, the parties have agreed and do hereby enter into this Task Order.

SPONSOR

UNIVERSITY

Name: Karl Kennedy

Name: Miriam Campo

Title: City Engineer

Title: Associate VP for Research

Date: _____

Date: _____

ATTACHMENT 8-A
Revised Contract Provisions for Coronavirus State and Local Fiscal Recovery Funds (SLFRF) Agreements

The Department, as a Non-Federal Entity as defined by 2 CFR §200.69, shall comply with the following provisions, where applicable. For purposes of this Grant Agreement between the Department and the Grantee, the term “Recipient” shall mean “Grantee.”

Further, the Department, as a pass-through entity, also requires the Grantee to pass on these requirements to all lower tier subrecipients/contractors, and to comply with the provisions of the award, the SLFRF implementing regulation, including applicable provisions of the OMB Uniform Guidance (2 CFR Part 200), and all associated terms and conditions. Therefore, Grantees must include these requirements in all related subcontracts and/or sub-awards. Grantees can include these requirements by incorporating this Attachment in the related subcontract and/or sub-awards, however for all such subcontracts and sub-awards, the Grantee shall assume the role of the Non-Federal Entity and the subrecipients shall assume the role of the Recipient.

2 CFR PART 200 APPENDIX 2 REQUIREMENTS

1. Administrative, Contractual, and Legal Remedies

The following provision is required if the Agreement is for more than \$150,000. In addition to any of the remedies described elsewhere in the Agreement, if the Recipient materially fails to comply with the terms and conditions of this Contract, including any Federal or State statutes, rules, or regulations, applicable to this Contract, the Non-Federal Entity may take one or more of the following actions.

- A. Temporarily withhold payments pending correction of the deficiency by the Recipient.
- B. Disallow (that is, deny both use of funds and any applicable matching credit for) all or part of the cost of the activity or action not in compliance.
- C. Wholly or partly suspend or terminate this Contract.
- D. Take other remedies that may be legally available.

The remedies identified above, do not preclude the Recipient from being subject to debarment and suspension under Presidential Executive Orders 12549 and 12689. The Non-Federal entity shall have the right to demand a refund, either in whole or part, of the funds provided to the Recipient for noncompliance with the terms of this Agreement.

2. Termination for Cause and Convenience

Termination for Cause and Convenience are addressed elsewhere in the Agreement.

3. Equal Opportunity Clause

The following provision applies if the agreement meets the definition of “federally assisted construction contract” as defined by 41 CFR Part 60-1.3:

During the performance of this Agreement, the Recipient agrees as follows:

- A. The Recipient will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, gender identity, or national origin. The Recipient will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, sexual orientation, gender identity, or national origin. Such action shall include, but not be limited to the following:
 - i. Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Recipient agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
- B. The Recipient will, in all solicitations or advertisements for employees placed by or on behalf of the Recipient, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, or national origin.
- C. The Recipient will not discharge or in any other manner discriminate against any employee or applicant for employment because such employee or applicant has inquired about, discussed, or disclosed the compensation of the employee or applicant or another employee or applicant. This provision shall not apply to instances in which an employee who has access to the compensation information of other employees or applicants as a part of such employee's

essential job functions discloses the compensation of such other employees or applicants to individuals who do not otherwise have access to such information, unless such disclosure is in response to a formal complaint or charge, in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or is consistent with the Recipient's legal duty to furnish information.

- D. The Recipient will send to each labor union or representative of workers with which he has a collective bargaining agreement or other Agreement or understanding, a notice to be provided advising the said labor union or workers' representatives of the Recipient's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
- E. The Recipient will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
- F. The Recipient will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
- G. In the event of the Recipient's noncompliance with the nondiscrimination clauses of this Agreement or with any of the said rules, regulations, or orders, this Agreement may be canceled, terminated, or suspended in whole or in part and the Recipient may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.
- H. The Recipient will include the portion of the sentence immediately preceding paragraph (1) and the provisions of paragraphs (1) through (8) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Recipient will take such action with respect to any subcontractor purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

4. Contract Work Hours and Safety Standards Act

Where applicable, if the Agreement is in excess of \$100,000 and involves the employment of mechanics or laborers, the Recipient must comply with 40 U.S.C. 3702 and 3704, as supplemented by Department of Labor regulations (29 CFR Part 5). Under 40 U.S.C. 3702 of the Act, each Recipient must be required to compute the wages of every mechanic and laborer on the basis of a standard work week of 40 hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times the basic rate of pay for all hours worked in excess of 40 hours in the work week. The requirements of 40 U.S.C. 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous, or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.

5. Rights to Inventions Made Under Agreement

If the Federal award meets the definition of "funding agreement" under 37 CFR §401.2 (a) and the Non-Federal Entity or subrecipient wishes to enter into a contract with a small business firm or nonprofit organization regarding the substitution of parties, assignment or performance of experimental, developmental, or research work under that "funding agreement," the Non-Federal Entity or subrecipient must comply with the requirements of 37 CFR Part 401, "Rights to Inventions Made by Nonprofit Organizations and Small Business Firms Under Government Grants, Contracts and Cooperative Agreements," and any implementing regulations issued by the awarding agency.

6. Clean Air Act (42 U.S.C. 7401-7671q.), the Federal Water Pollution Control Act (33 U.S.C. 1251-1387), and EPA Regulations

If the Agreement is in excess of \$100,000, the Recipient shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control

Act as amended (33 U.S.C. 1251-1387), and by the EPA (40 CFR Part 15). Violations must be reported to the Federal Awarding Agency and the Regional Office of the Environmental Protection Agency (EPA).

- i. The Grantee shall include these requirements for the Clean Air Act and the Federal Water Pollution Act in each subcontract exceeding \$100,000 financed in whole or in part with SLFRF funds.

7. Debarment and Suspension (Executive Orders 12549 and 12689)

The Recipient certifies that it is not listed on the governmentwide exclusions in the System for Award Management (SAM), in accordance with the OMB guidelines at 2 CFR 180 and 2 CF 1200 that implement Executive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 CFR part 1989 Comp., p. 235), “Debarment and Suspension.”

8. Byrd Anti-Lobbying Amendment (31 U.S.C. 1352)

The Recipient certifies that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. If applicable, the Recipient shall disclose any lobbying with non-Federal funds that takes place in connection with obtaining any Federal award, using form SF-LLL, available at:

https://apply07.grants.gov/apply/forms/sample/SFLLL_1_2_P-V1.2.pdf.

- i. Grantees who apply or bid for an award of \$100,000 or more shall file the required certification. Each tier certifies to the tier above that it will not and has not used federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any federal contract, grant, or any other award covered by 31 U.S.C. § 1352. Each tier shall also disclose any lobbying with non-federal funds that takes place in connection with obtaining any federal award. Such disclosures are forwarded from tier to tier, up to the recipient.

9. Procurement of Recovered Materials

The Recipient must comply with Section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act as described in 2 CFR part 200.322.

10. Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment

The Recipients and subrecipients are prohibited from obligating or expending loan or grant funds to procure or obtain; extend or renew a contract to procure or obtain; or enter into a contract (or extend or renew a contract) to procure or obtain equipment, services, or systems that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. See Section 889 of Public Law 115-232 (National Defense Authorization Act 2019). Also, see 2 CFR 200.216 and 200.471.

11. Domestic Preferences for Procurement

The Recipients and subrecipients must, to the greatest extent practical, give preference to the purchase, acquisition, or use of goods, products, or materials produced in the United States in accordance with 2 CFR 200.322.

ADMINISTRATIVE

1. General Federal Regulations

Recipients shall comply with the regulations listed in 2 CFR 200, 48 CFR 31, and 40 U.S.C. 1101 *et seq.*

2. Rights to Patents and Inventions Made Under a Contract or Agreement

Rights to inventions made under this assistance agreement are subject to federal patent and licensing regulations, which are codified at Title 37 CFR Part 401 and Title 35 U.S.C. 200 through 212.

3. Compliance with the Trafficking Victims Protection Act of 2000 (2 CFR Part 175)

Recipients, their employees, subrecipients under this award, and subrecipients' employees may not:

- A. Engage in severe forms of trafficking in persons during the period of time that the award is in effect;
- B. Procure a commercial sex act during the period of time that the award is in effect; or
- C. Use forced labor in the performance of the award or subawards under the award.

4. Whistleblower Protection

Recipients shall comply with U.S.C. §4712, Enhancement of Recipient and Subrecipient Employee Whistleblower Protection. This requirement applies to all awards issued after July 1, 2013 and effective December 14, 2016 has been permanently extended (Public Law (P.L.) 114-261).

Attachment 8-A

- A. This award, related subawards, and related contracts over the simplified acquisition threshold and all employees working on this award, related subawards, and related contracts over the simplified acquisition threshold are subject to the whistleblower rights and remedies in the pilot program on award recipient employee whistleblower protections established at 41 U.S.C. 4712 by section 828 of the National Defense Authorization Act for Fiscal Year 2013 (P.L. 112-239).
- B. Recipients, their subrecipients, and their contractors awarded contracts over the simplified acquisition threshold related to this award, shall inform their employees in writing, in the predominant language of the workforce, of the employee whistleblower rights and protections under 41 U.S.C. 4712.
- C. The Recipient shall insert this clause, including this paragraph C, in all subawards and in contracts over the simplified acquisition threshold related to this award; best efforts should be made to include this clause, including this paragraph C in any subawards and contracts awarded prior to the effective date of this provision.

5. Notification of Termination (2 CFR § 200.340)

In accordance with 2 CFR § 200.340, in the event that the Agreement is terminated prior to the end of the period of performance due to the Recipient's or subcontractor's material failure to comply with Federal statutes, regulations or the terms and conditions of this Agreement or the Federal award, the termination shall be reported to the Office of Management and Budget (OMB)-designated integrity and performance system, accessible through System for Award Management (SAM) currently the Federal Awardee Performance and Integrity Information System (FAPIIS). The Non-Federal Entity will notify the Recipient of the termination and the Federal requirement to report the termination in FAPIIS. See 2 CFR § 200.340 for the requirements of the notice and the Recipient's rights upon termination and following termination.

6. Additional Lobbying Requirements

- A. The Recipient certifies that no funds provided under this Agreement have been used or will be used to engage in the lobbying of the Federal Government or in litigation against the United States unless authorized under existing law.
- B. The Lobbying Disclosure Act of 1995, as amended (2 U.S.C. §1601 et seq.), prohibits any organization described in Section 501(c)(4) of the Internal Revenue Code, from receiving federal funds through an award, grant (and/or subgrant) or loan unless such organization warrants that it does not, and will not engage in lobbying activities prohibited by the Act as a special condition of such an award, grant (and/or subgrant), or loan. This restriction does not apply to loans made pursuant to approved revolving loan programs or to contracts awarded using proper procurement procedures.
- C. Pursuant to 2 CFR §200.450 and 2 CFR §200.454(e), the Recipient is hereby prohibited from using funds provided by this Agreement for membership dues to any entity or organization engaged in lobbying activities.

7. Increasing Seat Belt Use in the United States

Pursuant to Executive Order 13043, 62 FR 19217 (Apr. 18, 1997), Grantee is encouraged to adopt and enforce on-the-job seat belt policies and programs for its employees when operating company-owned, rented or personally owned vehicles.

8. Reducing Text Messaging While Driving

Pursuant to Executive Order 13513, 74 FR 51225 (Oct. 6, 2009), Grantee is encouraged to adopt and enforce policies that ban text messaging while driving and establish workplace safety policies to decrease accidents caused by distracted drivers.

9. Uniform Relocation Assistance and Real Property Acquisitions Act of 1970

Where applicable, 42 U.S.C. §§ 4601-4655 and implementing regulations apply to this Agreement.

COMPLIANCE WITH ASSURANCES

1. Assurances

Recipients shall comply with all applicable assurances made by the Department or the Recipient to the Federal Government during the Grant application process.

FEDERAL REPORTING REQUIREMENTS

1. FFATA

Grant Recipients awarded a new Federal grant greater than or equal to \$30,000 awarded on or after October 1, 2015, are subject to the FFATA the Federal Funding Accountability and Transparency Act ("FFATA") of 2006. The FFATA legislation requires that information on federal awards (federal financial assistance and expenditures) be made available to the public via a single, searchable website, which is www.USASpending.gov.

The Grantee agrees to provide the information necessary, within one (1) month of execution, for the Department to comply with this requirement.

DEPARTMENT OF TREASURY-SPECIFIC

1. Civil Rights Compliance

Recipients of Federal financial assistance from the Treasury are required to meet legal requirements relating to nondiscrimination and nondiscriminatory use of Federal funds. Those requirements include ensuring that entities receiving Federal financial assistance from the Treasury do not deny benefits or services or otherwise discriminate on the basis of race, color, national origin, (including limited English proficiency), disability, age, or sex (including sexual orientation and gender identity), in accordance with the following: Title VI of Civil Rights Acts of 1973 (Section 504), Public Law 93-112, as amended by Public Law 93-516, 29 U.S.C. 794; Title IX of the Education Amendments of 1972 (Title IX), 20 U.S.C. 1681 et seq., and the Department's implementing regulations, 31 CFR 28; Age Discrimination Act of 1975, Public Law 94-135, 42 U.S.C. 6101 et seq., and the Department of Treasury implementing regulations at 31 CFR part 23.

The Department of Treasury will request information on recipients' compliance with Title VI of the Civil Rights Act of 1964, as applicable, on an annual basis. This information may include a narrative describing the recipient's compliance with Title VI, along with other questions and assurances.

SLFRF-SPECIFIC

1. Period of Performance

The Department must obligate all funds from SLFRF by December 31, 2024, and all such obligated funds must be expended by December 31, 2026. As such, the Contractor must submit all invoices by September 30, 2026, unless approved in writing by the Department.

2. Equipment and Real Property Management

Any purchase of equipment or real property with SLFRF funds must be consistent with the Uniform Guidance at 2 CFR Part 200, Subpart D. Equipment and real property acquired under this program must be used for the originally authorized purpose. Consistent with 2 CFR 200.311 and 2 CFR 200.313, any equipment or real property acquired using SLFRF funds shall vest in the non-Federal entity. Any acquisition and maintenance of equipment or real property must also be in compliance with relevant laws and regulations.

SLFRF INFRASTRUCTURE PROJECTS

For all infrastructure projects, the Grantee shall provide the following project information on a quarterly basis to the Department:

- i. Projected/actual construction start date (month/year)
- ii. Projected/actual initiation of operation date (month/year)
- iii. Location details

SLFRF INFRASTRUCTURE PROJECTS OVER \$10 MILLION

For infrastructure projects over \$10 million, the following provisions apply:

1. Wage Certification

Grantees may provide a certification that all laborers and mechanics employed by Grantee in the performance of such project are paid wages at the rates not less than those prevailing, as determined by the U.S. Secretary of Labor in accordance with the Davis-Bacon Act, for the corresponding classes of laborers and mechanics employed projected of a character similar to the contract work in the civil subdivision of Florida in which the work is to be performed. If the Grantee does not provide such certification, the Grantee must provide a project employment and local impact report detailing:

- i. The number of employees of contractors and sub-contractors working on the project;
- ii. The number of employees on the project hired directly and hired through a third party;
- iii. The wages and benefits of workers on the project by classification; and
- iv. Whether those wages are at rates less than those prevailing.

Grantee must maintain sufficient records to substantiate this information upon request.

2. Project Labor Agreements

Grantees may provide a certification that the project includes a project labor agreement, meaning a pre-hire

collective bargaining agreement consistent with the section 8(f) of the National Labor Relations Act (29 U.S.C. 158(f)). If the Grantee does not provide such certification, the Grantee must provide a project workforce continuity plan, detailing:

- i. How the Grantee will ensure the project has ready access to a sufficient supply of appropriately skilled and unskilled labor to ensure high-quality construction throughout the life of the project;
 - ii. How the Grantee will minimize risks of labor disputes and disruptions that would jeopardize timeliness and cost-effectiveness of the project;
 - iii. How the Grantee will provide a safe and healthy workplace that avoids delays and costs associated with workplace illnesses, injuries, and fatalities;
 - iv. Whether workers on the project will receive wages and benefits that will secure and appropriately skilled workforce in the context of the local or regional labor market; and
 - v. Whether the project has completed a labor agreement.
3. Other Reporting Requirements

Grantees must report whether the project prioritizes local hires and whether the project has Community Benefit Agreement, with a description of any such agreement, if applicable.

SLFRF WATER & SEWER PROJECTS

For water and sewer projects, Grantees shall provide the following information to the Department once the project starts, as applicable:

- i. National Pollutant Discharge Elimination System (NPDES) Permit Number, for projects aligned with the Clean Water State Revolving Fund
- ii. Public Water System (PWS) ID number, for projects aligned with the Drinking Water State Revolving Fund.