

SERVICE CONTRACT

THIS AGREEMENT is made and entered into on _____, by the **City of Pompano Beach** ("City") and **Aptim Environmental & Infrastructure, LLC**, a Florida registered foreign limited liability company ("Contractor").

WHEREAS, City requires services which Contractor is capable of providing under the terms and conditions described herein; and

WHEREAS, Contractor is able and prepared to provide such services to City under the terms and conditions set forth herein.

NOW, THEREFORE, in consideration of those mutual promises and the terms and conditions set forth hereafter, the parties agree as follows:

1. *Contract Documents.* This Agreement consists of the Scope of Work and **Request for Qualification (RFQ) – RFQ25-037 Professional Services for Sustainability Projects**, set forth in Exhibit "A" (the "Work") and, the Insurance Requirements set forth in Exhibit "B" both of which are attached hereto and made a part hereof; and all written modifications issued after execution of this Agreement.

2. *Purpose.* The City, on behalf of its Planning Department, desires to contract with Contractor to provide qualified professional services to advance sustainability and resilience initiatives services upon the terms and conditions set forth herein.

3. *Scope of Work.* Contractor shall provide the Scope of Services and **RFQ25-037** set forth in Exhibit "A" and insurance set forth in Exhibit "B" both attached hereto and made a part hereof. If the Work requires Contractor to provide materials or complete the Work within a specified time frame or in accordance with certain plans and specifications, these terms and conditions shall be set forth and included in Exhibit "A" and Contractor agrees to provide said materials or Work in accordance therewith. Contractor and Contractor's heirs, executors, administrators, successors and assigns, do hereby agree to full performance of all covenants contained herein on Contractor's part.

4. *Term of Contract.* This Contract shall be for a **term of three (3) years**, beginning with the date it is fully executed by both parties. After the initial three (3) years, the contract **can be renewed for two (2) additional one-year terms**, subject to the agreement of both parties. The CITY reserves the right to negotiate the terms of its respective agreement with the awarded company.

6. *Maximum Obligation.* City agrees to pay Contractor for performing the Work and providing the required insurance.

7. *Price Formula, Payment and Invoices.*

A. *Price Formula.* City agrees to pay Contractor for performance of the Work set forth in this Agreement as follows:

Services not to exceed Two Hundred Thousand Dollars (\$200,000.00) per CITY's fiscal year.

B. **Payment.** All payments by City shall be made after the Work has been verified and completed. **Scope of Work will be assigned** with each task to be initiated as permitted by funding when and as directed **by City via a Work Authorization.**

Unless disputed by City as provided herein, upon City's receipt of a Proper Invoice as defined in § 218.72, Florida Statutes, as amended, City shall forward Contractor payment for (i) construction services defined as all labor, services, and materials provided in connection with the construction, alteration, repair, demolition, reconstruction, or any other improvement to real property that require a license under Parts I and II of Chapter 489, Florida Statutes, within twenty-five (25) business days and (ii) forty five (45) days for all goods and services provided other than construction services.

City may temporarily remove for review any disputed amount, by line item, from an invoice and shall timely provide Contractor written notification of any such disputed charge. Contractor shall provide clarification and a satisfactory explanation to City, along with revised copies of all such documents if inaccuracies or errors are discovered, within ten (10) days of receipt of City's notice of the disputed amount

In the event City has a claim against Contractor for Work performed hereunder which has not been timely remedied in accordance with the provisions of this Article 7, City may withhold payment for the contested amount, in whole or in part, to protect itself from loss on account of defective Work, claims filed or reasonable evidence indicating probable filing of claims by other parties against Contractor, and/or Contractor's failure to make proper payments to subcontractors or vendors for material or labor. When the reason(s) for withholding payment are removed or resolved in a manner satisfactory to City, payment shall be made.

Resolution of improper payment requests or invoices shall be in accordance with § 218.76, Florida Statutes, as amended.

C. **Invoices** for payment shall be made after the Work has been verified and completed. Contractor shall submit invoices to City on a monthly basis based on progress of each task.

8. *Disputes.* Any factual disputes between City and the Contractor in regard to this Agreement shall be directed to the City Manager for the City, and such decision shall be final.

9. *Contract Administrators, Notices and Demands.*

A. *Contract Administrators.* During the term of this Agreement, the City's Contract Administrator shall be Jean Dolan, Principal Planner, or designee for the Planning Department, and the Contractor's Contract Administrator shall be provided by Contractor upon commencement of services (or their authorized written designee) as further identified below.

B. *Notices and Demands.* A notice, demand, or other communication hereunder by either party to the other shall be effective if it is in writing and sent via registered or certified mail or other trackable delivery service, postage prepaid to the representatives named below or is addressed and delivered to such other authorized representative at the address as that party, from time to time may designate in writing and forward to the other.

If to Contractor: Samantha Danchuk, Manager
6401 Congress Avenue, Suite 140
Boca Raton, FL 33487
Office: 561-391-8102
Email: samantha.danchuk@aptim.com

If to City: Jean Dolan, Principal Planner & Contract Administrator
100 West Atlantic Blvd
Pompano Beach, FL 33060
Office: 954-545-7030
Email: Jean.Dolan@copbfl.com

With a copy to: Aymara Schmidt, Contract Manager
100 West Atlantic Blvd.
Pompano Beach, FL 33060
Phone: 954-786-5574
Email: Aymara.Schmidt@copbfl.com

10. *Ownership of Documents and Information.* All information, data, reports, plans, procedures or other proprietary rights in all Work items, developed, prepared, assembled or compiled by Contractor as required for the Work hereunder, whether complete or unfinished, shall be owned by the City without restriction, reservation or limitation of their use and made available at any time and at no cost to City upon reasonable written request for its use and/or distribution as City deems appropriate provided City has compensated Contractor for said Work product. City's re-use of Contractor's Work product shall be at its sole discretion and risk if done without Contractor's written permission. Upon completion of all Work contemplated hereunder or termination of this Agreement, copies of all of the above data shall be promptly delivered to the City's Contract Administrator upon written request. The Contractor may not disclose, use, license or sell any work developed, created, or otherwise originated hereunder to any third party whatsoever. The rights and obligations created under this Article shall survive the termination or expiration of this Agreement.

To the extent it exists and is necessary to perform the Work hereunder, City shall provide any information, data and reports in its possession to Contractor free of charge.

11. *Termination.*

A. *Termination for Breach or Default.* Breach or default of any of the covenants, duties, or terms of this Agreement shall be cause for termination, in whole or in part, of this Agreement. In the event of a breach or default, the defaulting party shall be given written notice in accordance with Article 9 herein which describes in reasonable detail the alleged breach

or default and ten (10) calendar days to cure same. Failure to cure all such described defects within the required time period shall result in termination of this contract with written notice to Contractor.

B. *Termination for Convenience.* City retains the right to terminate this Agreement for convenience upon ten (10) business days written notice to Contractor in accordance with Article 9 herein. Such Notice of Termination may include City's proposed Transition Plan and timeline for terminating the Work, requests for certain Work product documents and materials, and other provisions regarding winding down concerns and activities. City shall compensate Contractor for all authorized Work satisfactorily performed through the termination date under the payment terms set forth in Article 7 above and all Work product documents and materials shall be delivered to City within ten (10) business days from the Notice of Termination. If any Work hereunder is in progress but not completed as of the date of the termination, then upon City's written approval, this Agreement may be extended until said Work is completed and accepted by City.

12. *Force Majeure.* Neither party shall be obligated to perform any duty, requirement or obligation hereunder if such performance is prevented by fire, hurricane, earthquake, explosion, war, civil disorder, sabotage, accident, flood, acts of nature or by any reason of any other matter or condition beyond the control of either party which cannot be overcome by reasonable diligence and without unusual expense ("Force Majeure"). In no event shall economic hardship or lack of funds be considered an event of Force Majeure. If either party is unable to perform or delayed in their performance of any obligations hereunder by reason of any event of Force Majeure, such inability or delay shall be excused at any time during which compliance therewith is prevented by such event and during such period thereafter as may be reasonably necessary for either party to correct the adverse effect of such event of Force Majeure.

Contractor must follow all Federal, State, County, and City safety guidelines, including all CDC safety guidelines in effect during the term of the program, including but not limited to social distancing, and personal protection equipment. Inability to conduct the program and follow any and all required safety guidelines applicable to the COVID-19 virus or other similar pandemic or emergency, or failure to follow such requirements, including but not limited to, social distancing, shall constitute grounds for immediate cancellation of this Agreement unilaterally by the City upon written notice, which may be provided via electronic mail.

13. *Insurance.* Contractor shall maintain insurance in accordance with Exhibit "B" throughout the term of this Agreement.

14. *Indemnification.* Except as expressly provided herein, no liability shall attach to the City by reason of entering into this Agreement.

A. Contractor shall at all times indemnify, defend, save and hold harmless the City, its officers, officials, employees, volunteers and other authorized agents from and against any and all claims, demands, suit, damages, attorneys' fees, fines, losses, penalties, defense costs or liabilities suffered by the City arising directly or indirectly from Contractor's performance under this Contract, including but not limited to, any act, breach, omission, negligence, recklessness or misconduct of Contractor and/or any of its agents, officers, or employees hereunder, including any

inaccuracy in or breach of any of the representations, warranties or covenants made by the Contractor, its agents, officers and/or employees, in the performance of services of this contract. Contractor agrees to investigate, handle, respond to, provide defense for, and defend any such claims at its sole expense and to bear all other costs and expenses related thereto, even if the claim(s) is/are groundless, false or fraudulent. To the extent considered necessary by City, any sums due Contractor hereunder may be retained by City until all of City's claims for indemnification hereunder have been settled or otherwise resolved, and any amount withheld shall not be subject to payment of interest by City.

B. Contractor acknowledges and agrees that City would not enter into this Agreement without Contractor's indemnification of the City. The parties agree that one percent (1%) of the total compensation paid to Contractor hereunder shall constitute specific consideration to Contractor for the indemnification provided under this Article and these provisions shall survive expiration or early termination of this Agreement.

15. *Sovereign Immunity.* Nothing in this Agreement shall constitute a waiver by the City of its sovereign immunity limits as set forth in section 768.28, Florida Statutes. Nothing herein shall be construed as consent from either party to be sued by third parties.

16. *Non-Assignability and Subcontracting.*

A. *Non-Assignability.* This Agreement is not assignable and Contractor agrees it shall not assign or otherwise transfer any of its interests, rights or obligations hereunder, in whole or in part, to any other person or entity without City's prior written consent which must be sought in writing not less than fifteen (15) days prior to the date of any proposed assignment. Any attempt by Contractor to assign or transfer any of its rights or obligations hereunder without first obtaining City's written approval shall not be binding on City and, at City's sole discretion, may result in City's immediate termination of this Agreement whereby City shall be released of any of its obligations hereunder. In addition, this Agreement and the rights and obligations herein shall not be assignable or transferable by any process or proceeding in court, or by judgment, execution, proceedings in insolvency, bankruptcy or receivership. In the event of Contractor's insolvency or bankruptcy, City may, at its option, terminate and cancel this Agreement without any notice of any kind whatsoever, in which event all rights of Contractor hereunder shall immediately cease and terminate.

B. *Subcontracting.* Prior to subcontracting for Work to be performed hereunder, Contractor shall be required to obtain the written approval of the City's Contract Administrator. If the City's Contract Administrator, in his/her sole discretion, objects to the proposed subcontractor, Contractor shall be prohibited from allowing that subcontractor to provide any Work hereunder. Although Contractor may subcontract Work in accordance with this Article, Contractor remains responsible for any and all contractual obligations hereunder and shall also be responsible to ensure that none of its proposed subcontractors are listed on the *Convicted Vendors List* referenced in accordance with the provisions of Article 28 below.

17. *Performance Under Law.* The Contractor, in the performance of duties under the Agreement, agrees to comply with all applicable local, state and/or federal laws and ordinances

including, but not limited to, standards of licensing, conduct of business and those relating to criminal activity, and the Americans with Disabilities Act (ADA).

18. *Audit and Inspection Records.* The Contractor shall permit the authorized representatives of the City to inspect and audit all data and records of the Contractor, if any, relating to performance under the contract until the expiration of three years after final payment under this contract.

The Contractor further agrees to include in all his subcontracts hereunder a provision to the effect that the subcontractor agrees that City or any of their duly authorized representatives shall, until the expiration of three years after final payment under the subcontractor, have access to and the right to examine any directly pertinent books, documents, papers and records of such subcontractor, involving transactions related to the subcontractor.

19. A. *Adherence to Law.* Both parties shall adhere to all applicable laws governing their relationship with their employees including, but not limited to, laws, rules, regulations and policies concerning worker's compensation, unemployment compensation and minimum wage requirements.

B. *Conflict of Interest.* During the time period this Agreement is in effect, Contractor, its employees subcontractors, and agents shall not engage in any conduct or activities that would constitute a conflict of interest, and shall otherwise avoid any appearance of such conflict of interest. Additionally, Contractor, its employees subcontractors, and agents shall refrain from acting adverse to the City's interest in promoting the goals and objectives of this Agreement. Any potential such conflict of interest must be reported to the City and may be waived only upon additional review and approval by the City Manager.

Furthermore, none of Contractor's employees, subcontractors, and agents shall, during the term of this Agreement, serve as an expert witness against City in any legal or administrative proceeding in which he, she, or Contractor is not a party, unless compelled by court process. Further, such persons shall not give sworn testimony or issue a report or writing, as an expression of his or her expert opinion, which is adverse or prejudicial to the interests of City in connection with any such pending or threatened legal or administrative proceeding unless compelled by court process. The limitations of this section shall not preclude Contractor or any persons in any way from representing themselves, including giving expert testimony in support thereof, in any action or in any administrative or legal proceeding.

The existence of any such conflict of interest, or evidence of non-compliance with the above paragraphs, may serve as grounds for termination of this Agreement pursuant to Paragraph 11, Termination.

20. *Independent Contractor.* The Contractor shall be deemed an independent Contractor for all purposes, and the employees of the Contractor or any of its contractors, subcontractors and the employees thereof, shall not in any manner be deemed to be employees of City. As such, the employees of the Contractor, its Contractors or subcontractors, shall not be subject to any withholding for tax, social security or other purposes by City, nor shall such

Contractor, subcontractor or employee be entitled to sick leave, pension benefits, vacation, medical benefits, life insurance, workers or unemployment compensation or the like from City.

21. *Contractor cooperation.* The Contractor recognizes that the performance of this contract is essential to the provision of vital public services and the accomplishment of the stated goals and mission of City. Therefore, the Contractor shall be responsible to maintain a cooperative and good faith attitude in all relations with City and shall actively foster a public image of mutual benefit to both parties. The Contractor shall not make any statements or take any actions detrimental to this effort.

22. *Public Records.*

A. The City of Pompano Beach is a public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida's Public Records Law, as amended. Specifically, the Contractor shall:

1. Keep and maintain public records required by the City in order to perform the service.

2. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, Florida Statutes or as otherwise provided by law.

3. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the Contractor does not transfer the records to the City.

4. Upon completion of the contract, transfer, at no cost to the City, all public records in possession of the Contractor, or keep and maintain public records required by the City to perform the service. If the Contractor transfers all public records to the City upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format that is compatible with the information technology systems of the City.

B. Failure of the Contractor to provide the above described public records to the City within a reasonable time may subject Contractor to penalties under 119.10, Florida Statutes, as amended.

PUBLIC RECORDS CUSTODIAN

IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

CITY CLERK

100 W. Atlantic Blvd., Suite 253

Pompano Beach, Florida 33060

(954) 786-4611

RecordsCustodian@copbfl.com

23. *Governing Law; Venue; Waiver of Jury Trial.* This Agreement shall be interpreted and construed in accordance with and governed by the laws of the State of Florida. The exclusive venue for any litigation arising from, related to, or in connection with this Agreement shall be in the Seventeenth Judicial Circuit in and for Broward County, Florida, or in the United States District Court for the Southern District of Florida, or United States Bankruptcy Court for the Southern District of Florida, as applicable. BY ENTERING INTO THIS AGREEMENT, THE PARTIES EXPRESSLY WAIVE ANY RIGHTS EITHER PARTY MAY HAVE TO A TRIAL BY JURY OF ANY CIVIL LITIGATION RELATED TO THIS AGREEMENT.

24. *Waiver and Modification.*

A. No waiver made by either party with respect to performance, manner, time, or any obligation of either party or any condition hereunder shall be considered a waiver of that party's rights with respect to the particular obligation or condition beyond those expressly waived in writing or a waiver of any other rights of the party making the waiver or any other obligations of the other party.

B. No Waiver by Delay. The City shall have the right to institute such actions or proceedings as it may deem desirable for effectuating the purposes of this Agreement provided that any delay by City in asserting its rights hereunder shall not operate as a waiver of such rights or limit them in any way. The intent of this provision is that City shall not be constrained to exercise such remedy at a time when it may still hope to otherwise resolve the problems created by the default or risk nor shall any waiver made by City with respect to any specific default by Contractor be considered a waiver of City's rights with respect to that default or any other default by Contractor.

C. Either party may request changes to modify certain provisions of this Agreement; however, unless otherwise provided for herein, any such changes must be contained in a written amendment executed by both parties with the same formality of this Agreement.

25. *No Contingent Fee.* Contractor warrants that other than a bona fide employee working solely for Contractor, Contractor has not employed or retained any person or entity, or paid or agreed to pay any person or entity, any fee, commission, gift or any other consideration to solicit or secure this Agreement or contingent upon or resulting from the award or making of this Agreement. In the event of Contractor's breach or violation of this provision, City shall have the right to terminate this Agreement without liability and, at City's sole discretion, to deduct from the Price Formula set forth in Article 7 or otherwise recover the full amount of such fee, commission, gift or other consideration.

26. *Attorneys' Fees and Costs.* In the event of any litigation involving the provisions of this Agreement, both parties agree that the prevailing party in such litigation shall be entitled to recover from the non-prevailing party reasonable attorney and paraprofessional fees as well as all out-of-pocket costs and expenses incurred thereby by the prevailing party in such litigation through all appellate levels.

27. *No Third Party Beneficiaries.* Contractor and City agree that this Agreement and other agreements pertaining to Contractor's performance hereunder shall not create any obligation on Contractor or City's part to third parties. No person not a party to this Agreement shall be a third-party beneficiary or acquire any rights hereunder.

28. *Public Entity Crimes Act.* As of the full execution of this Agreement, Contractor certifies that in accordance with §287.133, Florida Statutes, it is not on the *Convicted Vendors List* maintained by the State of Florida, Department of General Services. If Contractor is subsequently listed on the *Convicted Vendors List* during the term of this Agreement, Contractor agrees it shall immediately provide City written notice of such designation in accordance with Article 9 above.

29. *Entire Agreement.* This document incorporates and includes all prior negotiations, correspondence, conversations, agreements or understandings applicable to the matters contained herein, and the parties agree that there are no commitments, agreements or understandings concerning the subject matter of this Agreement that are not contained in this document. Accordingly, it is agreed that no deviation from the terms hereof shall be predicated upon any prior representations or agreements, whether oral or written.

30. *Headings.* The headings or titles to Articles of this Agreement are not part of the Agreement and shall have no effect upon the construction or interpretation of any part of this Agreement.

31. *Counterparts.* This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. A photocopy, email or facsimile copy of this Agreement and any signatory hereon shall be considered for all purposes as original.

32. *Approvals.* Whenever CITY approval(s) shall be required for any action under this Agreement, said approval(s) shall not be unreasonably withheld.

33. *Absence of Conflicts of Interest.* Contractor represents that it presently has no interest and shall acquire no interest, either direct or indirect, which would conflict in any manner

with their performance under this Agreement and that no person having any conflicting interest shall be employed or engaged by either party in its performance under this Agreement.

34. *Binding Effect.* The benefits and obligations imposed pursuant to this Agreement shall be binding and enforceable by and against the parties hereto.

35. *Employment Eligibility.* By entering into this Contract, the Contractor becomes obligated to comply with the provisions of Section 448.095, Fla. Stat., "Employment Eligibility." This includes but is not limited to utilization of the E-Verify System to verify the work authorization status of all newly hired employees, and requiring all subcontractors to provide an affidavit attesting that the subcontractor does not employ, contract with, or subcontract with, an unauthorized alien. Failure to comply will lead to termination of this Contract, or if a subcontractor knowingly violates the statute, the subcontract must be terminated immediately. Any challenge to termination under this provision must be filed in the Circuit or County Court no later than 20 calendar days after the date of termination. If this contract is terminated for a violation of the statute by the Contractor, the Contractor may not be awarded a public contract for a period of 1 year after the date of termination

36. *Scrutinized Companies.* By execution of this Agreement, in accordance with the requirements of F.S. 287.135 and F.S. 215.473, Contractor certifies that Contractor is not participating in a boycott of Israel. Contractor further certifies that Contractor is not on the Scrutinized Companies that Boycott Israel list, not on the Scrutinized Companies with Activities in Sudan List, and not on the Scrutinized Companies with Activities in Iran Terrorism Sectors List, nor has Contractor been engaged in business operations in Syria. Subject to limited exceptions provided in state law, the City will not contract for the provision of goods or services with any scrutinized company referred to above. In accordance with Section 287.135, Florida Statutes as amended, a company is ineligible to, and may not, bid on, submit a proposal for, or enter into or renew a contract with any agency or local government entity for goods or services of:

- A. Any amount if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, Florida Statutes, or is engaged in a boycott of Israel; or
- B. One million dollars or more if, at the time of bidding on, submitting a proposal for, or entering into or renewing such contract, the company:
 - 1. Is on the Scrutinized Companies with Activities in Sudan List of the Scrutinized Companies with Activities in Iran Terrorism Sectors List, created pursuant to Section 215.473, Florida Statutes; or
 - 2. Is engaged in business operations in Syria.
- C. Submitting a false certification or being placed on a list created pursuant to Section 215.473, Florida Statutes relating to scrutinized active business operations in Iran after Contractor has submitted a certification, shall be deemed a material breach of contract. The City shall provide notice, in writing, to

Contractor of the City's determination concerning the false certification. Contractor shall have five (5) days from receipt of notice to refute the false certification allegation. If such false certification is discovered during the active contract term, Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If Contractor does not demonstrate that the City's determination of false certification was made in error then the City shall have the right to terminate the contract and seek civil remedies pursuant to Section 287.135, Florida Statutes, as amended from time to time.

37. *Affidavit of Compliance with Anti-Human Trafficking Laws.* In accordance with section 787.06 (13), Florida Statutes, the undersigned, on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury that:

- A. Entity does not use coercion for labor or services as defined in Section 787.06, Florida Statutes, entitled "Human Trafficking".

38. *Affidavit of Compliance with Foreign Entity Laws.* The undersigned, on behalf of the entity listed below ("Entity"), hereby attests under penalty of perjury as follows:

- A. Entity is not owned by the government of a foreign country of concern as defined in Section 287.138, Florida Statutes.
- B. The government of a foreign country of concern does not have a controlling interest in Entity.
- C. Entity is not organized under the laws of, and does not have a principal place of business in, a foreign country of concern.
- D. Entity is not owned or controlled by the government of a foreign country of concern, as defined in Section 692.201, Florida Statutes.
- E. Entity is not a partnership, association, corporation, organization, or other combination of persons organized under the laws of or having its principal place of business in a foreign country of concern, as defined in Section 692.201, Florida Statutes, or a subsidiary of such entity.
- F. Entity is not a foreign principal, as defined in Section 692.201, Florida Statutes.
- G. Entity is in compliance with all applicable requirements of Sections 692.202, 692.203, and 692.204, Florida Statutes.

39. *Annual Budgetary Funding/Cancellation.* This Agreement and all obligations of the City hereunder requiring the expenditure of funds are subject to and contingent upon annual budgetary funding and appropriations by the City Commission.

40. *Severability.* Should any provision of this Agreement or the applications of such provisions be rendered or declared invalid by a court action or by reason of any existing or subsequently enacted legislation, the remaining provisions of this Agreement shall remain in full force and effect.

THE REMAINDER OF THE PAGE IS INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year hereinabove written.

Attest:

CITY OF POMPANO BEACH

KERVIN ALFRED, CITY CLERK

By:_____
REX HARDIN, MAYOR

By:_____
GREGORY P. HARRISON, CITY MANAGER

APPROVED AS TO FORM:

MARK E. BERMAN, CITY ATTORNEY

(SEAL)

"CONTRACTOR"

Witnesses:

Sarah Finkle
Sarah Finkle
(Print or Type Name)

Stephanie Doro
Stephanie Doro
(Print or Type Name)

Aptim Environmental & Infrastructure, LLC

By: [Signature]
Jeff Andrews, Vice President

STATE OF Florida

COUNTY OF Palm Beach

The foregoing instrument was acknowledged before me, by means of ☒ physical presence or ☐ online notarization, this 26 day of August, 2025, by **Jeff Andrews as Vice President of Aptim Environmental & Infrastructure, LLC**, a Florida registered foreign limited liability company on behalf of the company, who is personally known to me or who has produced _____ as identification.

NOTARY'S SEAL:



Tracie H. m. Cauley
NOTARY PUBLIC, STATE OF Florida

Tracie H. m. Cauley
(Name of Acknowledger Typed, Printed or Stamped)

HH 272308
Commission Number

EXHIBIT “A”



Florida's Warmest Welcome

CITY OF POMPANO BEACH

**REQUEST FOR QUALIFICATIONS
RFQ25-037**

Professional Services for Sustainability Projects

VIRTUAL PRE-BIDDERS CONFERENCE:

April 29, 2025, 10:00 A.M.

VIRTUAL BID OPENING:

May 22, 2025, 2:00:00 P.M.

For access, go to:

<https://pompanobeachfl.gov/pages/meetings>

Dear Prospective Proposers,

SUBJECT: REQUEST FOR QUALIFICATIONS (RFQ) - RFQ25-037 PROFESSIONAL SERVICES FOR SUSTAINABILITY PROJECTS.

The City of Pompano Beach seeks to engage qualified professional services to advance sustainability and resilience initiatives. This RFQ aims to select firm(s) with proven expertise in engineering, urban planning, vulnerability assessment, adaptation planning, biodiversity enhancement, natural resource conservation, green stormwater infrastructure, urban forestry planning, and sustainability policy integration.

This RFQ intends to approve a list of firms rather than awarding the contract to any specific firm. The City plans to engage up to 8 firms for professional services to advance sustainability and resilience initiatives. This approach allows us to leverage the expertise of multiple firms, ensuring a diverse range of perspectives and solutions. By collaborating with these selected firms, we aim to enhance our efforts in developing and implementing effective strategies that promote sustainability and resilience within our community. The selected firms shall demonstrate specific experience and capabilities and must have qualified personnel and expertise in the specified disciplines.

This RFQ is subject to the “Cone of Silence,” which imposes certain restrictions on communications concerning the RFQ process.

The Cone of Silence shall take effect once this solicitation is released to the General Public. Respondents to this solicitation or persons acting on their behalf may not contact, between the release of the solicitation and the end of the 72 hours following the agency posting the notice of intended award, excluding Saturdays, Sundays, and state holidays, any employee or officer of the executive or legislative branch concerning any aspect of this solicitation, except in writing to the procurement officer or as provided in the solicitation documents. Violation of this provision may be grounds for rejecting a response.” (F.S 287.057 (25)).

Any proposer or lobbyist for a proposer is prohibited from having any communications concerning any solicitation for a competitive procurement with any member of the City Commission, City Clerk, City Manager’s Office, any Evaluation Committee Member, or any other City of Pompano Beach employee after Procurement and Contracts releases a solicitation to the General Public. All communications must go through the Procurement and Contracts Department staff. No other member of the City Commission, City Clerk, City Manager’s Office, any Evaluation Committee Member, or any other City of Pompano Beach employee should be contacted concerning this RFQ. Any information that amends any portion of this RFQ received by any method other than an Addendum issued to the RFQ is not binding on the City of Pompano Beach.

The City will receive sealed proposals until 2:00:00 p.m. (EST), May 22, 2025. Proposals must be submitted electronically through the eBid System (IonWave) on or before the due date and time as provided herein. Any proposal received after the due date and time specified will not be considered. Any uncertainty regarding the time a proposal is accepted will be resolved against the proposer.

Proposers must be registered on the City's eBid System in order to view the solicitation documents and respond to this Solicitation. The complete solicitation document can be downloaded from the eBid System as a PDF at <https://www.pompanobeachfl.ionwave.net>. The City is not responsible for the accuracy or completeness of any documentation the proposer receives from any source other than the eBid System. The proposer is solely responsible for downloading all required documents. A list of proposers will be read aloud in a public forum. To attend the virtual public meeting, go to <https://www.pompanobeachfl.gov/pages/meetings> to find the Zoom link.

Carefully read all portions of the RFP document to ensure the Proposer's bid fully complies with all requirements.

Procurement and Contracts Department
City of Pompano Beach, Florida.

SCHEDULE OF EVENTS

RFQ NUMBER:	RFQ25-037
RFQ TITLE:	PROFESSIONAL SERVICES FOR SUSTAINABILITY PROJECTS
RELEASE DATE:	4/17/2025
DATE PUBLISHED IN SUN-SENTINEL	4/23/2025
VIRTUAL NON-MANDATORY PRE-BIDDERS CONFERENCE	4/29/2025 – 10:00 AM (EST)
WRITTEN QUESTIONS AND INQUIRIES ARE DUE ON OR BEFORE:	5/12/2025 – 05:00 PM (EST)
ADDENDA AS RESPONSES TO QUESTIONS SHALL BE ISSUED ON OR BEFORE:	5/15/2025
RFQ RESPONSES DUE DATE/TIME:	5/22/2025 - 02:00 PM (EST)
EVALUATION COMMITTEE MEETINGS	TBD
RECOMMENDATION FOR AWARD:	TBD
DIRECT ALL INQUIRIES TO:	https://pompanobeachfl.ionwave.net
E-PROPOSAL SUBMITTALS ONLY:	https://pompanobeachfl.ionwave.net
PROPOSAL VIRTUAL OPENING:	https://www.pompanobeachfl.gov/meetings

Non-Mandatory Pre-Proposal Meeting

The non-mandatory Pre-Proposal Meeting will be held via Virtual Zoom Meeting on 4/29/2025, at 10:00 a.m. (local). Attendance at the Pre-Submittal Meeting is non-mandatory. The Zoom link is available on the City's Meetings webpage: <https://www.pompanobeachfl.gov/meetings>

A. Introduction

The City of Pompano Beach seeks to engage qualified professional services to advance sustainability and resilience initiatives. This RFQ aims to select firm(s) with proven expertise in engineering, urban planning, vulnerability assessment, adaptation planning, biodiversity enhancement, natural resource conservation, green stormwater infrastructure, urban forestry planning, and sustainability policy integration.

B. Scope of Services

1. Adaptation Plan Development.

Objective: Develop an Adaptation Plan that builds on the existing vulnerability assessment to enhance community resilience and address identified vulnerabilities.

Key Tasks:

- The 'Request for Proposal' serves as a crucial tool to identify and prioritize adaptation actions

based on feasibility, cost-effectiveness, and social and environmental impacts.

- Incorporate green stormwater infrastructure as a central component of adaptation strategies where applicable.
- Utilize an objective framework with qualitative and quantitative measures to assess project benefits, community acceptance, and potential obstacles.
- Develop an implementation schedule and funding strategy to support the procurement and execution of prioritized actions.
- Ensure the plan enhances flood mitigation, biodiversity, and natural resource conservation.

2. Implementation Planning

Objective: Translate adaptation strategies into actionable implementation plans that support sustainable urban development.

Key Tasks:

- Develop detailed implementation plans with timelines, budgets, and performance metrics to ensure effective execution.
- Coordinate with city departments and stakeholders to facilitate seamless integration into existing municipal operations.
- Incorporate strategies for biodiversity enhancement, natural resource conservation, and green stormwater infrastructure.
- Identify funding opportunities, including grants and public-private partnerships, to support implementation.

3. Urban Forestry Plan

Objective: Expand and sustain a resilient urban tree canopy to reduce urban heat, enhance climate adaptation, and support stormwater management.

- Key Tasks:
- Develop an Urban Tree Canopy Plan that prioritizes increasing tree coverage in public spaces such as parks, swales, right-of-way, and other municipal properties, targeting areas with high heat exposure and limited shade.
- Prioritize native species for maximum cooling, biodiversity, and low-maintenance benefits.
- Integrate green stormwater infrastructure
- Use GIS and heat mapping to identify priority planting areas and measure cooling benefits.
- Develop educational resources and outreach programs to encourage tree planting and maintenance in heat-stressed areas. Guide on selecting native tree species that are resilient to local climate conditions and beneficial for urban wildlife.

4. CRS Watershed Management Plan

- Objective: Maximize points under the requirements of the CRS Program for a Watershed Management Plan.

Key Tasks:

- Develop a comprehensive Watershed Management Plan to meet the Community Rating System manual requirements.
- Conduct hydrologic and hydraulic modeling to assess existing watershed conditions, identifying areas vulnerable to flooding and water quality issues.
- Prioritize watershed restoration projects and green infrastructure solutions to enhance resilience to climate change impacts.
- Incorporate strategies to promote groundwater recharge, improve water quality, and reduce flood risks.
- Coordinate with regional water management agencies to ensure compliance with regional policies and regulations.

- Integrate the Watershed Management Plan with other sustainability and adaptation initiatives to support holistic water resource management.

5. Water Audit at Selected City Facilities

Objective: Identify inefficiencies and conservation opportunities in municipal water usage to reduce consumption and enhance sustainability.

- Conduct a detailed water audit at selected city facilities to identify inefficiencies and opportunities for conservation.
- Assess indoor and outdoor water usage patterns, leak detection, fixture efficiency, and potential reuse strategies.
- Provide recommendations for reducing water consumption, implementing conservation technologies, and enhancing operational efficiency.

6. Energy Audits at Selected City Facilities

Objective: Improve energy efficiency in municipal facilities through detailed assessments and targeted recommendations.

- Perform energy audits at selected city facilities to assess current energy usage and identify efficiency improvements.
- Evaluate HVAC systems, lighting, insulation, and equipment performance.
- Recommend energy-saving measures, renewable energy integration opportunities, and potential cost savings.
- Develop a prioritized action plan for implementing energy efficiency upgrades.

7. Greenhouse Gas (GHG) Inventory Update

Objective: Track and reduce emissions through an updated Greenhouse Gas Inventory, ensuring alignment with the City's climate goals.

- Update the City's Greenhouse Gas Inventory to measure progress on emissions reduction goals.
- Assess emissions from municipal operations and community-wide sources.
- Identify key areas for emissions reduction and provide recommendations for mitigation strategies.
- Develop a reporting framework to track and communicate progress on climate action initiatives.

C. Term of Agreement

The Term of this Agreement/Contract is effective three (3) years from the start date. After the initial three (3) years, the contract can be renewed for two additional one-year terms, subject to the agreement of both parties. The City reserves the right to negotiate the terms of its respective agreement/contract with the awarded company(ies)/firm(s).

D. Qualifications Requirements:

The selected firm(s) should demonstrate:

- Proven experience in adaptation planning, sustainability, resilience, engineering, and urban planning.
- Expertise in vulnerability assessment, biodiversity enhancement, natural resource conservation, green stormwater infrastructure, urban forestry planning, and integrated watershed management.
- Strong GIS and data analysis capabilities for mapping, modeling, and scenario planning.
- Effective communication and stakeholder engagement skills, including public outreach and

- facilitation of community involvement.
- Capacity to work collaboratively with municipal departments, regional agencies, and community stakeholders.

E. Local Business Program

The Procurement and Contracts staff will evaluate this section. On March 13, 2018, the City Commission approved Ordinance 2018-46, establishing a Local Business Program, a policy to increase the participation of City businesses in the City's procurement process.

For purposes of this solicitation, "Local Business" will be defined as follows:

TIER 1 LOCAL VENDOR.

POMPANO BEACH BUSINESS EMPLOYING POMPANO BEACH RESIDENTS. A business entity which has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least ten percent who are residents of the City or includes subcontracting commitments to Local Vendors Subcontractors for at least ten percent of the contract value. The permanent place of business may not be a post office box. The business must be located in a non-residential zone and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the city's limits. In addition, the business must have a current business tax receipt from the City for a minimum of one year prior to the date of issuance of a solicitation.

TIER 2 LOCAL VENDOR.

BROWARD COUNTY BUSINESS EMPLOYING POMPANO BEACH RESIDENTS OR UTILIZING LOCAL VENDOR SUBCONTRACTORS. A business entity, which has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City or includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value. The permanent place of business may not be a post office box. The business must be located in a non-residential zone and must actually distribute goods or services from that location. The business must be staffed with full-time employees that reside within the city's limits. In addition, the business must have a current business tax receipt from the respective Broward County municipality for a minimum of one year prior to the date of issuance of a solicitation.

LOCAL VENDOR SUBCONTRACTOR.

POMPANO BEACH BUSINESS. A business entity which has maintained a permanent place of business within the city limits of the City. The permanent place of business may not be a post office box. The business must be located in a non-residential zone and must actually distribute goods or services from that location. The business must be staffed with full-time employees within the city's limits. In addition, the business must have a current business tax receipt from the City for a minimum of one year prior to the date of issuance of a solicitation.

You can view the list of City businesses with a current Business Tax Receipt on the City's website and locate local companies that are available to perform the work required by the RFP scope of services. The business information, sorted by business use classification, is posted on the Business Tax Receipt Division webpage: www.pompanobeachfl.gov by selecting the Pompano Beach

Business Directory in the Shop Pompano! Section.

The City is **strongly committed** to ensuring the participation of City Businesses as contractors and subcontractors for procuring goods and services, including labor, materials, and equipment.

Proposers are required to participate in the City's Local Business Program by including, as part of their package, the Local Business Participation Form (Exhibit A), listing the local businesses that will be used on the contract, and the Letter of Intent Form (Exhibit B) from each local business that will participate in the contract.

The required goal for this Solicitation is **15%** for Local Vendor.

Suppose a Prime Contractor/Vendor cannot attain the contract's goal. In that case, the Prime Vendor will be requested to demonstrate and document that good faith efforts were made to achieve the goal by providing the Local Business Unavailability Form (Exhibit C), listing companies that were contacted but not available, and the Good Faith Effort Report (Exhibit D), describing the efforts made to include local business participation in the contract. This documentation shall be provided to the City Commission for acceptance.

The awarded Proposer will be required to submit "Local Business Subcontractor Utilization Reports" during and after projects are completed. The reports will be submitted to the assigned City project manager. The Local Business Subcontractor Utilization Report template and instructions have been included in the bid document.

Failure to meet Local Vendor Goal commitments will result in "unsatisfactory" compliance rating. Unsatisfactory ratings may impact the award of future projects if the City Commission the City Commission imposes a sanction imposes a sanction.

The City shall award a Local Vendor preference based upon vendors, contractors, or subcontractors who are local with a preference as follows:

1. For evaluation purposes, the Tier 1 and Tier 2 businesses shall be a criterion for award in this Solicitation. No business may qualify for more than one tier level.
2. For evaluation purposes, local vendors shall receive the following preferences:
 - a. Tier 1 business, as defined by this subsection, shall be granted a preference in the amount of 5 Points.
 - b. Tier 2 business, as defined by this subsection, shall be granted a preference in the amount of 2.5 Points.

The awarded vendor/contractor must comply with all Tier 1 and Tier 2 guidelines and meet all requirements before contract execution.

F. Required Proposal Submittal

Sealed proposals shall be submitted electronically through the eBid System on or before the due date and time as provided herein. Proposer shall upload the response as one (1) file to the eBid System. The file size for uploads is limited to 250 MB. If the file size exceeds 10 MB, the response must be split and uploaded as two (2) separate files.

Information to be included in the proposal: To maintain comparability and expedite the review process, proposals must be organized as specified below, with the sections clearly labeled.

Title page:

Show the project name and number, the name of the Proposer's company/firm, address, telephone number, name of the contact person, and the date.

Table of Contents:

Include a clear identification of the material by section and by page.

Letter of Transmittal:

Briefly state the Proposer's understanding of the project and express a positive commitment to provide the services described herein. Please state the name(s) of the person(s) who will be authorized to make representations for the Proposer, their title(s), office and E-mail addresses and telephone numbers. Please limit this section to two (2) pages.

Technical Approach / Relevant Projects:

Companies/Firms or teams shall submit their technical approach to perform the tasks described in the scope. Provide experience the firm with similar projects.

References:

References for past projects in the tri-county area (Broward, Palm Beach, and Miami-Dade). Describe the scope of each project in physical terms and by cost, describe the Proposer's responsibilities, and provide the contact information (name, email, telephone number) of an individual in a position of responsibility who can attest to the Proposer's activities with the project.

List any prior projects performed for the City of Pompano Beach.

Project Team Form:

Submit a proposed "Project Team" form that the firm ~~considers~~ proposes to select when a project is assigned. This form aims to identify the proposed team's key members, including any specialty subconsultants.

Organizational Chart:

Provide the organizational chart for the proposed Project Team.

Statement of Skills and Experience of Project Team:

Describe the experience of the entire project team as it relates to items described in the Scope of Services section of this RFQ. Include the experience of the prime consultants as well as other members of the project team, i.e., additional personnel, sub-consultants, branch office, team members, and other resources anticipated to be utilized in the situation a project is assigned to the firm. Name specific projects [successfully completed within the past five (5) years] where the team members have performed similar projects previously.

Resumes of Key Personnel:

Include resumes for key personnel for prime and consultants.

Office Locations:

Identify the office's location from which services will be rendered and the number of professional and administrative staff at the prime office. Also, identify the location of office(s) of the prime that may be utilized to support any or all of the professional services listed above and the number of the professional and administrative staff at the prime office location.

If companies/firms are situated outside the local area (Broward, Palm Beach, and Miami-Dade counties), include a brief statement as to whether or not the companies/firms will arrange for a local office during the term of the agreement/contract, if necessary.

Litigation:

Disclose any litigation within the past five (5) years arising from your company/firm's performance, including status/outcome.

City Forms:

The Proposer Information Page Form and any other required forms must be completed and submitted electronically through the City's eBid System. The City reserves the right to request additional information to ensure the Proposer is financially solvent. It has sufficient financial resources to perform the agreement/contract and shall provide proof of its financial solvency. At its sole discretion, the City may ask for additional evidence of financial solvency, including additional documents post-proposal opening and before evaluation demonstrating the Proposer's ability to perform the resulting agreement/contract and provide the required materials and/or services.

Reviewed and Audited Financial Statements:

Proposers shall be financially solvent and appropriately capitalized to service the City for the duration of the agreement/contract. Proposers shall provide a complete financial statement of the company's/firm's most recent audited financial statements, indicating the organization's financial condition. Must be uploaded to the Response Attachments tab in the eBid System as a separate file titled "FINANCIAL STATEMENTS" and marked "CONFIDENTIAL."

Financial statements provided shall not be older than twelve (12) months before the date of filing this solicitation's response. The financial statements must be reviewed and submitted with any accompanying notes and supplemental information. The City of Pompano Beach reserves the right to reject financial statements in which the financial condition shown is twelve (12) months or more before the submittal date.

The City is a public agency subject to Chapter 119, Florida's Public Records Law, and must provide the public with access to public records; however, financial statements that are required as submittals to prequalify for a solicitation will be exempt from public disclosure.

The City reserves the right to request additional information to ensure the Proposer is financially solvent. It has sufficient financial resources to perform the agreement/contract and shall provide proof of its financial solvency. At its sole discretion, the City may ask for additional evidence of financial solvency, including additional documents post-proposal opening and prior to evaluation demonstrating the Proposer's ability to perform the resulting agreement/contract and provide the required materials and/or services.

A combination of two (2) or more of the following may substitute for audited financial statements:

- 1) Bank letters/statements for the past three (3) months
- 2) Balance sheet, profit and loss statement, cash flow report
- 3) IRS returns for the last two (2) years
- 4) Letter from CPA showing profits and loss statements (certified)

G. Insurance

The contractor/consultant shall not commence services under the terms of this agreement/contract until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the City's Risk Manager. If you are responding to a solicitation and have questions regarding the insurance requirements, don't hesitate to contact the City's Procurement and Contracts Department at (954) 786-4098. If the agreement/contract has already been awarded, please direct any inquiries and proof of the requisite insurance coverage to City staff responsible for oversight of the subject project/contract.

The contractor/Consultant is responsible for delivering to the City for timely review and written approval/disapproval Certificates of Insurance, which evidence that all insurance required hereunder is in full force and effect and which name the insured city as an additional insured on a primary basis on all such coverage.

Throughout the term of this agreement/contract, the City, by and through its Risk Manager, reserves the right to review, modify, reject, or accept any insurance policies required by this agreement/contract, including limits, coverages, or endorsements. The City reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as the City review or acceptance of insurance maintained by the contractor/consultant, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by the contractor/consultant under this agreement/contract.

Throughout the term of this agreement/contract, the contractor/consultant and all sub-contractors/sub-consultants or other agents hereunder shall, at their sole expense, maintain in full force and effect, the following insurance coverages and limits described herein, including endorsements:

1. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440. The contractor/consultant further agrees to be responsible for its employees' employment, control, and conduct and any injury sustained by such employees during their employment.
2. Liability Insurance.
 - (a) Naming the City of Pompano Beach as an additional insured as the City's interests may appear, on General Liability Insurance only, relative to claims which arise from the proposer's negligent acts or omissions in connection with contractor/consultant's performance under this agreement/contract.
 - (b) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

Type of Insurance**Limits of Liability**

GENERAL LIABILITY: Minimum \$1,000,000 Per Occurrence and
\$2,000,000 Per Aggregate

* Policy to be written on a claims incurred basis

XX comprehensive form	bodily injury and property damage
XX premises - operations	bodily injury and property damage
___ explosion & collapse hazard	
___ underground hazard	
XX products/completed operations hazard	bodily injury and property damage combined
XX contractual insurance	bodily injury and property damage combined
XX broad form property damage	bodily injury and property damage combined
XX independent contractors	personal injury
XX personal injury	
___ sexual abuse/molestation	Minimum \$1,000,000 Per Occurrence and Aggregate
___ liquor legal liability	Minimum \$1,000,000 Per Occurrence and Aggregate

AUTOMOBILE LIABILITY: Minimum \$1,000,000 Per Occurrence and Aggregate.
Bodily injury (each person) bodily injury (each accident),
Property damage, bodily injury and property damage combined.

XX comprehensive form XX owned
XX hired
XX non-owned

REAL & PERSONAL PROPERTY

___ comprehensive form Agent must show proof they have this coverage.

EXCESS LIABILITY Per Occurrence Aggregate

___ other than umbrella bodily injury and \$1,000,000 \$1,000,000
property damage combined

PROFESSIONAL LIABILITY Per Occurrence Aggregate

XX * Policy to be written on a claim made basis \$1,000,000 \$1,000,000

(c) If Professional Liability insurance is required, the Consultant agrees the indemnification and hold harmless provisions set forth in the agreement/contract shall survive the termination or expiration of the agreement/contract for a period of four (4) years unless terminated

sooner by the applicable statute of limitations.

CYBER LIABILITY

Per Occurrence Aggregate

___	* Policy to be written on a claims-made basis	\$1,000,000	\$1,000,000
___	Network Security / Privacy Liability		
___	Breach Response / Notification Sublimit (minimum limit of 50% of policy aggregate)		
___	Technology Products E&O - \$1,000,000 (only applicable for vendors supplying technology-related services and or products)		
___	Coverage shall be maintained in effect during the period of the agreement/contract and for not less than four (4) years after termination/ completion of the agreement/contract.		

3. Employer's Liability. If required by law, the Consultant and all sub- contractors/sub-consultant shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability Insurance in the minimum amount of One Hundred Thousand Dollars (\$100,000.00) per employee, Five Hundred Thousand Dollars (\$500,000) per aggregate.

4. Policies: Whenever, under the provisions of this agreement/contract, insurance is required of the Awarded Proposer, the Awarded Proposer shall promptly provide the following:

- (a) Certificates of Insurance evidencing the required coverage;
- (b) Names and addresses of companies providing coverage;
- (c) Effective and expiration dates of policies; and
- (d) A provision in all policies affording thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

5. Insurance Cancellation or Modification. Should any required insurance policies be canceled before the expiration date or modified or substantially modified, the issuing company/firm shall provide thirty (30) days written notice to the City.

6. Waiver of Subrogation. The awarded company/firm waives any and all rights of subrogation against the City, its officers, employees, and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement/contract to waive subrogation without an endorsement. The awarded company/firm shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy that includes a condition to the policy not specifically prohibiting such an endorsement or voids coverage should the Awarded Proposer enter into such an agreement/contract on a pre-loss basis.

H. Selection/Evaluation Process

A Selection/Evaluation Committee (Committee) will be appointed to select the most qualified company(ies)/ firm(s). The Committee will present its findings to the City Commission. The City Manager will approve a selection evaluation committee to assist in evaluating the Statement of Qualifications(s) received and to select the most qualified firm(s). All Statement of Qualifications will be reviewed by the Evaluation Committee and Procurement and Contracts staff based on the information submitted by the Submitting Firm(s) in response to this RFQ. The Committee's findings will be presented to the City Commission. Based upon the evaluation, the Evaluation Committee will recommend up to eight (8) Submitting Firms to the City Commissioners for the award and execution of

an Agreement.

Proposals will be evaluated using the following criteria:

Line	Criteria	Points Range
1	Demonstrated expertise and experience in sustainability and resilience planning	0 - 40
2	Quality and relevance of previous project examples.	0 - 45
	a) Number of similar projects	
	b) Complexity of similar projects	
	c) References from past projects performed by the company/firm	
	d) Previous projects performed for the City (provide the description)	
	e) Litigation within the past five (5) years arising out of the company's/firm's performance (list, describe outcome)	
4	Local Business Program	0 - 15
Total		100

NOTE:

Financial statements required as submittals to prequalify for a solicitation will be exempt from public disclosure; however, financial statements submitted to prequalify for a solicitation and not required by the City may be subject to public disclosure.

The City Commission has the authority to (including, but not limited to) approve the recommendation, reject the recommendation, and direct staff to re-advertise this solicitation or, review the responses themselves and/or request oral presentations and determine a ranking order that may be the same or different from what was originally presented to the City Commission.

- Tie Breaker:

In case where there is a tie for the highest-ranked proposers, the recommendations shall be made by giving preference to the following items in this order:

- 1) Maintenance of a Drug-Free Workplace in accordance with the requirements of 287.087, F.S.
- 2) Local Business Program Participation
- 3) Coin Toss

- Technicalities:

Failure to respond, provide detailed information, or provide requested proposal elements may reduce points in the evaluation process. The Committee may recommend rejecting any statement of qualifications containing material deviations from the RFQ. The Committee may recommend waiving any irregularities and technicalities. If only one (1) responsive proposal is received, the Committee will proceed without scoring the one (1) responsive statement received and may recommend for Procurement and Contracts Department staff to negotiate the best terms and conditions with that sole firm or may recommend rejecting the proposal.

- Committee's Recommendations:

The Evaluation Committee may recommend rejecting the statement of qualifications received or awarding the contract.

A complete recording shall be made of each meeting (evaluation and negotiation session) conducted by the Committee by the Purchasing Agent. The Committee may choose to conduct one (1) or more exempt negotiation session(s) with as many ranked responsive firms, in its sole judgment, as it deems appropriate

before making its recommendation for award, starting with the highest-ranked firm first, then the second highest-ranked firm, and so on. The Committee also has the discretion to recommend negotiations with only a single responsive firm if the Committee chooses to do so. During any such negotiations, the City staff assigned to negotiate reserves the right to negotiate any term, condition, or specification during an exempt negotiation session with the highest-ranked responsive firm.

Per Section 286.0113(2), Florida Statutes, any negotiation session will be conducted to exclude the other ranked responsive firm and the public. The Committee will recess the open public portion of the evaluation meeting and conduct the exempt negotiation session of the competitive selection process, beginning with the highest-ranked responsive firm first, then the second highest-ranked firm, and so on until finished. The Committee also has the discretion to commence negotiations with only a single responsive firm if it chooses to do so. Each ranked responsive firm must be represented during its exempt negotiations session by an authorized representative possessing the authority to bind the firm to the changes made during the negotiation session and be prepared to provide its best and final offer. Any information communicated between the Committee and a ranked responsive firm during an exempt negotiation session shall not be disclosed to anyone during the open portion of the meeting, including other ranked responsive firms until disclosure is permitted under Section 286.0113(2), Florida Statutes.

After the exempt negotiation session(s) is/are completed, the Committee shall reconvene the open public portion of the evaluation meeting and determine, by motion and a roll call vote, whether to recommend the approval of up to eight (8) ranked responsive firms; to declare an impasse with a ranked responsive firm; or to proceed with further negotiations with one (1) or more of the next highest-ranked responsive firms. The Committee may declare an impasse with a ranked responsive firm at any time or proceed with further negotiations with one (1) or more of the next highest-ranked firm(s). Suppose negotiations are unsuccessful or have reached an impasse with a ranked firm; in that case, the Committee reserves the right not to recommend an award to a ranked firm if it is in the City's best interest and must be stated on the record. The final scores are only a ranking of statements received for negotiation (i.e., the highest-ranked firm will be the first to start the negotiations) and do not determine the actual award.

- **Determination of Award:**

The City Commission shall consider the Committee's recommendation to approve the selection of up to eight (8) firms for this RFQ and may approve such a recommendation. The City Commission may also, at its option, reject the Evaluation Committee's recommendation, or it may also reject all statements received, in which case the City may choose to re-advertise this project "as is" or by adopting a modified version.

This RFQ intends to approve a list of firms rather than awarding the contract to any specific firm. The City intends to engage up to 8 firms for professional services to advance sustainability and resilience initiatives. This approach allows us to leverage the expertise of multiple firms, ensuring a diverse range of perspectives and solutions. By collaborating with these selected firms, we aim to enhance our efforts in developing and implementing effective strategies that promote sustainability and resilience within our community.

I. Hold Harmless and Indemnification

Proposer covenants and agrees that it will indemnify hold harmless the City, its officials, employees, volunteers and other authorized agents from and against any and all claims, demands, suits, damages, attorneys' fees, fines, losses, penalties, defense costs or liabilities suffered by the City to the extent caused by any negligent act, omission, breach, recklessness or misconduct of Consultant and/or any of its agents, officers, or employees hereunder, including any inaccuracy in or breach of any of the representations, warranties or covenants made by the Consultant, its agents, officers and/or employees, in the performance of services of this agreement/contract. To the extent considered necessary by City, any sums due Consultant hereunder may be retained by City until all of City's claims for indemnification hereunder have been settled

or otherwise resolved, and any amount withheld shall not be subject to payment or interest by City.

J. Right to Audit

Awarded company's/firm's records which shall include but not be limited to accounting records, written policies and procedures, computer records, disks and software, videos, photographs, sub-contract/sub-consultants files (including proposals of successful and unsuccessful proposers), originals estimates, estimating worksheets, correspondence, change order files (including documentation covering negotiated settlements), and any other supporting evidence necessary to substantiate charges related to the agreement/contract (all the foregoing hereinafter referred to as "records") shall be open to inspection and subject to audit and/or reproduction, during regular working hours, by City's agent or its authorized representative to the extent necessary to adequately permit evaluation and verification of any invoices, payments or claims submitted by the Awarded Proposer or any of its payees pursuant to the execution of the agreement/contract. Such records subject to the examination shall also include but are not limited to, those necessary to evaluate and verify direct and indirect costs (including overhead allocations) as they may apply to costs associated with the agreement/contract.

For the purpose of such audits, inspections, examinations, and evaluations, the City's agent or authorized representative shall have access to said records from the effective date of the agreement/contract, for the duration of the service, and until five (5) years after the date of final payment by the City to awarded company/firm pursuant to the agreement/contract.

The City agent or its authorized representative shall have access to the awarded company's/firm's facilities, all necessary records, and adequate and appropriate workspace to conduct audits in compliance with this article. The City agent or authorized representative shall give auditees reasonable advance notice of intended audits.

The awarded company/firm shall require all sub-contractors/sub-consultants, insurance agents, and material suppliers (payees) to comply with this article's provisions by inserting the requirements in any written agreement/contract. Failure to obtain such written agreements/contracts that include such provisions shall be reason to exclude some or all of the related payees' costs from amounts payable to the contractor/consultant pursuant to the agreement/contract.

K. Retention of Records and Right to Access

The City is a public agency subject to Florida Statutes Chapter 119. The awarded company/firm shall comply with Florida's Public Records Law, as amended. Specifically, the awarded company/firm shall:

1. Keep and maintain public records required by the City to perform the service;
2. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Florida Statutes Chapter 119, or as otherwise provided by law;
3. Ensure that public records that are exempt or that are confidential and exempt from public record requirements are not disclosed except as authorized by law;
4. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the agreement/contract term and following completion of the agreement/contract if the awarded company/firm does not transfer the records to the City; and
5. Upon completion of the agreement/contract, transfer all public records in possession of the awarded company/firm at no cost to the City, or keep and maintain public records required by the City to perform the service. If the awarded company/firm transfers all public records to the City upon completion of the agreement/contract, the awarded company/firm shall destroy any duplicate public

records that are exempt or confidential and exempt from public records disclosure requirements. If the awarded company/firm keeps and maintains public records upon completion of the agreement/contract, the awarded company/firm shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City upon request from the City's custodian of public records in a format compatible with the City's information technology systems.

L. Communications

No negotiations, decisions, or actions shall be initiated or executed by the company/firm as a result of any discussions with any City employee. Only those communications in writing from the City may be considered duly authorized expressions on behalf of the City. In addition, only communications that are in writing from an authorized representative of the company/firm will be recognized by the City as duly authorized expressions on behalf of the respective company/firm.

M. No Discrimination

No discrimination shall be made on the basis of race, sex, color, age, religion, or national origin in the operations conducted under any agreement/contract with the City.

N. Independent Contractor

The awarded company/firm will conduct business as an independent contractor/consultant under the terms of the agreement/contract. Personnel services provided by the awarded company/firm shall be by employees of the awarded company/firm and subject to supervision by the awarded company/firm, and not as City officers, employees, or agents. Personnel policies, tax responsibilities, social security and health insurance, employee benefits, purchasing policies, and other similar administrative procedures applicable to services rendered under the agreement/contract shall be those of the awarded company/firm.

O. Staff Assignment

The City of Pompano Beach reserves the right to approve or reject, for any reason, Proposer's staff assigned to this project at any time. Background checks may be required.

P. Agreement/Contract Terms

The agreement/contract resulting from this solicitation shall include, but not be limited to, the following terms:

- The agreement/contract shall include, at minimum, the entirety of this solicitation and the awarded proposal. The City of Pompano Beach City Attorney shall prepare it.
- If the City defends any claim, demand, cause of action, or lawsuit arising out of any act, action, negligent acts or negligent omissions, or willful misconduct of the contractor/consultant, its employees, agents, or servants during the performance of the agreement/contract, whether directly or indirectly, awarded company/firm agrees to reimburse the City for all expenses, attorney's fees, and court costs incurred in defending such claim, cause of action or lawsuit.

Q. Waiver

It is agreed that no waiver or modification of the agreement/contract resulting from this solicitation or of any covenant, condition, or limitation contained in it shall be valid unless it is in writing and duly executed by the party to be charged with it. No evidence of any waiver or modification shall be offered or received in evidence in any proceeding, arbitration, or litigation between the parties arising out of or affecting the agreement/contract or the right or obligations of any party under it unless such waiver or modification is in writing, duly executed as previously provided. The parties agree that the provisions of this paragraph may not be waived except by duly executed writing.

R. Survivorship Rights

The agreement/contract resulting from this solicitation shall be binding on and inure to the benefit of the respective parties and their executors, administrators, heirs, personal representatives, successors, and assigns.

S. Manner of Performance

Proposer agrees to perform its duties and obligations under the agreement/contract resulting from this solicitation professionally and in accordance with all applicable local, federal, and state laws, rules, and regulations.

Proposer agrees that the services provided under the agreement/contract resulting from this solicitation shall be provided by educated, trained, experienced, certified, and licensed employees in all areas encompassed within its designated duties. Proposer agrees to furnish the City of Pompano Beach with all documentation, certification, authorization, license, permit, or registration currently required by applicable laws, rules, and regulations. Proposer further certifies that it and its employees are now in and will maintain good standing with such governmental agencies and that it and its employees will keep all licenses, permits, registration, authorization or certification required by applicable laws or regulations in full force and effect during the term of the agreement/contract. Failure of Proposer to comply with this paragraph shall constitute a material breach of agreement/contract.

T. Acceptance Period

Proposals submitted in response to this solicitation must be valid for no less than one hundred and twenty (120) days from the closing date.

U. Conditions and Provisions

The completed proposal (together with all required attachments) must be submitted electronically to the City on or before the time and date as written herein. By electronically submitting a proposal, all proposers shall agree to comply with all of this solicitation's conditions, requirements, and instructions as written or implied herein. All proposals and supporting materials submitted will become the property of the City.

Proposer's response shall not contain any alteration to the document posted other than entering data in the spaces provided or including attachments as necessary. By submission of a response, Proposer affirms that a complete set of solicitation documents was obtained from the eBid System only, and no alteration of any kind has been made to this solicitation. Exceptions or deviations to this proposal may not be added after the due date.

All proposers are required to provide all information requested in this solicitation. Failure to do so may result in disqualification of the proposal.

The City reserves the right to postpone or cancel this solicitation or reject all proposals if, in its sole discretion, it deems it to be in the City's best interest to do so.

The City reserves the right to waive any technical or formal errors or omissions and to reject all proposals or to award agreement/contract for the items herein, in part or whole, if it is determined to be in the City's best interests to do so.

The City shall not be liable for any costs incurred by the Proposer in preparing proposals or for any work performed therein.

V. Standard Provisions

1. Governing Law

Any agreement/contract resulting from this solicitation shall be governed by the laws of the State of Florida, and the venue for any legal action relating to such agreement/contract will be in Broward County, Florida.

2. Licenses

In order to perform public work, the awarded company/firm shall be licensed to do business in Florida, if an entity, and hold or obtain such Contractor and Business Licenses if required by State Statutes or local ordinances.

3. Conflict of Interest

To determine any possible conflict of interest, each Proposer must disclose if any Elected Official, Appointed Official, or City Employee is also an owner, corporate officer, or an employee of the company/firm. If any Elected Official, Appointed Official, or City Employee is an owner, corporate officer, or an employee, the Proposer must file a statement with the Broward County Supervisor of Elections pursuant to Florida Statute, Section 112.313.

4. Drug-Free Workplace

The awarded company(ies)/firm(s) will be required to verify it will operate a “Drug-Free Workplace” as outlined in Florida Statute, Section 287.087.

5. Public Entity Crimes

A person or affiliate who has been placed on the convicted vendor list following a conviction for public entity crime may not submit a proposal on an agreement/contract to provide any goods or services to a public entity, may not submit a proposal on an agreement/contract with a public entity for the construction or repair of a public building or public work, may not submit proposals on leases of real property to public entity, may not be awarded or perform work as a contractor, supplier, sub-contractor, consultant or sub-consultant under agreement/contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in Florida Statute, Section 287.017, for Category Two for a period of thirty-six (36) months from the date of being placed on the convicted vendor list.

6. Patent Fees, Royalties, And Licenses

Suppose the awarded company/firm requires or desires to use any design, trademark, device, material or process covered by letters of patent or copyright. In that case, the awarded company/firm and his surety shall indemnify and hold harmless the City from any and all claims for infringement because of the use of any such patented design, device, trademark, copyright, material, or process in connection with the work agreed to be performed and shall indemnify the City from any cost, expense, royalty or damage which the City may be obligated to pay because of any infringement at any time during or after completion of the work.

7. Permits

The Awarded Proposer shall be responsible for obtaining all permits, licenses, certifications, etc., required by federal, state, county, and municipal laws, regulations, codes, and ordinances to perform the work required in these specifications and to conform to the requirements of said legislation.

8. Familiarity with Laws

It is assumed the selected company(ies)/firm(s) will be familiar with all federal, state, and local laws, ordinances, rules, and regulations that may affect its/their services pursuant to this solicitation. Ignorance on the part of the company/firm will not relieve the company/firm from responsibility.

9. Withdrawal of Proposals

A company/firm may withdraw its proposal without prejudice no later than the advertised deadline for submission of proposals by written communication to the Procurement and Contracts, 1190 N.E. 3rd Avenue, Building C, Pompano Beach, Florida 33060.

10. Composition of Project Team

Company(ies)/Firm(s) are required to commit that the principals and personnel named in the proposal will perform the services throughout the contractual term unless otherwise provided for by way of a negotiated agreement/contract or written amendment to same executed by both parties. No diversion or substitution of principals or personnel will be allowed unless a written request that sets forth the qualifications and experience of the proposed replacement(s) is submitted to and approved by the City in writing.

11. Invoicing/Payment

All invoices should be sent to the City of Pompano Beach, Accounts Payable, P.O. Drawer 1300, Pompano Beach, Florida 33061. In accordance with Florida Statutes, Chapter 218, payment will be made within forty-five (45) days after receipt of a proper invoice.

12. Public Records

- a. The City of Pompano Beach is a public agency subject to Florida Statutes, Section 119. The awarded company/firm shall comply with Florida's Public Records Law, as amended. Specifically, the Awarded Proposer shall:
 - i. Keep and maintain public records required by the City in order to perform the service;
 - ii. Upon request from the City's custodian of public records, provide the City with a copy of requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Florida Statutes, Section 119 or as otherwise provided by law;
 - iii. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the agreement/contract term and following completion of the agreement/contract if the awarded company/firm does not transfer the records to the City; and
 - iv. Upon completion of the agreement/contract, transfer all public records in possession of the awarded company/firm at no cost to the City, or keep and maintain public records required by the City to perform the service. If the awarded company/firm transfers all public records to the City upon completion of the agreement/contract, the awarded company/firm shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the awarded company/firm keeps and maintains public records upon completion of the agreement/contract, the contractor/consultant shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City, upon request from the City's custodian of public records in a format compatible with the City's information technology systems.
- b. Failure of the contractor/consultant to provide the above-described public records to the City within a reasonable time may subject the contractor/consultant to penalties under Florida Statute Section 119.10, as amended.

PUBLIC RECORDS CUSTODIAN

IF THE CONTRACTOR/CONSULTANT HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S/CONSULTANT'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS AGREEMENT/CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:

CITY CLERK

100 W. Atlantic Blvd., Suite 253 Pompano Beach, Florida 33060 (954) 786-4611

RecordsCustodian@copbfl.com

W. Questions, Communication, and Addendums

All questions regarding this solicitation will be submitted using the Questions feature in the eBid System. Questions must be received at least seven (7) calendar days before the due date and time specified herein. Oral and other interpretations or clarifications will be without legal effect. Addendum/Addenda will be posted to this solicitation in the eBid System, and it is the proposer's responsibility to obtain all addenda before submitting a response to this solicitation.

Issuing a written addendum or posting an answer in response to a question submitted using the Questions feature in the eBid System are the only official methods for interpretation, clarification, or additional information. If any addendum is issued to this solicitation, the addendum will be issued via the eBid System. Before submitting its response, each proposer shall be responsible for contacting the City's Procurement and Contracts Department at (954) 786-4098 to determine if an addendum was issued and to make such an addendum a part of its proposal. Each addendum will be posted to the solicitation in the eBid System.

X. Contractor Performance Report

The City will utilize the Contractor Performance Report to monitor and record the awarded company's/firm's performance for the work specified by the agreement/contract. The Contractor Performance Report has been included as an exhibit in this solicitation.

Y. Protest Procedures

The Protest Procedures established within the Procurement and Contracts Procedures Manual and Section 120.57, Florida Statutes must be followed to file a valid Protest to this solicitation. To be considered, protests concerning the proposed solicitation award must be filed in writing with the Procurement and Contracts Director. They may only be filed by bidders or proposers whom the solicitation or award may aggrieve. The initial protest must be addressed to the following:

Director of Procurement and Contracts,

City of Pompano Beach

1190 N.E. 3rd Avenue, Building C, Pompano Beach, Florida 33060

Z. Attachments and Attributes

Attachments

1. **Project Team**
2. **T1_T2_Form** - To comply with the City's Local Business Program as a Tier-1 or Tier-2 vendor, you must complete this form and upload it to the Response Attachments tab.
3. **Proposer Information Form** - Proposer Information Form is to be included in your proposal that must be uploaded to the Response Attachments Tab.
4. **Vendor Certif. Scrutinized Companies** - Must be uploaded to the Response Attachment Tab
5. **Bid Bond Form** - Each bid requires a certified check or bid bond executed on the prescribed form, payable to the City of Pompano Beach, Florida, in an amount not less than 5 percent (5%) of the amount bid. Bidder shall upload a copy of their bid bond or a copy of the certified check to the Response Attachments tab in the eBid System. The awarded bidder will be required to submit the original executed bid bond or cashier's check prior to the execution of the contract and before the commencement of any work.
6. **SAMPLE SERVICE AGREEMENT** - Sample purposes only. The City reserves the right to add, delete or modify any and all terms and conditions of this sample agreement.

Attributes

1. Local Business
2. Drug-Free Workplace
3. Conflict of Interest
4. Terms & Conditions
5. Acknowledgement of Addenda
6. Local Business Participation Percentage

RFQ #: RFQ25-037 Tentative City Commission Meeting Date*: TBD

RFQ Title: Professional Services for Sustainability Projects # Notified: 1275 # Downloaded: 27

of Responses Rec'd: 11 # of "No Bids": 1

For: Planning Department RFQ Opening Date: 05/29/2025
(Department)

POSTING OF RFQ RECOMMENDATION/TABULATION: RFQ Recommendations and Tabulations will be posted in the eBid System, IonWave, and will remain posted for 72 hours. Any person who may be adversely affected by the decision or intended decision shall file a notice of protest in writing within 72 hours of posting the notice of the decision or intended decision. The formal written protest shall be filed within ten (10) days after the date the notice of protest is filed. Failure to file a notice of protest or a formal written protest shall constitute a waiver of proceedings under this chapter. Section 120.57(3)(b), Florida Statutes, states that "The formal written protest shall state with particularity the facts and law upon which the protest is based." Saturdays, Sundays, state holidays, and days when the City is closed shall be excluded from the computation of the 72-hour time period provided. Filings shall be at the office of the Director of Procurement and Contracts, 1010 NE 3rd Avenue, Pompano Beach, FL 33060. Any person who files an action protesting an intended decision shall post with the City, at the time of filing the formal written protest, a protest bond, payable to the City of Pompano Beach, Florida, in an amount equal to one percent (1%) of the estimated value of the contract. Failure to submit the protest bond within the time allowed for filing a bond shall constitute a waiver of the right to protest. Failure to file a protest within the time prescribed in Section 120.57(3), Florida Statutes, or failure to post the protest bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.

(*) The Cone of Silence, as stated in the RFQ, is in effect until the City Commission approves it. The City Commission meeting date stated above is tentative. Confirm with the Purchasing Agent of record for the actual date the Cone of Silence has concluded.

RECOMMENDATION TABULATION

The City of Pompano Beach, Florida, received eleven (11) proposals for RFQ25-037 Professional Services for Sustainability Projects. IBM and NEBAH Enterprises LLC failed to submit documentation detailed in Section F - Required Proposal Submittal and were deemed non-responsive.

Proposal	Score	Ranking
Keith and Associates, Inc.	296.00	Highest Ranked
Chen Moore and Associates.	267.00	2nd Highest Ranked
Kimley-Horn and Associates, Inc.	257.00	3rd Highest Ranked
Arcadis US, Inc.	244.00	4th Highest Ranked
AECOM (AECOM Technical Services, Inc.)	232.00	5th Highest Ranked
Aptim Environmental & Infrastructure, LLC	231.00	6th Highest Ranked
RS&H, Inc	218.00	7th Highest Ranked
EXP U.S. Services	202.00	8th Highest Ranked
WM Sustainability Services (Waste Management National Services, Inc.)	100.00	9th Highest Ranked
IBM	Non-responsive	Non-responsive
NEBAH Enterprises LLC	Non-responsive	Non-responsive

The Evaluation Committee has passed a formal motion recommending an award to a pool consisting of the eight highest-ranked firms. Upon thorough review of all proposals received in response to the RFQ, the Committee confirmed that each of the top eight firms meets all the requirements outlined in the solicitation. As such, all eight are deemed fully responsive and responsible, and are each recommended for contract award.

By:

Jeffrey English

(Purchasing Agent)

Date:

07/07/2025



RFQ25-037 Addendum 4

Aptim Environmental & Infrastructure, LLC

Supplier Response

Event Information

Number: RFQ25-037 Addendum 4
Title: Professional Services for Sustainability Projects
Type: Request for Qualifications
Issue Date: 4/17/2025
Deadline: 5/29/2025 02:00 PM (ET)
Notes: The City of Pompano Beach seeks to engage qualified professional services to advance sustainability and resilience initiatives. This RFQ aims to select firm(s) with proven expertise in engineering, urban planning, vulnerability assessment, adaptation planning, biodiversity enhancement, natural resource conservation, green stormwater infrastructure, urban forestry planning, and sustainability policy integration.

This RFQ intends to approve a list of firms rather than awarding the contract to any specific firm. The City plans to engage up to 8 firms for professional services to advance sustainability and resilience initiatives. This approach allows us to leverage the expertise of multiple firms, ensuring a diverse range of perspectives and solutions. By collaborating with these selected firms, we aim to enhance our efforts in developing and implementing effective strategies that promote sustainability and resilience within our community. The selected firms shall demonstrate specific experience and capabilities and must have qualified personnel and expertise in the specified disciplines.

This RFQ is subject to the “Cone of Silence,” which imposes certain restrictions on communications concerning the RFQ process. The Cone of Silence shall take effect once this solicitation is released to the General Public. Respondents to this solicitation or persons acting on their behalf may not contact, between the release of the solicitation and the end of the 72 hours following the agency posting the notice of intended award, excluding Saturdays, Sundays, and state holidays, any employee or officer of the executive or legislative branch concerning any aspect of this solicitation, except in writing to the procurement officer or as provided in the solicitation documents. Violation of this provision may be grounds for rejecting a response.” (F.S 287.057 (25)).

Any proposer or lobbyist for a proposer is prohibited from having any communications concerning any solicitation for a competitive procurement with any member of the City Commission, City Clerk, City Manager’s Office, any Evaluation Committee Member, or any other City of Pompano Beach employee after Procurement and Contracts releases a solicitation to the General Public. All communications must go through the Procurement and Contracts Department staff. No other member of the City Commission, City Clerk, City Manager’s Office, any Evaluation Committee Member, or any other City of Pompano Beach employee should be contacted concerning this RFQ. Any information that amends any portion of this RFQ received by any method other than an Addendum issued to the RFQ is not binding on the City of Pompano Beach.

Proposals must be submitted electronically through the eBid System (IonWave) on or before the due date and time as provided herein. Any proposal received after the due date and time specified will not be considered. Any uncertainty regarding the time a proposal is accepted will be resolved against the proposer.

Proposers must be registered on the City’s eBid System in order to view the solicitation documents and respond to this Solicitation. The complete solicitation document can be downloaded from the eBid System as a PDF at <https://www.pompanobeachfl.ionwave.net>. The City is not responsible for the accuracy or completeness of any documentation the proposer receives from any source other than the eBid System. The proposer is solely responsible for downloading all required documents. A list of proposers will be read aloud in a public forum. To attend the virtual public meeting, go to <https://www.pompanobeachfl.gov/pages/meetings> to find the Zoom link.

Contact Information

Contact: Eric Seifer
Address: Procurement and Contracts
1190 NE 3 Avenue

Building C
Pompano Beach, FL 33060
Email: eric.seifer@copbfl.com

Aptim Environmental & Infrastructure, LLC Information

Address: 6401 Congress Avenue
Suite 140
Boca Raton, FL 33487
Phone: (561) 391-8102

By submitting this Response I affirm I have received, read and agree to the all terms and conditions as set forth herein. I hereby recognize and agree that upon execution by an authorized officer of the City of Pompano Beach, this Response, together with all documents prepared by or on behalf of the City of Pompano Beach for this solicitation, and the resulting Contract shall become a binding agreement between the parties for the products and services to be provided in accordance with the terms and conditions set forth herein. I further affirm that all information and documentation contained within this response to be true and correct, and that I have the legal authority to submit this response on behalf of the named Supplier (Offeror).

Tracie McCauley

Signature

tracie.mccauley@aptim.com

Email

Submitted at 5/29/2025 12:37:37 PM (ET)

Supplier Note

Thank you for the opportunity to submit for the RFQ. We have attached our submittal and if you should have any questions or need anything further, please reach out to Samantha Danchuk at 561.532.5882 or samantha.danchuk@aptim.com. Thank you.

Requested Attachments

Proposal

APTIM_RFQ25-037 Professional
Services for Sustainability
Projects.pdf

Proposals shall be submitted electronically through the eBid System (Response Attachments Tab). Proposer shall upload the response as one (1) file to the eBid System. The file size for uploads is limited to 250 MB. If the file size exceeds 10 MB, the response must be split and uploaded as two (2) separate files.

Proposer Information Form

APTIM Proposer Information Page
Form-RFQ.pdf

Proposer Information Form is to be included in your proposal that must be uploaded to the Response Attachments Tab.

Project Team

APTIM PROJECT TEAM.pdf

T1 - T2 Form

APTIM_Chappel_T1_T2_Form 12-
2021_SIGNED.pdf

To comply with the City's Local Business Program as a Tier-1 or Tier-2 vendor, you must complete this form and upload it.

Vendor Certif. Scrutinized Companies form.

APTIM Vendor Certif. Scrutinized
Companies Over \$1000.pdf

Financial Statements

APTIM E&I LLC Financials.pdf

To permit the City to comply with Section 119.071 of Florida Statutes, exempting financial statements from public records, please do not include confidential financial statements in your proposal. Label financial statements "CONFIDENTIAL" and attach them here.

Bid Attributes

1 Local Business

Is your company a Local Business located within the City of Pompano Beach City Limits as required by the Local Business Program? (A copy of your current City of Pompano Beach Business Tax Receipt may be requested.)

No

2 Drug-Free Workplace

STATEMENT UNDER SECTION 287.087, FLORIDA STATUTES ON DRUG-FREE WORKPLACE
**REQUESTED INFORMATION BELOW IS ON THE ATTRIBUTES TAB FOR THE RFP IN THE EBID SYSTEM.
PROVIDE THIS INFORMATION ELECTRONICALLY.**

Preference must be given to Contractors submitting certification with their bid or proposal, certifying they have a drug-free workplace in accordance with Section 287.087, Florida Statutes. This requirement affects all public entities of the State and becomes effective January 1, 1991.

Preference shall be given to businesses with drug-free workplace programs. Whenever two or more bids which are equal with respect to price, quality and service are received by the State or by any political subdivision for the procurement of commodities or contractual services, a bid received from a business that certifies that it has implemented a drug-free workplace program shall be given preference in the award process. Established procedures for processing tie bids will be followed if none of the tied vendors have a drug-free workplace program. In order to have a drug-free workplace program, a business shall:

- (1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
 - (2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
 - (3) Give each employee engaged in providing the commodities or contractual services that are under bid, a copy of the statement specified in subsection (1).
 - (4) In the statement specified in subsection (1) notify the employees that as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace, no later than five (5) days after such conviction.
 - (5) Impose a sanction on, or require the satisfactory participation in, a drug abuse assistance or rehabilitation program if such is available in the employee's community, by an employee who is so convicted.
 - (6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.
- As the person authorized to sign this statement, I certify that his company/firm complies with the above requirements.

By choosing YES, I hereby certify that the company/firm complies with all the above requirements

Yes

3 Conflict of Interest

For purposes of determining any possible conflict of interest, all bidders must disclose if any City of Pompano Beach employee is also an owner, corporate officer, or employee of their business. Indicate either "Yes" (a City employee is also associated with your business), or "No". (Note: If answer is "Yes", you must file a statement with the Supervisor of Elections, pursuant to Florida Statutes 112.313.) Indicate Yes or No below with the drop down menu.

No

4 Terms & Conditions

Check the box indicating you agree to the terms and conditions of this solicitation.

☒ Agree

5 Acknowledgement of Addenda

Check this box to acknowledge that you have reviewed all addenda issued for this solicitation.

☒ Yes

6 Local Business Participation Percentage

If you have indicated local business participation on the Local Business Participation Form Exhibit A enter the percentage of the contract that will be performed by local Pompano Beach businesses.

15%

PROJECT TEAM

COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN THEIR PROPOSAL, WHICH MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

RFQ # 25-037 Name: Aptim Environmental & Infrastructure, LLC

Federal I.D.# 77-0589932

PRIME

Role	Name of Individual Assigned to Project	Number of Years' Experience	Education, Degrees
Principal-In-Charge	<u>Samantha Danchuk, PE</u>	<u>18</u>	<u>PhD Civil Engineering</u>
Project Manager	<u>Samantha Danchuk, PE</u>	<u>18</u>	<u>PhD, Civil Engineering</u>
Asst. Project Manager	<u>Cigdem Ozkan, PE</u>	<u>10</u>	<u>PhD, Civil and Environmental Engineering</u>
Other Key Member	<u>John Lerczak</u>	<u>8</u>	<u>MS, Environmental Mgmt. & Sustainability</u>
Other Key Member	<u>Warren Graham</u>	<u>18</u>	<u>MBA</u>

SUB-CONSULTANT

Role	Company/Firm Name and Address of Office Handling the Project	Name of Individual Assigned to the Project
(specify)	<u>The Chappel Group</u>	<u>Tyler Chappel, ISA, CA</u>
(specify)	<u>714 E. McNab Road</u>	<u>Gabe Detina</u>
(specify)	<u>Pompano Beach, FL</u>	
(specify)	<u>33060</u>	
(specify)		
(specify)		
Other Key Member		
Other Key Member		
Other Key Member		

COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRITY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RFQ IN THE EBID SYSTEM.

PROPOSER INFORMATION PAGE

RFQ _____, _____
(number) (RFQ name)

To: The City of Pompano Beach, Florida

The below named company hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in the RFQ. I have read the RFQ and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by:

Name (printed) _____ Title _____

Company (Legal Registered) _____

Federal Tax Identification Number _____

Address _____

City/State/Zip _____

Telephone No. _____ Fax No. _____

Email Address _____

REQUESTED INFORMATION BELOW IS ON THE ATTRIBUTES TAB IN THE EBID SYSTEM. PROVIDE THIS INFORMATION ELECTRONICALLY.

VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: Aptim Environmental & Infrastructure, LLC

Vendor FEIN: 77-0589932

Section 287.135, Florida Statutes, prohibits agencies from contracting with companies, for goods or services over \$1,000,000, that are on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List. Further, Section 215.4725, Florida Statutes, prohibits agencies from contracting (at any dollar amount) with companies on the Scrutinized Companies that Boycott Israel List, or with companies that are engaged in a boycott of Israel. As the person authorized to sign electronically on behalf of Respondent, I hereby certify by selecting the box below that the company responding to this solicitation is not listed on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or the Scrutinized Companies that Boycott Israel List. I also certify that the company responding to this solicitation is not participating in a boycott of Israel, and is not engaged in business operations in Syria or Cuba. I understand that pursuant to sections 287.135 and 215.4725, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.

I Certify



VENDOR CERTIFICATION REGARDING SCRUTINIZED COMPANIES LISTS

Respondent Vendor Name: Aptim Environmental & Infrastructure, LLC

Vendor FEIN: 77-0589932

Section 215.4725, Florida Statutes, prohibits agencies from contracting (at any dollar amount) with companies on the Scrutinized Companies that Boycott Israel List, or with companies that are engaged in a boycott of Israel. As the person authorized to sign electronically on behalf of Respondent, I hereby certify by selecting the box below that the company responding to this solicitation is not listed on the Scrutinized Companies that Boycott Israel List. I also certify that the company responding to this solicitation is not participating in a boycott of Israel, and is not engaged in business operations in Syria or Cuba. I understand that pursuant to sections 287.135 and 215.4725, Florida Statutes, the submission of a false certification may subject company to civil penalties, attorney's fees, and/or costs.

I Certify



TIER 1/TIER 2 COMPLIANCE FORM

IN ORDER FOR YOUR FIRM TO COMPLY WITH THE CITY'S LOCAL BUSINESS PROGRAM AS A TIER 1 OR TIER 2 VENDOR, BIDDERS MUST COMPLETE THE INFORMATION BELOW AND UPLOAD THE FORM TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

TIER 1 LOCAL VENDOR

APTIM is not local to the City, however, commitment was made to a local subcontractor in Pompano Beach for 15%. Addenda stated criteria will be awarded based on solicitation, not this form.

☒ My firm has maintained a permanent place of business within the city limits and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 10 % of the contract value.

and/or

☐ My firm has maintained a permanent place of business within the city limits and maintains a staffing level, within this local office, of at least 10 % who are residents of the City of Pompano Beach.

or

☐ My firm does not qualify as a Tier 1 Vendor.

TIER 2 LOCAL VENDOR

☐ My firm has maintained a permanent place of business within Broward County and my submittal includes subcontracting commitments to Local Vendors Subcontractors for at least 20% of the contract value.

and/or

☐ My firm has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach

or

☒ My firm does not qualify as a Tier 2 Vendor.

I certify that the above information is true to the best of my knowledge.

5/21/2025

Date

Samantha Danchuk

Bidder/Proposer (Print Name)

Aptim Environmental & Infrastructure, LLC

Name of Prime Company/Firm

Bidder/Proposer (Signature)

TIER 1/TIER 2 COMPLIANCE FORM

IN ORDER FOR YOUR FIRM TO COMPLY WITH THE CITY'S LOCAL BUSINESS PROGRAM AS A TIER 1 OR TIER 2 VENDOR, BIDDERS MUST COMPLETE THE INFORMATION BELOW AND UPLOAD THE FORM TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

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or

☐ My firm does not qualify as a Tier 1 Vendor.

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and/or

☒ My firm has maintained a permanent place of business within Broward County and maintains a staffing level, within this local office, of at least 15% who are residents of the City of Pompano Beach

or

☐ My firm does not qualify as a Tier 2 Vendor.

I certify that the above information is true to the best of my knowledge.

5/29/25

Date

Tyler Chappell

Bidder/Proposer (Print Name)

The Chappell Group, Inc.

Name of Prime Company/Firm



Bidder/Proposer (Signature)

CITY OF POMPANO BEACH REQUEST FOR QUALIFICATIONS **PROFESSIONAL SERVICES FOR SUSTAINABILITY PROJECTS**

PROPOSED TO:

CITY OF POMPANO BEACH

100 West Atlantic Boulevard
Pompano Beach, FL 33060

PROPOSED BY:

APTIM ENVIRONMENTAL & INFRASTRUCTURE. LLC

6401 Congress Avenue, Suite 140
Boca Raton, FL 33487

CITY OF POMPANO BEACH
100 W. Atlantic Blvd.
CITY HALL



DATE: May 29, 2025

RFQ#: 25-037

The background of the entire page is a photograph of a modern, multi-story building with large glass windows and a flat roof. In the foreground, there is a paved walkway with a brick pattern, flanked by low concrete walls and green grass. Several tall palm trees are scattered throughout the scene, some in front of the building and others to the side. The entire image is overlaid with a semi-transparent blue geometric design consisting of several large triangles and polygons. A dark blue horizontal bar is positioned across the upper portion of the image, containing the title text.

TITLE PAGE

TITLE PAGE

Project Name: RFQ 25-037
City of Pompano Beach Request for Qualifications
Professional Services for Sustainability Projects

Company/Firm: Aptim Environmental & Infrastructure, LLC
6401 Congress Ave, Suite 140
Boca Raton, FL 33487

Contact Person: Samantha Danchuk, PhD, PE
Climate and Coastal Resilience Lead
Phone: 561 532 5882
Email: Samantha.Danchuk@APTIM.com

Date: May 29, 2025

The background of the entire page is a photograph of a modern building with large glass windows and palm trees in front of it. A dark blue geometric overlay, consisting of several overlapping triangles and polygons, covers the right side and bottom of the image. A dark blue horizontal bar is positioned across the upper middle of the page, containing the page number and title.

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City of Pompano Beach

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LETTER OF TRANSMITTAL





May 29, 2025

Aptim Environmental & Infrastructure, LLC
6401 Congress Ave, Suite# 140
Boca Raton, FL 33487 6401

Director of Procurement and Contracts,
City of Pompano Beach
1190 N.E. 3rd Avenue, Building C, Pompano Beach, Florida 33060

Subject: RFQ 25-037 | City of Pompano Beach Request for Qualifications Professional Services for Sustainability Projects

Dear Director of Procurement and Contracts:

Aptim Environmental & Infrastructure, LLC (APTIM), a Louisiana Limited Liability Company incorporated on April 23, 2002 (23 years), is pleased to submit our response for consideration on the City of Pompano Beach Request for Qualifications Professional Services for Sustainability Projects. With over two decades of experience and a local office in Boca Raton, APTIM is uniquely positioned to support the City's vision for a more resilient, efficient, and sustainable future.

As a nationally recognized leader in climate resilience, sustainability, and infrastructure adaptation, APTIM brings integrated expertise across adaptation planning, implementation strategies, energy efficiency, and water conservation. Our multidisciplinary team has successfully delivered comparable scopes for municipalities across Florida and the U.S., including greenhouse gas inventories, vulnerability assessments, energy and water audits, sustainability roadmaps, and decarbonization plans. We are proud to support cities in meeting the requirements of the Resilient Florida program while advancing practical solutions for climate mitigation and infrastructure resilience.

APTIM's expertise and experience directly support the goals and strategies outlined in the City of Pompano Beach's Sustainability Strategy, the Southeast Florida Regional Climate Change Compact's Regional Climate Action Plan (RCAP), and Broward County's Climate Change Element and Future Conditions Land Use Plan. Our team has deep experience implementing the integrated, cross-sectoral approaches required for success—ranging from infrastructure resilience and emissions reduction to energy efficiency, green infrastructure, and equity-centered engagement. **Dr. Samantha Danchuk, PE**, who serves as APTIM's Project Manager, brings unmatched local experience to this engagement. She has served the Broward County community for over a decade—first as Assistant Chief Resilience Officer for Broward County, where she led development of the County's climate resilience policies, including future conditions land use planning, minimum tidal flood barrier elevation standards, and adaptation action areas. In her current role as a consultant, Dr. Danchuk has continued delivering engineered adaptation solutions and implementation strategies across Florida. Her leadership and technical fluency with the regional policy framework and state regulatory process make her—and APTIM—the best possible team to help Pompano Beach advance its vision for a sustainable and climate-resilient future.

To further strengthen local impact and ensure regulatory alignment, APTIM has partnered with **The Chappell Group, a certified MBE** headquartered in Pompano Beach. With decades of experience in wetland permitting, coastal restoration, and environmental assessments, The Chappell Group brings critical local knowledge and permitting expertise that will support nature-based solutions and efficient implementation pathways for the City's Adaptation Plan. As a local vendor with deep knowledge of the City's coastal conditions, The Chappell Group is uniquely positioned to support APTIM in developing nature-based strategies for Pompano Beach that are both technically sound and locally responsive.

APTIM fully understands the City of Pompano Beach's goals to advance sustainability through comprehensive adaptation planning, implementation planning, energy audits, and water audits. We have organized our approach to meet the requirements outlined in the RFP including:

1. Our staff will serve you from our local office in Boca Raton, less than 10 miles from City.
2. We will meet the goal for 15% contribution for local vendor.
3. Examples from 19 similar projects, matching complexity of scope
4. Multiple references from Broward County and South Florida for similar projects.
5. APTIM is currently under contract with Pompano Beach. Previously, providing services in Pompano for coastal management, Pompano Pier, site remediation and mitigation.
6. Proven experience and award winning adaptation planning, sustainability, resilience, engineering, and urban planning; specialized expertise in vulnerability assessment, biodiversity enhancement, natural resource conservation, green stormwater infrastructure, urban forestry, and integrated watershed management; strong GIS and data analysis capabilities for mapping, modeling, and scenario planning; and a demonstrated ability to lead effective communication and public engagement, while collaborating closely with municipal departments, regional agencies, and community stakeholders.

We are committed to delivering high-quality, timely, and cost-effective services that support the City's long-term resilience and sustainability objectives. Dr. Samantha Danchuk, PE, is authorized to make representations on behalf of APTIM for this proposal. She serves as the Resilience Lead for APTIM.

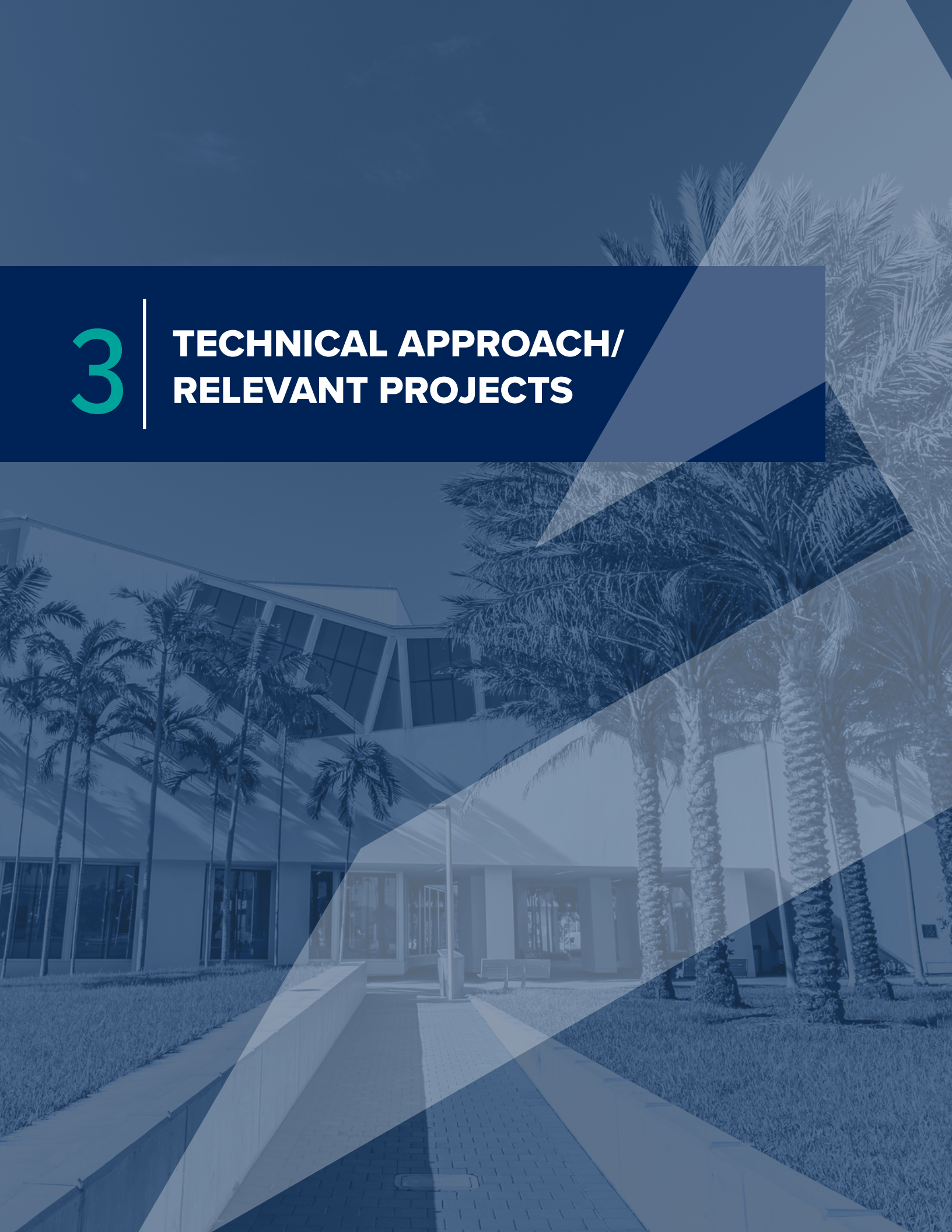
Kind Regards,
Aptim Environmental & Infrastructure, LLC



Samantha Danchuk, PhD, PE
Climate and Coastal Resilience Lead
6401 Congress Ave, Suite# 140
Boca Raton, FL 33487 6401
Phone: 561 532 5882 Email: Samantha.Danchuk@APTIM.com

3

TECHNICAL APPROACH/ RELEVANT PROJECTS



3: TECHNICAL APPROACH & RELEVANT PROJECTS



3. TECHNICAL APPROACH / RELEVANT PROJECTS:

Overview

APTIM brings a proven technical approach grounded in data-driven analysis, stakeholder collaboration, and actionable planning to support Pompano Beach’s adaptation, energy, and water goals. Our team integrates climate vulnerability assessments with implementation-ready strategies, leveraging advanced modeling tools, regulatory expertise, and funding knowledge to accelerate project delivery. With a strong track record on Florida coastal adaptation projects and energy efficiency programs, APTIM stands out for its multidisciplinary capabilities and commitment to resilient, cost-effective solutions.

The following approach outlines our methodology for addressing the key scope items APTIM will provide services for, including:

- Task 1: Adaptation Planning
- Task 2: Implementation Planning
- Task 5: Water Audits
- Task 6: Energy Audits

From project kick-off through final delivery, project management is embedded in every APTIM plan, process, and deliverable. Our structured approach is designed to ensure high-quality results, delivered on time and within budget. With a proven track record managing complex resilience and infrastructure projects across Florida, APTIM combines meticulous administration, proactive communication, and rigorous QA/QC processes to exceed client expectations. Our team fosters seamless collaboration across stakeholders through regular check-ins, milestone tracking, and transparent reporting. **Figure 3-1** illustrates APTIM’s proposed project timeline, which reflects this disciplined approach. The timeline sequences each task—Adaptation Plan Development, Implementation Planning, Water Audit, and Energy Audit—to optimize staff resources, align with dependencies, and enable early delivery of actionable results. APTIM recognizes the Resilient Florida Grant Agreement (#25PLN21) End Date of **June 29, 2027** for the City’s Adaptation Plan, however, our team is able and ready to expedite this timeline for early completion as shown in **Figure 3-1** to facilitate early kick-off for the Implementation Planning task. With the vast experience, staff availability, and automated processes that the APTIM team has built over the years, our team is ready to hit the ground running upon notice to proceed, and deliver products that will support the City’s sustainability and resilience efforts sooner than later. APTIM acknowledges that the City’s ongoing vulnerability assessment may not be completed at the time of notice to proceed for the adaptation planning task. Our team is willing to work with the City’s current consultant to obtain

preliminary results from the vulnerability assessment and utilize in adaptation planning efforts after a through quality control process.

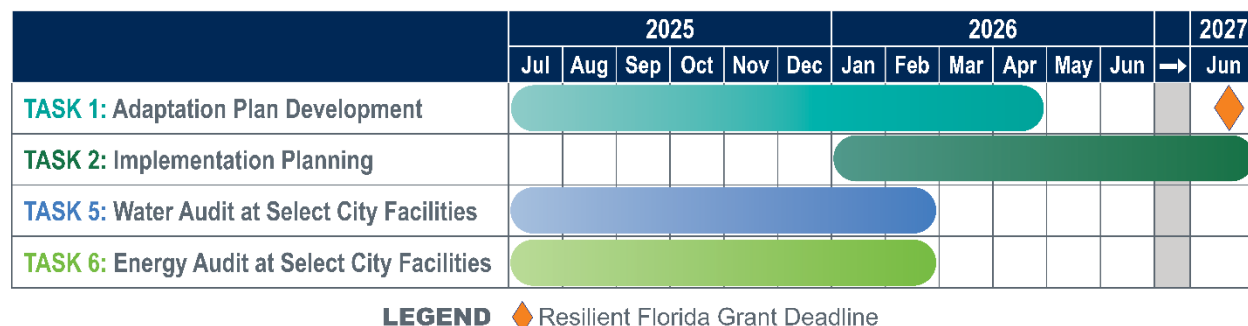


Figure 3-1. Proposed Project Timeline

The following relevant projects are included to demonstrate our expertise and experience in successfully completing scope items:

Task 1: Adaptation Planning

1. FDEP Florida Adaptation Planning Guidebook Development and Workshop Series
2. Delray Beach Adaptation Plan
3. Captiva Vulnerability Assessment and Adaptation Plan
4. Longboat Key Vulnerability Assessment and Adaptation Plan
5. Broward County, Port Everglades Southport Phase IX-B Risk Planning (The Chappell Group)
6. Broward County, Port Everglades Turning Notch Adaptation Planning & Engineering (The Chappell Group)
7. Village of Estero Vulnerability Assessment and Adaptation Plan
8. Okaloosa County Vulnerability Assessment and Adaptation Plan
9. Escambia County Vulnerability Assessment and Adaptation Plan

Task 2: Implementation Planning

1. Above projects listed for Task 1
2. Deerfield Beach Greenhouse Gas Inventory and Sustainability Roadmap
3. Miami Dade County Resilience Hubs Strategy
4. South Florida Military Installation Resilience Review
5. Atlas of Disaster
6. Enterprise Partners Affordable Housing Resilience Tool

Task 5: Water Audits

1. Confidential Client- National Parks Energy and Water Audits Nationwide
2. Sustainability Consulting Services Midway and O'Hare International Airports

Task 6: Energy Audits

1. Confidential Client- National Parks Energy and Water Audits Nationwide
2. Deerfield Beach Greenhouse Gas Inventory and Sustainability Roadmap
3. Focus on Energy Program Administrator of Statewide Energy Efficiency and Renewable Energy Program Wisconsin
4. Entergy New Orleans, LLC Smart Energy Efficiency Programs: Third Party Administrator (TPA) Louisiana



Local Understanding

Pompano Beach has already taken meaningful steps toward addressing coastal and inland risks and improving efficiency through its FY 2021–2025 Capital Improvement Plan (CIP), which reflects a strong commitment to infrastructure investment and risk reduction. Projects such as seawall rehabilitation, canal dredging, shoreline protection, and integrated utility improvements, particularly in flood-prone neighborhoods like Lyons Park, demonstrate the City’s leadership in building resilience through capital planning. These infrastructure efforts are reinforced by the City’s Sustainability Strategy, which outlines additional priorities for stormwater improvements, coastal resilience, and the use of nature-based solutions. Our approach is designed to support this vision by translating planning goals into implementable, fundable adaptation strategies.

APTIM understands that the City is now advancing a climate change vulnerability assessment and working to designate Adaptation Action Areas (AAAs). This effort provides a critical foundation for prioritizing adaptation strategies and aligning with state and federal funding opportunities. Our team is prepared to support the City of Pompano Beach in building on this progress.

Understanding of Adaptation Plans | APTIM excels in identifying and prioritizing critical infrastructure and assets, working collaboratively to develop prioritization mechanisms that align with unique needs. Our approach emphasizes the development of tailored resilience strategies, including evaluating the benefits and costs of implementing these strategies to ensure they are economically feasible and address the objectives of unique localities and landscapes. APTIM understands the importance of engaging in collaborative planning, centering public participation to shape resilience plans that resonate with local communities and stakeholders.

We are equally committed to translating strategies into action. Our seasoned experts provide the technical prowess needed to assist in developing and updating the internal documents and manuals of municipalities and communities, ensuring they align seamlessly with recommended adaptation strategies and flood resilience initiatives. APTIM has developed strategies in the past that encompass the management of shorelines, stormwater and public assets, preparing for redevelopment, supporting community engagement and planning for future capital investments.

CCBJ Award

“We wrote the book on adaptation in Florida—literally.”

APTIM was honored with a CCBJ Award for authoring the **Florida Adaptation Planning Guidebook**, the state’s foundational resource for climate resilience planning



When implementing plans, APTIM provides a description of each proposed implementation strategy with lists of key focus areas and relevant stakeholders to support implementation. Strategies are then organized and prioritized by planning horizons which include current conditions, mid-term, and long-term. To further support implementation, APTIM provides a schedule of resilience projects, preliminary costs as well as a breakdown of the anticipated return on investment.

Task 1: Adaptation Plan Development

APTIM's experience with coastal planning and design paired with our recent experience assisting several Florida municipalities including Delray Beach, Longboat Key, and Captiva Island positions us to produce a comprehensive, locally customized, accessible, and detailed Adaptation Plan. The following describes our team's approach and initial perception of the necessary elements to be included in the plan.

Identification and Prioritization of Adaptation Needs | APTIM will prioritize adaptation needs based on the at-risk infrastructure identified in the City's vulnerability assessment and an evaluation of existing adaptive capacity, ensuring that the most critical areas of concern are addressed in the adaptation plan. This process will be informed by quantitative risk data, departmental input, and engagement with the Steering Committee, City staff, and community stakeholders, in accordance with statutory requirements.

APTIM acknowledges that the City's ongoing vulnerability assessment may not be completed at the time of notice to proceed for the adaptation planning task. Our team is willing to work with the City's current consultant to obtain preliminary results from the vulnerability assessment and utilize in adaptation planning efforts after a thorough quality control process.

Prioritized Projects for Each Asset Class | A list of projects will be generated as defined in subsection 380.093(2), F.S. Based on the findings of the analysis, APTIM may recommend that coastal infrastructure be adapted to resist flood elevations of a certain elevation. APTIM recommends City to update their existing seawall ordinance to encourage private compliance with the findings of the study.

Recognizing the pivotal role of policy in facilitating effective adaptation measures, our plan will include a set of comprehensive policy recommendations. Adaptation strategies concerning beach and shore restoration and erosion control will be recommended for incorporation within the Capital Improvement Plan. To guide private adaptation and increase the likelihood that the community has systemic resilience to flooding, a new policy regarding tidal flood barriers along shorelines and enhancement of green infrastructure along the waterfront will be recommended. Assets identified for hardening, elevation, or physical adaptation to mitigate flood risks will be accompanied by detailed plans ready for subsequent design, permitting, and construction. The optimized sequencing of measures and anticipated funding sources will be clearly outlined in the plan.

APTIM will identify and prioritize adaptation actions using a combination of quantitative risk data, input from City staff, and engagement with key stakeholders. Priority will be given to actions that address critical infrastructure, historically underserved areas, and locations with limited adaptive capacity. The APTIM team will use several integrated methods to support this process, including an adaptive capacity assessment that evaluates regulatory, technical, fiscal, and community readiness across the City. This analysis will help identify where gaps in institutional capability may compound exposure and sensitivity to climate impacts. In parallel, our team will carry out structured interviews and internal reviews with City departments to assess existing programs, policies, and operational capacities that influence resilience implementation. This approach ensures that priority actions reflect both the severity of risk and the City's operational ability to respond effectively. The prioritization process will consider not only exposure but also feasibility, cost-effectiveness, and alignment with community values.

To ensure equitable outcomes, APTIM will incorporate **social vulnerability metrics such as census-based indices and Environmental Justice indicators**, with particular focus on neighborhoods facing heightened exposure and limited resources.

Framework for Project Evaluation | To ensure a transparent and locally relevant approach to evaluating adaptation strategies, APTIM will apply a structured, multi-criteria framework grounded in both quantitative and qualitative measures, drawing directly from the Florida Adaptation Planning Guidebook, which our team developed in partnership with the Florida Department of Environmental Protection. This framework will be tailored to Pompano Beach's specific challenges, including recurrent flooding in neighborhoods like Lyons Park, aging drainage systems, and vulnerable populations in low-lying areas. It also supports the City's

| Feasibility Analysis

The adaptation plan will **include a robust feasibility component, encompassing a comprehensive funding analysis and implementation strategy analysis.**

Adaptation strategies will be evaluated based on previous analyses, existing data and coordination with the City. If feasible, adaptation strategies will be developed to derive co-benefits for community resilience including water quality improvements. Costs of adaptation strategies will be estimated based on libraries developed as part of the U.S. Army Corps of Engineers South Atlantic Coastal Study or recent project costs.

Sustainability Strategy Workplan (Phase 4), which emphasizes the use of data-driven social, economic, and environmental indicators to guide project evaluation and prioritization. Using tools such as cost-benefit analysis, return on investment (ROI), and the STAPLEE method (Social, Technical, Administrative, Political, Legal, Economic, and Environmental criteria), APTIM will assess project feasibility, benefits, and obstacles. Community feedback and vulnerability data will help guide strategy selection, ensuring decisions are equitable, practical, and grounded in local experience.

This approach builds on successful community engagement models implemented in similar projects, such as the Deerfield Beach Sustainability Roadmap, where hands-on public workshops (**Figure 3-2**) were used to identify community priorities. Insights gathered through these sessions informed strategy development and helped ensure proposed actions were responsive to in local conditions and needs. Additional evaluation criteria will include alignment with adaptive capacity outcomes, reliance on interdepartmental coordination, and

the potential for nature-based or socially co-beneficial impacts. The APTIM team will define performance indicators such as reduced flood volume, increased vegetative cover, improved public access, or percentage of implementation to enable progress tracking and support future funding eligibility.



Figure 3-2 Community engagement during a public outreach meeting for the Deerfield Beach Sustainability Roadmap, held at the City campus.

Implementation Schedule and Funding Strategy |

To guide the successful execution of adaptation strategies, APTIM will develop a phased implementation schedule that organizes actions into **near-term, mid-term, and long-term planning horizons**. This schedule will align with the City's CIP and budgeting cycles to ensure that adaptation measures complement existing infrastructure investments, such as seawall rehabilitation and canal dredging projects already underway. Each action will include proposed timelines, lead and supporting agencies, permitting or regulatory requirements, and key dependencies to support practical integration into ongoing City operations. This phased approach reflects Workplan Phase 3 of the City's Sustainability Strategy, which calls for identifying project portfolios and associated implementation steps to advance resilience goals from concept to delivery. APTIM will also prepare a funding strategy that identifies eligible local, state, federal, and private sources. Using tools

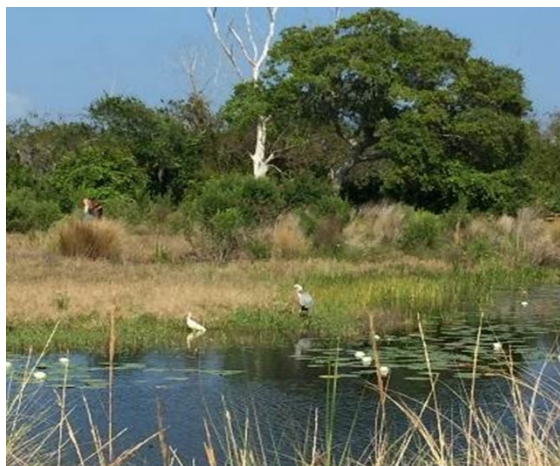
from the Florida Adaptation Planning Guidebook, our team will match actions with programs such as Resilient Florida, FEMA's BRIC and FMA, and IJA infrastructure funding. Where feasible, APTIM will highlight bundled or phased funding opportunities to support multi-benefit projects like green stormwater infrastructure and shoreline enhancements.

Integration of Green Stormwater Infrastructure | Green stormwater infrastructure (GSI) will be considered a central element of the adaptation strategy portfolio wherever applicable. Strategies such as bioswales, rain gardens (**Figure 3-3**), green streets, and permeable pavement will be explored for their ability to reduce runoff, improve water quality, enhance neighborhood aesthetics, and provide urban cooling and habitat benefits. These strategies will be evaluated not only for their engineering function, but also for their ability to contribute to heat



Figure 3-3. Green infrastructure like this smart rain garden in Veterans Memorial Park, City of Cape Canaveral is an example of Accommodation. Low impact development and green infrastructure in upstream locations reduce downstream flows by allowing more stormwater to infiltrate in place, thereby taking the pressure off the existing downstream stormwater infrastructure. (Photo credit: Zachary Eichholz, City of Cape Canaveral Chief Resilience Manager)

reduction, water quality improvements, and enhanced public spaces. This approach aligns with the City's Sustainability Strategy, which calls for expanding the use of green infrastructure, updating City-wide stormwater BMP guidance, and reducing pollutant loads through low-impact development. By reinforcing the goals outlined in the City's sustainability project portfolio and phased implementation plan, the Adaptation Plan will help ensure that future investments deliver both resilience and environmental benefits.



Perico Reserve, Bradenton FL

Advancement of Flood Mitigation Alongside Biodiversity and Conservation | APTIM's approach will emphasize integrated strategies that not only reduce flood risk but also support biodiversity and the protection of natural resources. Where feasible, our team will prioritize nature-based solutions such as living shorelines, expanded green infrastructure, and urban canopy restoration that offer co-benefits for stormwater management, habitat connectivity, and water quality. The plan will identify opportunities to restore or enhance existing ecosystems such as mangroves, wetlands, and canals, which serve as natural buffers to flooding. Informed by Pompano Beach's environmental context and the findings of its vulnerability assessment, our team will ensure

that recommended actions strengthen ecological resilience alongside infrastructure improvements. These priorities directly support the City's Sustainability Strategy focus areas on Climate and Resilience, Urban Forestry, and Open Space, which emphasize balancing flood protection with ecosystem preservation and increased canopy coverage. APTIM will also incorporate metrics to help the City track ecological benefits over time, including reductions in impervious surface area, increases in vegetative cover, and protection of critical habitat areas.

Potential Strategies



Hybrid Living Shoreline with Resilient Engineered Features | To protect critical infrastructure along the Intracoastal Waterway and near the Pompano Inlet, a hybrid living shoreline solution would combine vegetative buffers with engineered components such as low-profile revetments or breakwaters. This approach could mitigate erosion, attenuate wave energy, and support native habitat restoration. If directed, APTIM could perform hydrodynamic modeling using DELFT3D+SWAN to evaluate shoreline performance, tidal interaction, and ecosystem impacts. Model outputs will inform design refinement and public outreach strategies. This effort would also support shoreline visualization to encourage voluntary implementation by private property owners where applicable.



Outreach and Support for Shoreline Adaptation | To support the implementation of Pompano Beach's minimum shoreline elevation policy, APTIM will assist the City in developing a targeted outreach strategy that encourages private property owners to voluntarily upgrade seawalls to meet or exceed current standards. Using our ELEVATE tool, APTIM will assess seawall conditions along the City's shoreline to identify priority areas where outreach and technical support will be most effective.

Outreach efforts will include accessible materials such as elevation maps, infographics, and policy summaries that clearly communicate flood risks, city requirements, and property owner responsibilities. APTIM will also support engagement through workshops and stakeholder

meetings to highlight the benefits of shoreline improvements, including reduced flood risk, code compliance, and long-term cost savings. These efforts are intended to support residents and developers in taking proactive steps toward coastal resilience in alignment with the City's adaptation and sustainability goals.



Mangrove Adaptation Plan |

Mangroves provide a range of vital ecosystem services including shoreline protection from storm and hurricane winds, waves, and floods and erosion prevention. Historical records and habitat suitability suggest opportunities for restoration in protected areas such as the Pompano Community Park outfall basin and adjacent canal edges near the Hillsboro Inlet. A Mangrove Adaptation Plan will identify viable restoration zones, assess hydrologic conditions and salinity levels, and propose phased planting aligned with sea level rise projections. APTIM will apply NOAA's Sea Level Affecting Marshes Model (SLAMM) to simulate future shoreline evolution and evaluate habitat persistence under various scenarios. The plan will enhance shoreline resilience while providing co-benefits for water quality, biodiversity, and habitat connectivity.



Oysters recruit on mangrove roots which enhances water quality.



Canopy and Heat Resilience Strategy |

Neighborhoods in Pompano Beach located west of I-95 experience elevated heat stress due to low tree canopy cover and impervious surfaces. An urban canopy strategy will guide investments in street tree planting, shade structures, and heat-reflective materials in priority heat island zones. This strategy will leverage locally available heat exposure and social vulnerability data, along with parcel-level GIS analysis, to target implementation areas. APTIM will help develop high-level planting typologies, community engagement materials, and maintenance protocols to ensure long-term canopy health and advance social equity benefits.

Task 2: Implementation Planning

Following the identification and analysis of adaptation strategies, APTIM will transition from planning to implementation. This phase will include identifying and pursuing appropriate funding opportunities, developing a phased schedule of adaptation actions, and establishing a robust framework for monitoring and evaluating progress over time.

APTIM will define specific implementation strategies, detailing the steps necessary to integrate adaptation measures into existing planning, budgeting, and staffing systems. APTIM will evaluate the community's institutional readiness and available resources to guide a **realistic and phased implementation approach**. In many cases, APTIM will begin exploring implementation options early in the process, using knowledge of available funding mechanisms, aligned capital improvement schedules, and local capacity, even prior to completion of the Vulnerability Assessment.

To effectively reduce climate related risks, it is critical that the City has the capacity to act. APTIM will work with the City and the local partners to ensure the necessary technical and

organizational foundations are in place, while recognizing that adaptive capacity can strengthen over time. **Early implementation serves as an opportunity to build experience and momentum for long-term resilience.**

This component of the adaptation plan will focus on logistics: APTIM will align the timeline of activities with funding opportunities and identify responsible entities to lead each adaptation action. Our team will ensure that the strategies are not only technically sound but also feasible to implement and sustain.

Figure 3-4 illustrates how APTIM conceptualizes the six key components of resilient communities, providing a framework that integrates physical, social, and organizational systems. These include: (1) Community Partnerships, which foster inclusive engagement and locally driven planning; (2) Infrastructure Protection, which ensures that critical assets are designed or retrofitted to withstand hazards; (3) Resilience & Recovery, focused on preparedness and post-disaster response capacity; (4) Transportation, emphasizing mobility networks that remain functional under stress; (5) Reliable Utilities & Communications, which are essential for continuity of operations and emergency coordination; and (6) Coastal Erosion Control & Restoration, which leverages both nature-based and structural solutions to reduce vulnerability in shoreline areas. These focus areas guide the implementation phase of the adaptation plan and inform the integration of adaptation strategies across sectors and systems.

CRAFTING RESILIENT COMMUNITIES



Figure 3-4. Six integrated focus areas that support resilient community development, from partnerships and planning to physical infrastructure and recovery systems.

Structured Implementation Plan | For each selected adaptation strategy, APTIM will develop a detailed implementation plan that includes phased timelines, budget-level cost estimates, and key performance indicators. These plans will outline clear, measurable steps for executing priority actions and will be designed to support adaptive management and align with state and federal funding requirements. Our team's methodology follows the Florida Adaptation Planning Guidebook (2025), ensuring consistency with statewide best practices. Implementation matrices

will be used to categorize actions by feasibility, permitting complexity, and interdepartmental coordination needs, allowing near-term efforts to align with current funding opportunities and long-term strategies to integrate with infrastructure planning horizons.

Departmental Coordination and Integration | APTIM will work closely with City departments to assign implementation responsibilities and integrate recommended actions into existing capital improvement plans and municipal workflows. Such collaboration ensures that adaptation strategies are operationalized through familiar channels, increasing the likelihood of sustained implementation and cross-departmental ownership.

Public-Private Partnerships | APTIM recognizes the value of leveraging public-private partnerships to support the implementation of climate adaptation strategies in communities like Pompano Beach. Our approach focuses on identifying opportunities where mutual benefits can be realized, such as working with private developers to incorporate green infrastructure into new construction or redevelopment and collaborating with utilities and service providers to strengthen the resilience of critical infrastructure. The APTIM team will explore incentives, zoning and policy tools, and financing mechanisms that align private-sector investments with resilience goals, particularly in redevelopment areas and zones prioritized for green infrastructure or shoreline protection.

Task 5: Water Audit at Selected City Facilities

Water audits can be a tool to better understand water efficiency opportunities and assist in achieving the City's sustainability goals. APTIM follows water efficiency industry standards to identify efficiency improvement opportunities. The APTIM team will begin by prioritizing the selected City facilities that have the highest water usage throughout the assessment of indoor and outdoor water usage patterns. Prior to conducting the water audit, our team will coordinate a kick-off call with stakeholders involved with each selected city facility. The purpose of this call is to connect the audit team with the City of Pompano representatives and discuss roles and responsibilities. Additionally, provide an opportunity to request additional data and information that would be helpful in preparation for the water audit.

During the on-site water audit, the audit team will evaluate all major water-using equipment and devices throughout the facility. The team will capture images of equipment name plates, systems, and mechanical equipment. All observations will be documented, and areas of opportunities will be captured.

Afterwards, each city facility will receive a comprehensive water audit report detailing the APTIM team's findings including water usage anomalies, potential leak identification that may need further investigation, water-using equipment inventory with comparison to efficiency standards and overall recommendations on water consumption reduction opportunities with a cost-benefit analysis.

Task 6: Energy Audits at Selected City Facilities

Energy audits are not just a tool for understanding energy use, but a gateway to improving operational efficiency and achieving sustainability goals. The APTIM team understands the power of energy audits and follows ASHRAE standards and guidance to perform and report on facilities' energy usage and identify cost saving opportunities. APTIM takes a holistic approach when conducting audits to inform long-term energy strategies, which incorporate higher investment decarbonization measures, by ensuring energy consumption is sufficiently optimized.



APTIM's overall strategy is to involve all appropriate stakeholders every step of the way and prioritize highest energy consuming building first after a thorough review of all energy data per selected City facility. Prior to conducting the energy audit, our team will coordinate a kick-off call with stakeholders involved with each selected city facility. The purpose of this call is to connect the audit team with the City of Pompano representatives and discuss roles and responsibilities. Additionally, provide an opportunity to request additional data and information that would be helpful in preparation for the energy audit. Lastly, review the final scope of work, schedule, final deliverables, and next steps.

During the on-site energy audit, the audit team will evaluate all HVAC system, lighting, insulation, equipment performance and assess any building controls or automation systems. The team will capture images of equipment name plates, systems, and electrical/mechanical equipment (e.g., pumps, motors, condensers). All observations will be documented, and areas of efficiency improvement opportunities will be identified.

Afterwards, each city facility will receive an ASHRAE Level energy audit report detailing the APTIM team's findings including energy-saving measures, renewable energy integration opportunities and a cost-benefit analysis for all recommendations. Additionally, the report will include a comprehensive action plan prioritizing all recommended energy efficiency upgrades.

City of Chicago Department of Aviation | APTIM manages many sustainability planning and implementation activities and day-to-day aspects of its sustainability program. The team coordinates with City of Chicago employees, contractors, local utilities, and subcontractors. Key activities include:

- ▶ Conducted hundreds of sustainability site assessments of all types of city-owned spaces, identifying energy, waste, and water reduction opportunities.
- ▶ Provided guidance on how to enhance the efficiency of all major capital improvements (providing engineering support on opportunities for reducing energy consumption in the central plant and terminals)
- ▶ Developed energy dashboard that provides data on energy usage
- ▶ Identifies utility incentive program opportunities that can offset project implementation costs associated with both energy and water efficiency upgrades
- ▶ Created a GIS database of all electrical, water and gas meters to ensure appropriate data capture

Confidential Client- National Parks Energy and Water Audits Nationwide | APTIM conducted multi-disciplinary audits that included American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) energy audits, water audits and waste audits across dozens of properties at each National Park site. Tasks included:

- ▶ Identified cost saving opportunities and provided comprehensive reports detailing all findings and recommendations
- ▶ Incorporated decarbonization strategies into educational training programs that engaged with the client and key stakeholders
- ▶ Aligned audit activities to client's sustainability goals and regulatory drivers impacting each property
- ▶ Developed an action plan for energy efficiency upgrades with a full cost-benefit analysis
- ▶ Conducted a comprehensive assessment of all utility bills to identify additional cost saving opportunities against service agreements
- ▶ Acted as liaison between client and utility service provider to identify utility incentive program opportunities and potential negotiation strategies

The following projects represent APTIM's experience with similar work, demonstrating our capabilities in delivering solutions across comparable scopes. These projects highlight our team's technical expertise, attention to detail. And commitment to client satisfaction in executing assignments of similar size and complexity.



Task 1: Adaptation Planning
Task 2: Implementation Planning

Client

Florida Department of
Environmental Protection

Contract Value

\$39,945

Company Role

Prime

Current POCs

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FDEP FLORIDA ADAPTATION PLANNING GUIDEBOOK DEVELOPMENT & WORKSHOP SERIES

Florida | 2024-2024

Project Overview

In 2024, APTIM supported Florida municipalities to reduce physical risks associated with climate change (e.g., hurricanes, intense rainfall, storm surge, compound flooding, and sea level rise). Our coastal resilience experts worked with the Florida Department of Environmental Protection (FDEP) and engaged 300+ stakeholders to update the Florida Adaptation Planning Guidebook.

Project Description

Using the most recent and best available information and advanced research methods, the team developed a matrix of 30 metrics-driven and resilient adaptation strategies categorized by relative cost. With every \$1 invested in hazard mitigation efforts yielding up to \$11 in societal savings aided by 50+ federal mitigation grants, the tools provided by APTIM in this guidebook have the potential to deliver significant, scalable cost savings.

The project involved extensive stakeholder collaboration through virtual workshops and interviews, and iterative feedback processes. By establishing emerging best practices, such as setting short-, medium-, and long-term community adaptation goals to apply for targeted grants, the guidebook aims to serve as an essential resource for communities pursuing funding and implementing resilient solutions.

As part of this project, APTIM has developed a list of acceptable tasks and their corresponding deliverables for projects allowable for Resilient Florida Grant Program funding pursuant to s. 380.093(3)(b), F.S. This comprehensive list of activities and tasks provides guidance to FDEP for enhancing the Resilient Florida Grant Work Plan by including tasks related to adaptation plan development. It also equips communities with a broader range of project options for grant applications, along with a clear framework for deliverables to streamline the funding process.

This project received the 2024 Climate Change Business Journal Business Achievement Award.

PROJECT SUCCESSES

- Revised the guidebook to include new tasks and allowable activities, ensuring it reflected the latest best practices and funding opportunities.
- Successfully engaged stakeholders through virtual workshops, gathering valuable input that informed the guidebook updates.
- Created detailed guidance on allowable activities under the Resilient Florida Grant Program, supporting municipalities in developing robust adaptation plans.

Task 1: Adaptation Planning
Task 2: Implementation Planning

Client

City of Delray Beach

Contract Value

VA: \$198,000

AP: \$100,000

Company Role

Prime

Current POCs

Juan Moises Cuesta, P.E.

Stormwater Engineer

City of Delray Beach

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Delray Beach, FL 33444

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DELRAY BEACH ADAPTATION PLAN

Delray Beach, FL | Jan 2024 - Jul 2024

Project Overview

APTIM performed a Citywide Intracoastal Waterway seawall and stormwater outfall inspection to quantify the vulnerability of private and public seawalls and the public stormwater system to sea level rise and recurring storm effects. APTIM is currently completing an Adaptation Plan

for the city that includes an assessment of adaptive capacities, prioritization of adaptation needs, and identification of adaptation strategies.

Project Description

Vulnerability Assessment | These investigations included the surveying of 1,000 seawalls and over 100 stormwater outfalls. Recommendations for seawall elevation raising were provided to the City based on the combination of sea level rise for 30-year and 75-year time horizons and the effects of recurring storms. From this assessment, we outlined capital improvements for 58 public stormwater outfalls, 20 City-owned seawalls, and 800 privately owned seawalls. We also recommended that the City update their existing seawall ordinance to encourage private compliance with the findings of the study. APTIM participated in several public meetings to discuss the findings of the investigations (2017-2018). The City is implementing the highest priority recommendations.

Adaptation Plan | APTIM is developing an adaptation plan consistent with the Florida Adaptation Planning Guidebook and grant agreement requirements. After acquiring background data and evaluating the City and communities' capacity to address the impacts of sea level rise, APTIM will review local mitigation strategies, the Comprehensive Plan, floodplain management plans, master stormwater plans and previous sea level rise risk assessments. APTIM will interview key stakeholders to identify a list of the primary challenges facing the community related to sea level rise, storm surge and tidal flooding. A summary of findings will be compiled for inclusion into the final plan.

Task 1: Adaptation Planning
Task 2: Implementation Planning

Client

Captiva Erosion Prevention District

Contract Value

VA: \$66,884 / AP: \$500,000

Company Role

Prime

Current POCs

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Captiva Erosion Prevention District
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CAPTIVA VULNERABILITY ASSESSMENT & ADAPTATION PLAN

Captiva, FL | VA: 2022 – Apr 2023 / AP: Nov 2023 - Apr 2025

Project Overview

In 2019, APTIM was contracted to conduct an island-wide vulnerability assessment for the Captiva Erosion Prevention District (CEPD) to support resilience and coastal infrastructure funding applications. The objective of

this project was to form a deliverable, consistent with state guidance.

Project Description

Vulnerability Assessment | Flood and sea level scenarios were visualized and mapped to determine the extent of the island and the on and off island critical infrastructure that would be exposed. The potential impacts associated with each scenario were summarized by asset type including critical infrastructure, critical facilities, and valued resources on Captiva Island. The likelihood of occurrence of specific scenarios and the associated magnitude of impact of the flooding was analyzed island-wide and by asset to assess risk and rank vulnerabilities. The findings of the vulnerability assessment are intended to support subsequent funding pursuits and project conceptualization to increase community and coastal resilience and support the incorporation of future conditions planning into the CEPD's Beach and Shore Preservation Program.

Adaptation Plan | Based on prior vulnerability work and updates to work performed by CEPD, its partners, and public input, APTIM is producing a list of prioritized bayside adaptation areas to inform the way projects should be phased and the order in which they should be implemented if there are project interdependencies. APTIM will propose and assess the feasibility of a suite of strategies including structural (e.g. living shorelines, breakwaters, rip rap, etc.) and non-structural/policy-based (e.g. best management practices, proposed ordinance changes to the Lee County Code of Ordinances and Comprehensive Plan, policy changes, implementation methods, etc.) and options that can be implemented for bayside adaptation areas.

Task 1: Adaptation Planning
Task 2: Implementation Planning

Client

Town of Longboat Key, FL

Contract Value

\$259,963

Company Role

Prime

Current POCs

Isaac Brownman
Public Works Director
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LONGBOAT KEY VULNERABILITY ASSESSMENT & ADAPTATION PLAN

Town of Longboat Key | Aug 2019 - Mar 2023

Project Overview

APTIM was contracted with the Town of Longboat Key to conduct an island-wide assessment of potential impacts from sea level rise and recurrent flooding on public and private infrastructure in Longboat Key. Our phased approach was as follows: collect elevation data of critical infrastructure, conduct flood exposure, sensitivity, and risk assessments, define impacts, and develop adaptation strategies.

Project Description

The results of the Vulnerability Assessment were the basis for the development of the Sea Level Rise and Recurring Flooding Resilience Adaptation Plan. This plan represents an island wide resilience plan and risk-based capital plan with priority projects for the next 5, 10, and 20 years has been developed to support staff implementation of climate adaptation and flood mitigation. The plan consists of 25 strategic actions focused on management of shorelines, stormwater and public assets, preparing for redevelopment, supporting community engagement and planning for future capital investments.

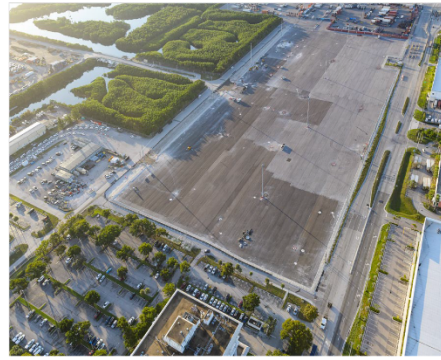
Project Successes

- ▶ Developed short- and medium-term resilient capital improvement plans based on conceptual design of adaptation strategies.
- ▶ Identified potential funding sources and included in the adaptation plan based on eligibility of measures.
- ▶ Successfully submitted for grant reimbursement

Task 1: Adaptation Planning
Task 2: Implementation
Planning



ENVIRONMENTAL CONSULTANTS
MARINA & WETLAND PERMITTING | PHASE 1 ESAS | MITIGATION DESIGN & MONITORING | T&E SPECIES SURVEYS



Southport Phase IX-B

***Fort Lauderdale,
Broward County, Florida***

Client:

Broward County Seaport Engineering and
Construction Division
Mr. John Foglesong
1850 Eller Drive, 5th Floor
Fort Lauderdale, FL 33316
(954) 468-0143

Services:

- Environmental Permitting
- Tree Survey
- Phase I Environmental Site Assessment
- Due Diligence
- Construction Inspection Services

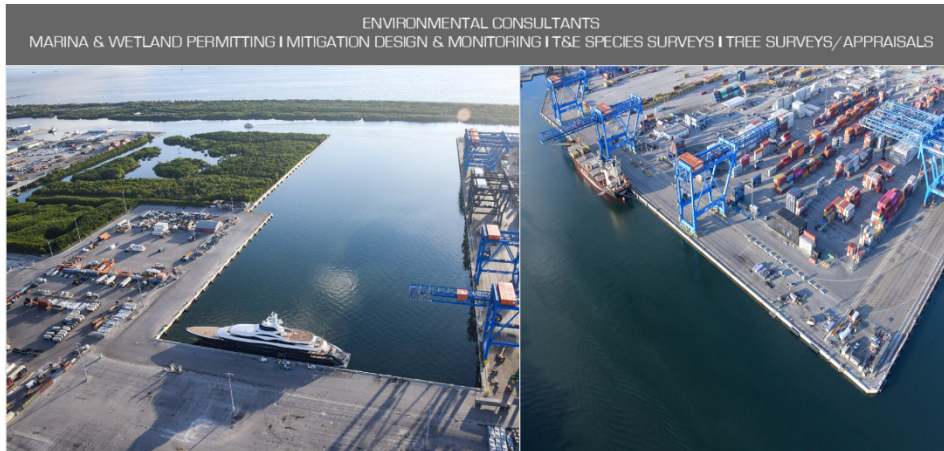
Project Duration: 2014-2025

Southport Phase IX-B included the construction of a new container storage yard within existing uplands included in an existing ± 250 -acre stormwater management system area. The project was approximately 23 acres and located along the Dania Cutoff Canal.

The Chappell Group, Inc. provided all environmental permitting for the project. Necessary environmental permits were obtained from the United States Army Corps of Engineers (ACOE), the Florida Department of Environmental Protection (FDEP), and the Broward County Environmental Protection and Growth Management Department (BCEPGMD). TCG conducted a tree survey and a Phase I Environmental Site Assessment. Additionally, TCG conducted a Due Diligence study to outline the potential vulnerabilities of the site and to provide risk-based adaptation strategies to be used in future planning and development of the site. TCG also performed inspection services during construction.

714 East McNab Road, Pompano Beach, Florida 33060

Task 1: Adaptation Planning
Task 2: Implementation
Planning



Port Everglades Turning Notch

**Port Everglades,
Broward County Florida**

Client:

Mr. John Foglesong
Division Director
Seaport Engineering & Construction
Division – Port Everglades
Phone: (954) 468-0143

Services:

- Environmental Permitting
- Benthic Resource Survey
- Coral Mitigation and Relocation
- Construction Observation
- Water Quality Analysis
- Sediment Quality Analysis
- Erosion Control Inspection
- Mitigation Permitting
- Mitigation Design
- Mitigation Monitoring

Project Duration: 2011-2024

Construction Cost: \$270,000,000.00



The Chappell Group Inc. (TCG) is the lead environmental consulting firm for the design, permitting and construction inspection for the Port Everglades Turning Notch project. The project is the excavation an existing 8-acre wetland under conservation easement that will allow the Port to create four new cargo berths in the Southport Turning Notch. On behalf of Broward County Seaport Construction & Planning Division, TCG prepared and processed the environmental resource applications for the proposed turning notch expansion and the wetland enhancement mitigation area to offset impacts associated with the proposed turning notch expansion.

TCG also conducted a benthic resource assessment in the turning notch and conducted the permitting and design for the proposed coral mitigation, relocation, and monitoring of over 800 corals.

TCG is provided construction inspection services during the construction of the turning notch including turbidity monitoring, water quality monitoring, sediment quality monitoring, protected species observation, environmental permit compliance, erosion control inspection, and plan review.

Pompano Beach, Florida

Task 1: Adaptation Planning
Task 2: Implementation Planning

Client

Village of Estero

Contract Value

\$425,000

Company Role

Prime

Current POCs

David Willems
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environmental planning, coastal engineering, hazard mitigation, and geospatial analysis to create an effective vulnerability assessment for the Village.

VILLAGE OF ESTERO VULNERABILITY ASSESSMENT & ADAPTATION PLAN

Project Description

The Village of Estero has received funding through a HUD Community Development Block Grant Disaster Recovery (CDBG-DR) Grant via Lee County to conduct a Comprehensive Vulnerability Assessment. This project aims to identify risks from storm surge flooding, rainfall flooding, sea level rise, drought, high wind, extreme heat, and wildfire conditions—helping the Village prepare for and reduce the impacts of these hazards.

APTIM is supporting this initiative bringing expertise in environmental planning, coastal engineering, hazard mitigation, and geospatial analysis to create an effective vulnerability assessment for the Village. The Village has received funding through a HUD Community Development Block Grant Disaster Recovery (CDBG-DR) Grant via Lee County to conduct a Comprehensive Vulnerability Assessment. This project aims to identify risks from storm surge flooding, rainfall flooding, sea level rise, drought, high wind, extreme heat, and wildfire conditions—helping the Village prepare for and reduce the impacts of these hazards.

APTIM is supporting this initiative bringing expertise in

OKALOOSA COUNTY VULNERABILITY ASSESSMENT & ADAPTATION PLAN

Project Description

APTIM, as a subconsultant to Jacobs, is working to produce a comprehensive vulnerability assessment and an adaptation plan consistent with the Florida Adaptation Planning Guidebook and Okaloosa County's direct needs.

APTIM's role is to collaborate closely with Jacobs, plan and facilitate public meetings, and assist with initial data requests. APTIM will also outline the data compiled and data gaps, create context maps, and provide comprehensive feedback, ensuring the quality and accuracy of the project's outcomes.

APTIM is working with Jacobs to determine the methodological approach for assessment, reviewing the list of assets and hazards, and providing feedback. APTIM also reviews context maps, provides input, attends necessary meetings (via Teams), and coordinates with Jacobs throughout the tasks. APTIM is also working with Jacobs on the draft adaptation plan report (including assistance with cost analysis, funding, etc.), collaborating to determine adaptation strategies for identified vulnerable assets and focus areas.

Task 1: Adaptation Planning
Task 2: Implementation Planning

Client

Okaloosa County

Contract Value

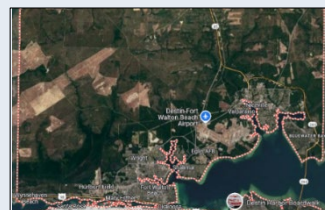
\$80,000

Company Role

Subconsultant to Jacobs

Current POCs

Tanya Gallagher
Jacobs
850 525 5941
tanya.gallagher@jacobs.com



Task 1: Adaptation Planning
Task 2: Implementation Planning

Client

Escambia County, FL

Contract Value

\$95,000

Company Role

Subconsultant to Jacobs

Current POCs

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Jacobs

850 525 5941

Tanya.gallagher@jacobs.com



ESCAMBIA COUNTY VULNERABILITY ASSESSMENT & ADAPTATION PLAN

Project Description

APTIM, in collaboration with Jacobs Engineering Group Inc., conducted a comprehensive Vulnerability Assessment for Escambia County, FL. The purpose of this project was to evaluate the vulnerabilities of the unincorporated areas of Escambia County to various climate change stressors, including sea level rise, storm surge, and flooding, pursuant to Section 380.093, Florida Statutes (F.S.). This assessment was part of the Resilient Florida Planning Grant initiative and aimed to inform future grant opportunities and resilience planning.

The project involved acquiring and analyzing critical data, including topographic and flood scenario data, ensuring compliance with GIS Data Standards. Detailed modeling assessed the impact of various flood scenarios on infrastructure and communities. Sensitivity analysis evaluated the impact on assets, considering flood severity and assigning risk levels. Public outreach included multiple meetings to gather input and present findings. The final report provided actionable recommendations for capital improvement projects and adaptation measures.

**Task 2: Implementation
Planning
Task 6: Energy Audits**

Client

City of Deerfield Beach

Contract Value

\$50,000

Company Role

Prime

Current POCs

Patrick Bardes

Coastal & Waterway Coordinator

City of Deerfield Beach

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Beach FL 33441

City of Deerfield Beach

954 250 4345

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MUNICIPAL OPERATIONS GREENHOUSE GAS (GHG) INVENTORY, SUSTAINABILITY ROADMAP AND IMPLEMENTATION SUPPORT

City of Deerfield Beach | 2023-2025

Project Overview

The City of Deerfield Beach engaged APTIM to develop and implement a municipal sustainability program focused on reducing greenhouse gas (GHG) emissions and enhancing operational resilience. APTIM developed a comprehensive Sustainability Roadmap that focused on three prioritized sectors: Building and Power Supply Sources, Transportation Strategies, and Waste Strategies. This ensured progress in energy efficiency, transportation management, and employee education.

Project Description

Phase 1 of the project focused on establishing a solid foundation for the City's sustainability efforts through the development of a Municipal Operations Greenhouse Gas Inventory for the baseline years 2017 and 2022 and the creation of a high-level Sustainability Roadmap and Work Plan. APTIM conducted extensive data analysis using globally recognized protocols (GPC 1.1, ICLEI), facilitated staff and public workshops, assessed peer city benchmarks, and identified targeted emissions reductions strategies and key performance indicators. The resulting Roadmap aligned Deerfield Beach's goals with achievable, measurable outcomes and a timeline for implementation.

Building on this foundation, **Phase 2** provided targeted implementation support for prioritized actions under the City's Sustainability Roadmap. APTIM supported strategy execution related to clean energy collaboration, employee commute behavior and transportation demand management, and staff education on sustainability practices. Tasks included policy analysis, regional coordination, survey design and deployment, and workshop facilitation, ensuring that Roadmap goals translated into tangible actions.

Project Successes

- **Developed the City's First GHG Inventory**
 - Completed GHG emissions analysis for municipal operations in 2017 and 2022 using international best practices.
- **Delivered a Strategic and Actionable Roadmap**
 - Created a Sustainability Roadmap outlining short-, mid-, and long-term emissions reduction targets and initiatives.
- **Strengthened Staff Capacity**
 - Conducted training sessions enabling City staff to maintain and update GHG inventories and track sustainability metrics internally.
- **Enabled Informed Decision-Making**
 - Provided evaluation and recommendations for joining programs like FPL SolarTogether and other state/federal energy rebate opportunities.
- **Advanced Transportation Demand Management**
 - Surveyed municipal employees and developed strategies to encourage ride-sharing and alternative commuting methods.
- **Facilitated Organizational Culture Shift**
 - Led interactive workshops on energy and water conservation, sustainability principles, and renewable energy adoption.

Task 2: Implementation Planning

Client

Atlantic Council's Adrienne Arsht-Rockefeller Foundation Resilience Center (AARFRC)

Contract Value

\$99,024

Company Role

Subcontractor to Jacobs

Current POCs

Julie Varghese

202 778 4952

JVarghese@atlanticcouncil.org



MIAMI DADE COUNTY RESILIENCE HUBS ENERGY VULNERABILITY ASSESSMENT

Project Description

The Atlantic Council's Adrienne Arsht-Rockefeller Foundation Resilience Center (AARFRC) was awarded \$1.110M in funding from the Florida Department of Economic Opportunity under the 'General Planning Support Program' to develop a master plan to implement three resilience hubs in Miami-Dade County, which include a public facility, infrastructure, site programming and operations, and mitigation planning activities.

APTIM assisted the AARFRC in developing a framework for a sustainable network of community-focused resilience hubs to support residents of Miami-Dade County during emergencies and in their day-to-day lives by providing a safe shelter and an energy resource in the areas with the highest need. APTIM performed a vulnerability assessment for electric substations, power plants, and power transmission lines. The condition of energy systems of individual census tracts across the county was rated as "good", "fair" or "poor" based on potential infrastructure exposure to hazards, energy burden, recent hardening or mitigation measures, and proximity to fast power recovery priority sites for post-outage service recovery.

MILITARY ADAPTATION PLANS

Project Description

The South Florida Military Installation Resilience Review (MIRR) supports the long-term resilience of the Department of Defense's significant military installations and the communities that support them. It included the Homestead Air Reserve Base (HARB), United States Army Garrison-Miami (USAG-Miami), US Naval Surface War Center South Florida Ocean Measurement Facility (SFOMF), and the United States Naval Air Station Key West (NASKW).

APTIM performed environmental (flood, wind, heat, lightning, fire), socioeconomic (affordability of housing), and future conditions vulnerability assessments for critical infrastructure, including water systems and energy infrastructure that could be mitigated through community investments and solutions. APTIM facilitated meetings/workshops to ground truth findings and develop adaptation strategies. The final phase of the project was a design-build of approved resilient infrastructure projects. The team identified recommendations and actions for DOD, stakeholders, and agencies to address responsibility of climate risks. Recommendations included timelines of impacts, identification of priorities, estimated costs, a monitoring plan, financing mechanisms to implement recommendations.

Task 2: Implementation Planning

Client

South Florida Regional Planning Council

Contract Value

\$184,000

Company Role

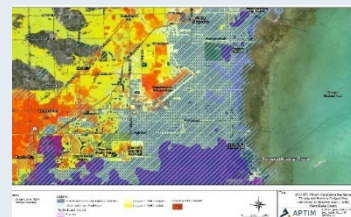
Subcontractor to Jacobs

Current POCs

Christina Miskis

954 924 3653

cmiskis@sfrpc.com



Task 2: Implementation Planning

Client

Rebuild by Design

Contract Value

In Kind

Company Role

Prime

Current POCs

Amy Chester

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THE REBUILD BY DESIGN ATLAS OF DISASTER

Project Description

The Rebuild by Design Atlas of Disaster served as a testament to APTIM's commitment to a comprehensive assessment approach and served as an example of APTIM's incorporation of social equity principles within vulnerability assessments. The Atlas of Disaster characterizes natural disasters as a product of a natural hazard and the combination of social, political, and economic stressors. The entire basis of the Atlas prioritizes making ROIs in the form of social benefits to communities needs a part of grant evaluations.

At over 650 pages with over 300 maps, the Atlas of Disaster provides a blueprint for equitable climate adaptation planning, offers new funding sources to invest in resilient infrastructure, and provides a framework for better decision-making for government, the private sector, philanthropy, and finance. The results represented in the Atlas exemplify how physical and social vulnerability indicators could inform where investments in adaptation infrastructure can yield high returns in social benefits to the most impacted communities.

ENTERPRISE PARTNERS AFFORDABLE HOUSING RESILIENCE TOOLS

Project Description

The Enterprise Portfolio Protects Tool helps owners, operators and developers of affordable housing understand which properties are at highest risk from flooding, fire, earthquakes and other natural hazards. This tool offers users the ability to identify highest risk properties and offers recommendations and resources to help minimize potential harm to your property or properties and keep residents' homes safe. APTIM partnered with Enterprise to develop a comprehensive hazard risk scoring methodology that fueled the Tool's outputs.

APTIM collected hazard data, reviewed available risk distributions, and normalized risk scores across eleven nationwide hazards, including heat waves, sea level rise, hurricanes, strong wind, and fire hazards. Available data for your location. The methodology served to amplify individual hazard risk scores in areas of high social vulnerability and decrease individual hazard risk scores in areas of low social vulnerability, as higher social vulnerability reduces the ability of individuals to confront and recover from stresses such as natural caused disasters, making them more at risk overall. Users of the Portfolio Protect Tool are able to search locations by address and download the location's full risk profile. Individual hazard scores and an overall risk score that encompassed all hazards are computed and provided.

Task 2: Implementation Planning

Client

Enterprise Community Partners, Inc.

Contract Value

\$42,000

Company Role

Prime

Current POCs

Shaun Donovan

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Task 5: Water Audits
Task 6: Energy Audits

Client

Confidential

Contract Value

Varied Per Location

Company Role

Prime

Current POCs

Confidential



CONFIDENTIAL CLIENT: NATIONAL PARKS ENERGY AND WATER AUDITS (NATIONWIDE)

Various Locations | 2019-Present

Project Overview

APTIM conducted multi-disciplinary audits across dozens of properties at National Park sites that included American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) energy audits, water audits and waste audits.

Project Description

Tasks included:

- ✓ Identified cost saving opportunities and provided comprehensive reports detailing all findings and recommendations
- ✓ Incorporated decarbonization strategies into educational training programs that engaged with the client and key stakeholders
- ✓ Aligned audit activities to client's sustainability goals and regulatory drivers impacting each property
- ✓ Developed an action plan for energy efficiency upgrades with a full cost-benefit analysis
- ✓ Conducted a comprehensive assessment of all utility bills to identify additional cost saving opportunities against service agreements
- ✓ Acted as liaison between client and utility service provider to identify utility incentive program opportunities and potential negotiation strategies

Task 5: Water Audits

Client

City of Chicago, Department of
Aviation

Contract Value

\$7,630,000

Company Role

Prime

Current POCs

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Environment
City of Chicago
Aviation Department
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SUSTAINABILITY CONSULTING SERVICES MIDWAY AND O'HARE INTERNATIONAL AIRPORTS

Chicago IL | 2014 - 2019

Project Overview

The Chicago Department of Aviation (CDA) awarded APTIM a contract to provide multi-disciplinary sustainability consulting services at O'Hare and Midway International

Airports. CDA, a forerunner in airport sustainability, has established high-level sustainability goals and specific targets for the O'Hare and Midway Airports. These include targets for reducing energy and water consumption, reducing carbon emissions, and maintaining sustainable construction activities and community efforts, and expanding the electrification of ground fleet equipment. APTIM is assisting CDA in defining and implementing projects to produce measurable results, identifying opportunities to pursue innovation and leadership in airport sustainability, and serving as technical experts—analyzing data from numerous sources and providing viable solutions to achieve CDA goals.

Project Description

APTIM supports CDA in many sustainability planning and implementation activities and manages day-to-day aspects of its sustainability program. APTIM coordinates with City of Chicago employees, several contractors, local utilities, and sub-contractors. Continuous feedback to the architectural and engineering (A/E) firms is required to ensure inclusion of energy efficiency measures, and communication with the owner's representative joint venture, has been important to verify the implementation of efficiency opportunities. Coordination with the electric and natural gas utilities has also proven helpful in designing an energy management report. To provide the best products for CDA, APTIM also coordinates with additional environmental contractors at the airport and the APTIM sub-contractors.

APTIM is responsible for developing efforts to better manage waste, reduce energy and water usage, and identify areas for integrating sustainability into other operational areas. Key activities include:

- ✓ Created GIS mapping of electric ground support, charging equipment, electric vehicle charging equipment, as well as all electrical, natural gas, and water meters to ensure appropriate billing and tracking of utilities
- ✓ Energy and water benchmarking all facilities operated by the City
- ✓ Develop a monthly energy, water, and waste dashboard that provides data by building and allows for monitoring of progress towards goals
- ✓ Identified efficiency opportunities and developed recommendations for improvement, including an operational change that reduced costs by \$420k per year
- ✓ Developed a demand response participation program for the PJM grid and successfully achieved goals during audit periods (CDA received payment of \$78k in first year of participating)
- ✓ Identified unmetered water concessions at O'Hare and implemented a policy to require sub-meters
- ✓ Secured energy efficiency incentive funding (\$2.3M) when available (the CDA has been excluded from the program at various times)
- ✓ Review all concession spaces for compliance with the Green Concessions Policy and provide for facilitation to achieve compliance with sustainability standards
- ✓ Participate as the coordinator for LEED® and ParksmartSM certification by successful LEED Silver® certification and Parksmart Silver certification of the O'Hare Multi-Modal Facility
- ✓ Provide engineering support on opportunities for reducing energy consumption in the central plant and terminals
- ✓ Engaged stakeholders (the airlines, other contractors and organizations) on energy reduction goals
- ✓ Explore how planned and potential efficiency projects could allow the airports to achieve the long-term energy reduction
- ✓ Conduct hundreds of energy and water assessments of locations throughout both airports. Identifying energy and water saving opportunities through the airport-wide sustainability program.

Task 6: Energy Audits

Client

State of Wisconsin

Contract Value

\$403,162,249

Company Role

Prime

Current POCs

Joe Pater, Director
Office of Energy Innovation
4822 Madison Yards Way
6th Floor
Madison, WI 53705.
608 513 9408
Joe.pater@wisconsin.gov

FOCUS ON ENERGY PROGRAM ADMINISTRATOR OF STATEWIDE ENERGY EFFICIENCY AND RENEWABLE ENERGY PROGRAM WISCONSIN

Project Description

APTIM has been the Administrator of the statewide energy efficiency and renewable energy program since 2011 under three renewed contracts. As Program Administrator, APTIM presides over budget management, energy savings achievement, and equity that meets the needs of over 100 participating utilities' customers. The program's success is meeting the needs of diverse stakeholders, including utility partners, implementation contractors, and trade allies. Focus on Energy has not just succeeded in achieving high levels of energy savings and exceptional customer satisfaction for Wisconsin ratepayers while under APTIM's program administration; over the last decade, it has:

- Promoted innovation across its portfolio of program offerings through inclusion of an Emerging Technologies program, pilot stage gate processes, and research programs
- Facilitated more than 100 technologies being added into the core portfolio
- Achieved the highest level of annual savings and cost effectiveness in the program's history, achieving energy savings of more than 8 billion kWh and 250 million therms.

ENTERGY NEW ORLEANS LLC SMART ENERGY EFFICIENCY PROGRAMS: THIRD PART ADMINISTRATOR (TPA) LOUISIANA

Project Description

APTIM manages all subcontractors, vendors, and contracted trade allies (TA) for direct install. This diverse group includes program implementation subcontractors, as well as vendors involved in engineering analyses, low-income community outreach, TA training, and providing supplies for energy efficiency kits. Accomplishments include:

- Transitioned smoothly mid-year from previous TPA
- Secured contracts with 15 new entities
- Achieving required levels of savings and cost effectiveness
- Added diversity goals and broader participation in underserved markets
- Set an annual 25% small. disadvantaged direct spend goal

Task 6: Energy Audits

Client

Entergy

Contract Value

\$19,339,073

Company Role

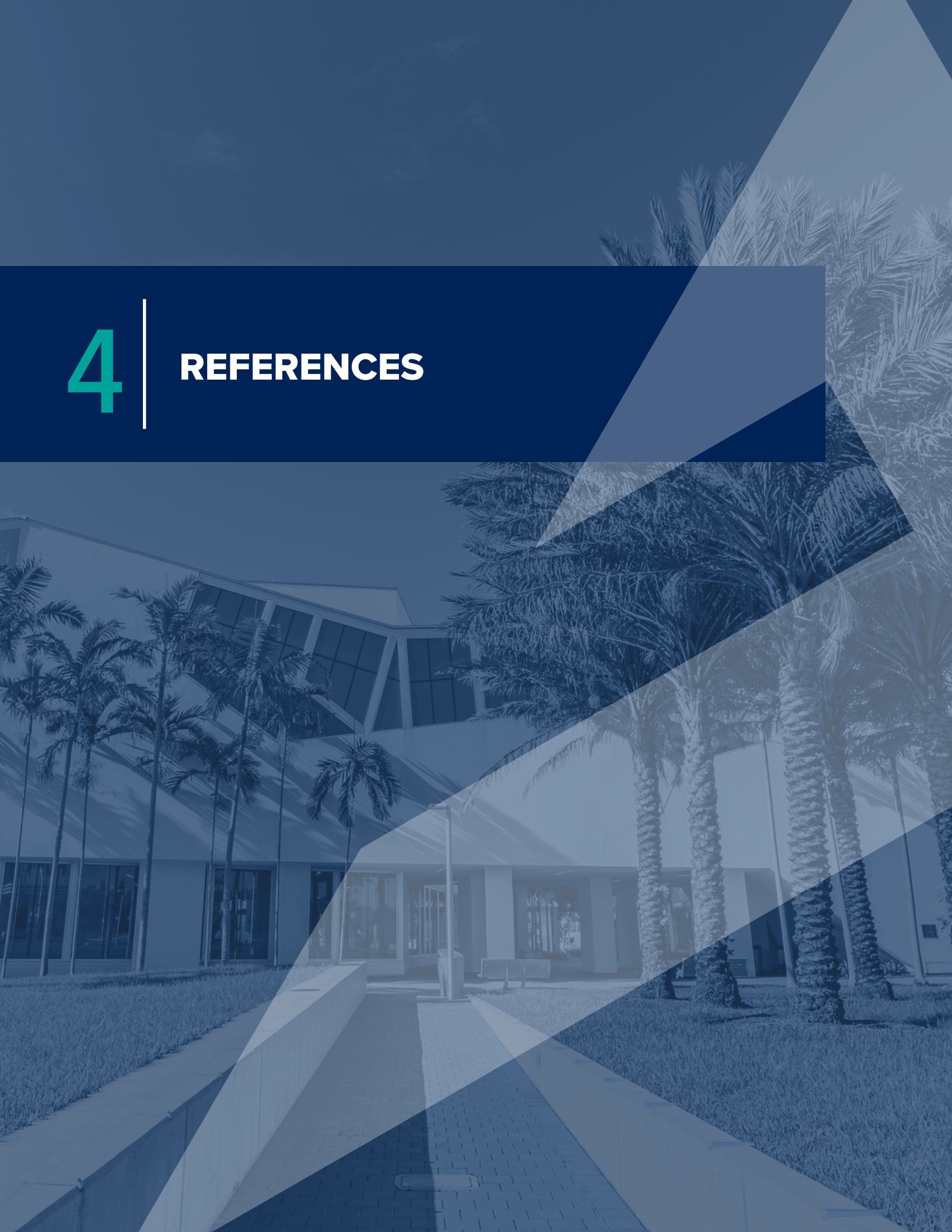
Prime

Current POCs

Derek Mills
DSM Program Manager
Entergy New Orleans
504 670 3527
dmills3@entergy.com

4

REFERENCES



4. REFERENCES



Chicago Department of Aviation

Aaron Frame
Deputy Commissioner of Environment
City of Chicago - Aviation Department
10510 Zemke Boulevard
Chicago, IL 60666
773 686 3563
aaron.frame@cityofchicago.org

Project/Scope: APTIM was awarded a contract to provide multi-disciplinary sustainability consulting services at O'Hare and Midway International Airports. The Chicago Department of Aviation, a forerunner in airport sustainability, has established high-level sustainability goals and specific targets for the O'Hare and Midway Airports. These include targets for reductions in energy consumption by 15% from base-year levels, diverting 50% of airport waste from landfills, and maintaining a ground fleet of at least 20% low emissions vehicles by 2015 year-end.

Cost: \$2,750,000

Broward County, Biological Monitoring

Stephanie Roche
954.519.1231

Project/Scope: Since 1997, APTIM, in conjunction with our Joint Venture partner has represented Broward County for the engineering and management of its reimbursable Federal Shore Protection Project, including Segments II and III, which total approximately 19 miles of shoreline. APTIM assisted with the construction administration and environmental monitoring of the first phase of the mitigation reef and Phase 2 was designed in 2024 by the JV and will be bid by the County in the fall of 2025. APTIM is currently conducting the permit required post-construction beach profile monitoring surveys and assisting in permit required long term environmental monitoring of the nearshore hardbottoms.

Cost: Approximately \$7M overall

The Chappell Group

Mr. John Foglesong
Division Director
Seaport Engineering & Construction Division – Port Everglades
954 468 0143

Project/Scope:

The Chappell Group Inc. (TCG) is the lead environmental consulting firm for the design, permitting and construction inspection for the Port Everglades Turning Notch project. The project is the excavation an existing 8-acre wetland under conservation easement that will allow the Port to create four new cargo berths in the Southport Turning Notch. TCG also conducted a benthic resource assessment in the turning notch and conducted the permitting and design for the proposed coral mitigation, relocation, and monitoring of over 800 corals.

Cost: \$270,000,000.00

City of Deerfield Beach

Patrick Bardes
Coastal and Waterway Coordinator
954 250 4345
pbardes@dfb.city

Project/Scope: The City of Deerfield Beach engaged APTIM to develop and implement a municipal sustainability program focused on reducing greenhouse gas (GHG) emissions and enhancing operational resilience. APTIM developed a comprehensive Sustainability Roadmap that focused on three prioritized sectors: Building and Power Supply Sources, Transportation Strategies, and Waste Strategies. This ensured progress in energy efficiency, transportation management, and employee education.

Cost: \$50,000

City of West Miami

Djenepha 'Jenny' Polynice-Hall
City Manager -Grants Division
786 991 9068
Dhall@cityofwestmiami.org

Project/Scope: Vulnerability Assessment to identify and evaluate vulnerabilities related to climate change stressors such as sea level rise, precipitation events, and groundwater table changes.

Cost: \$55,000

City of Delray Beach

Juan Moises Cuesta, P.E. Stormwater Engineer
561 243 7220
cuestaJ@mydelraybeach.com

Project/Scope: Citywide Intracoastal Waterway seawall and stormwater outfall inspection to quantify the vulnerability of private and public seawalls and the public stormwater system to sea level rise and recurring storm effects.

Cost: VA: \$198,000 / AP: \$100,000



5

PROJECT TEAM FORM

5. PROJECT TEAM FORM



PROJECT TEAM

COMPLETE THE PROJECT TEAM FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE THE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN THEIR PROPOSAL, WHICH MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB IN THE EBID SYSTEM.

RFQ # 25-037 Name: Aptim Environmental & Infrastructure, LLC

Federal I.D.# 77-0589932

PRIME

Role	Name of Individual Assigned to Project	Number of Years' Experience	Education, Degrees
Principal-In-Charge	<u>Samantha Danchuk</u>	<u>18</u>	<u>PhD, PE</u>
Project Manager	<u>Samantha Danchuk</u>	<u>18</u>	<u>PhD, Civil Engineering, PE</u>
Asst. Project Manager	<u>Cigdem Ozkan</u>	<u>10</u>	<u>PhD, Civil and Environmental Engineering</u>
Other Key Member	<u>John Lerczak</u>	<u>8</u>	<u>MS, Environmental Mgmt. & Sustainability</u>
Other Key Member	<u>Warren Graham</u>	<u>18</u>	<u>MBA</u>

SUB-CONSULTANT

Role	Company/Firm Name and Address of Office Handling the Project	Name of Individual Assigned to the Project
(specify)	<u>The Chappel Group</u>	<u>Tyler Chappel, ISA, CA</u>
(specify)	<u>714 E. McNab Road</u>	<u>Gabe Detina</u>
(specify)	<u>Pompano Beach, FL</u>	
(specify)	<u>33060</u>	
(specify)		
(specify)		
Other Key Member		
Other Key Member		
Other Key Member		

6

ORGANIZATIONAL CHART



6. ORGANIZATIONAL CHART



6. ORGANIZATIONAL CHART

Our proposed team is fully available and committed to this project from start to finish. The APTIM Team understands the importance of this project to the City and is ready to dedicate the necessary time and resources to ensure its successful completion.

Our Organization Chart (**Figure 6-1**) presents our proposed personnel. This team possesses diverse skills, including knowledge of and experience with local climate modeling, geographic information systems (GIS), risk assessment methodologies, local environmental policy insights, and public engagement. Full resumes of each team member follow the organization chart.

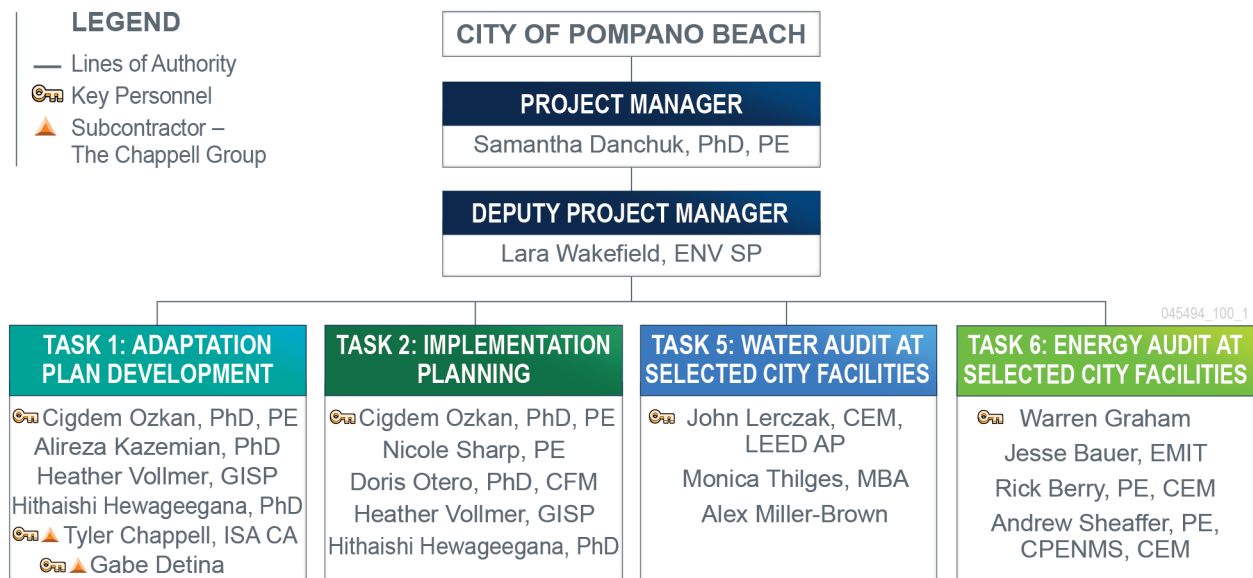


Figure 6-1. Organization Chart

7

STATEMENT OF SKILLS AND EXPERIENCE OF PROJECT TEAM



7. SKILLS AND EXPERIENCE OF PROJECT TEAM



Aptim Environmental & Infrastructure, LLC (APTIM) is a recognized leader in **environment, resilience, and sustainability services** to federal, state, and local government customers, and the private sector. Whether it is safeguarding and maintaining critical infrastructure, decarbonizing utility programs, or helping clients design and implement meaningful environmental, social and governance (ESG) initiatives, APTIM strives to deliver new, innovative, and adaptive solutions for our customers each day. Our goal is to assist clients in being responsible stewards of their resources and empowering them to realize meaningful environmental impacts, all while helping them meet their organizational goals and objectives. Our proven success in helping clients achieve their environmental and organizational goals earned APTIM national recognition as the 7th-ranked environmental management firm in 2024 by Engineering News-Record (ENR).

Prioritizing Sustainability at APTIM

In addition to assisting clients in their sustainability journey, APTIM takes pride in continuously improving our own journey. Our mission is to accelerate the transition towards a clean and efficient energy economy, build a sustainable future for our communities and natural world, and create an inclusive and equitable environment that celebrates the diversity of our teammates.



Figure 7-1. ESG Report

APTIM

At A Glance

APTIM
Environmental & Infrastructure, LLC (APTIM), a Louisiana Limited Liability Company Incorporated on April 23, 2002

3,500+
Employees Worldwide

50 Offices

SERVICES

Critical Infrastructure
Technical and Data Solutions
Program Management
Environmental Services
Resilience
Sustainability and Emergency Solutions for:

- Government Agencies
- Commercial and Industrial
- Energy Markets

EXPERTISE

- Emergency Response
- Disaster Recovery
- Environmental Assessment
- Grant Management
- Design and Construction related Services
- Construction Management

WEBSITE

www.APTIM.com

041284_101_1

2024

ENR

TOP 10

ENVIRONMENTAL FIRMS BY
MARKET SEGMENT
ENVIRONMENTAL
MANAGEMENT

#7

Sustainability is at the core of our company and commitment to our stakeholders, and we are driven by transparency, action, cooperation, and progress.

We have an internal advisory council for ESG (**Figure 7-1**), which includes cross-company representatives with the CEO as the executive sponsor. Also, to help ensure that we are working transparently and in collaboration with the larger global community, we are members of the United Nations Global Compact. This is an important step toward honoring our commitment to building resilient and sustainable communities and making APTIM more sustainable by measuring and reducing our own environmental impacts. Furthermore, we have set a target of having net zero greenhouse gas emissions by 2040 and are signatories of The Climate Pledge. This target has been validated by the Science Based Targets initiative (SBTi), aligning APTIM with the Paris Agreement, which has the objective of limiting global warming to 1.5° C above pre-industrial levels. Lastly, we publish our climate transition plan and leverage the Global Reporting Initiative (GRI) and IFRS ISSB frameworks to ensure that our ESG reporting aligns with best practices, and we disclose and monitor our performance through CDP and EcoVadis.

Adaptation Team Experience

APTIM's local resilience team has recently completed **17 adaptation plans** across thirteen counties. Leveraging these and other planning efforts, APTIM has supported the implementation of over **\$30 billion in state and federal grant-funded projects** that help communities recover from, mitigate, and adapt to flooding, severe storms, and wildfires.

Our South Florida offices have cultivated a consortium of excellence dedicated to delivering high-impact vulnerability assessments and adaptation plans in alignment with Resilient Florida grant program guidance. Beyond meeting compliance standards, APTIM consistently exceeds requirements by integrating advanced resilience metrics and cross-sectoral considerations. For example, as consultant to the Resilient Florida program, APTIM recently updated the state's foundational resource for climate resilience planning, the Florida Adaptation Planning Guidebook. APTIM led stakeholder engagement to gather input to improve the utility of the reference and hosted workshops to educate municipalities and owners on how to use it. From this project, APTIM was honored with a CCBJ Business Achievement Award (**Figure 7-2**) for advancing best practices, investment, projects and technology innovation.



Figure 7-2. CCBJ Business Achievement Award

The APTIM team offers a comprehensive understanding of resilience planning best practices, informed by regional and national ranking criteria, current policy and research, and practical implementation pathways. Our multidisciplinary climate experts specialize in local hazard modeling, scenario planning using future projections and change factors, and translation of complex findings into actionable strategies. We are also supported by a robust network of collaborators, ranging from grassroots organizations to technical partners at the South Florida Water Management District, the U.S. Army Corps of Engineers (USACE), and the Florida Department of Transportation (FDOT). This breadth of capability and coordination ensures we deliver results that are locally grounded, technically sound, and implementation ready.

Energy & Water Audit Team Experience

APTIM has a long-standing track record of delivering high-impact energy and water audit services across the country, helping clients save more than \$7 billion in energy costs through comprehensive efficiency strategies. We bring deep expertise in managing statewide programs involving complex datasets and diverse stakeholder groups, as demonstrated by our leadership in the Entergy Solutions and Focus on Energy programs. APTIM has received repeated ENERGY STAR honors (Figure 7-3), including “Partner of the Year – Sustained Excellence. Our success in administering energy and water efficiency initiatives, conducting ASHRAE-level audits, and delivering data-driven recommendations is matched by our award-winning outreach campaigns and client-focused service model. Whether supporting large-scale utilities, municipalities, or individual facilities, APTIM delivers results that will directly assist the City of Pompano Beach in reducing operating costs, optimizing performance, and advancing long-term sustainability goals.



Figure 7-3 ENERGY STAR honors from Entergy

SUBCONSULTANT TEAM

To strengthen local engagement and enhance community relevance in the execution of the City’s sustainability projects, APTIM has partnered with **The Chappell Group, Inc. (TCG)**.



TCG was founded in 2005 and provides environmental consulting services to both the public and private sectors serving the South Florida area and the Caribbean. **TCG is headquartered in Pompano Beach.**

Environmental Permitting

For over 20 years, TCG has provided environmental permitting services for various projects, project phases, and permit compliance. TCG coordinates with various local, State, and Federal agencies during the pre-application process, the permitting processes, and the compliance phase. We have experience with agencies such as the United States Army Corps of Engineers, South Florida Water Management District, Florida Department of Environmental Protection, Florida Game and Freshwater Fish Commission, and United States Fish and Wildlife Service.

Coastal Engineering & Design

TCG specializes in the structural design and permitting of mid to large-scale commercial and residential marinas, single-family docks, seawalls, breakwaters, wave attenuation devices, and all types of dredging projects. TCG has provided numerous clients with value engineering based on the needs of the client and the limitations of the project parameters. TCG is an industry leader in the facilitation of permitting of docks and marinas throughout the State of Florida and is capable of providing all services required by regulatory agencies for approval. TCG provides our clients with a complete project management style that includes design, benthic and analytical surveys, permitting, construction inspection, and final completion certifications for coastal and marine projects.



Wetlands Delineation, Permitting, Mitigation, and Monitoring

Various Federal, State, and local agencies have requirements for the protection of wetlands, wetland permitting, mitigation design, and monitoring. TCG conducts jurisdictional wetland determinations and

delineations; wetland permitting; wetland restoration, creation, or enhancement projects in association with mitigation sites; and monitoring of wetland mitigation sites to meet wetland permit success criteria. TCG identifies and provides mortality assessment/counts of plants, oversight of maintenance and exotic removal, and assessment of general health and progress of sites.

Typical wetland assessments consist of a field assessment using methods based on the 1994 Delineation of the Landward Extent of Wetlands and Surface Waters as described in FAC 62-340 and the 2016 Uniform Mitigation Assessment Method as described in the FAC 62-345 along with research utilizing reviews of historic aerial photography, soil and topographic surveys, and wetland inventory maps.



Project Manager Skillset

With the vision and experience to lead this project for the City, **Samantha Danchuk, PhD, PE**, will serve as Project Manager and will oversee and spearhead all activities. She is one of the foremost technical and policy experts on resiliency in Florida. Dr. Danchuk has 19 years of program/project management and resilient engineering experience, including seven years as Broward County's Assistant Chief Resilience Officer and Capital Program Administrator and 10 years as a coastal resilience engineer with projects in nine states. **She has experience in risk and vulnerability assessments, coastal hazard modeling, strategic flood and energy resilience policy, and futureproofed infrastructure engineering** serving to support environmental sustainability and redevelopment of vulnerable regions. She was the technical advisor for the Southeast Florida Regional Climate Change Compact and is a **NIMS and TEEX trained THIRA and critical infrastructure risk specialist**.

Dr. Danchuk led the development of two regional sea level rise projections, multiple climate adaptation plans, renewable energy action plan, heat and flood risk assessments, execution of two federal shore protection projects and implementation of national award-winning future conditions policy for redeveloping with sea level and groundwater rise.

The following key personnel was chosen to support this project for the City's sustainability initiatives because of its expertise and alignment with the City's vision for a more resilient, environmentally responsible future. Our team brings together seasoned professionals with experience in sustainability planning, climate adaptation, coastal resilience, and environmental engineering. Each team member has demonstrated success in delivering sustainability projects across Florida and the broader Southeast region.

Below is an overview of our proposed key personnel and their respective roles.

Cigdem Ozkan, PhD, PE, WEDG | Resilience Engineer

- ▶ Ten years of experience investigating innovative solutions to climate risks and threats
- ▶ Experience in collecting, analyzing, and interpreting data, estimating risks, and conceptualizing mitigation strategies
- ▶ Experience in stormwater modeling, flood and erosion control, and coastal modeling
- ▶ Experience with community outreach and engagement strategies

Lara Wakefield, ENV SP | Risk Management

- ▶ Holds a Master of Science in Risk Analysis with experience developing custom frameworks and scoring systems to evaluate hazard exposure, vulnerability, and adaptive capacity
- ▶ Expertise in climate hazard analyses such as flooding, extreme heat, and sea level rise to support infrastructure planning and risk-informed decision-making
- ▶ Experience translating complex risk data into visual tools, scoring matrices, and communication materials to guide resilience strategies and stakeholder engagement

Alireza Kazemian, PhD | Coastal Resilience Specialist

- ▶ Eight years of experience developing resilient solutions for structures and critical infrastructure systems exposed to natural hazards
- ▶ Expertise in probabilistic risk assessment, including flood and wind hazard modeling, and vulnerability assessment
- ▶ Experienced in integrating engineering judgment with data-driven analysis to support mitigation strategies and adaptation planning

- ▶ Strong background in interdisciplinary collaboration and stakeholder engagement, including public-sector resilience initiatives and technical outreach

Hithaishi Hewageegana, PhD | Modeler

- ▶ Senior numerical modeler focused on hydrodynamics and morphodynamics in nearshore environments
- ▶ Experience with various flooding and coastal modeling projects from sediment transport to water quality collecting, from idealized conditions to multiyear hindcasts

Heather Vollmer, GISP | GIS Specialist

- ▶ 25 years of GIS experience including maintenance, management, creation, quality control, spatial analysis of sediment resources, remote sensing, ground truthing and GPS field experience
- ▶ Creation of a geodatabase of sediment resources for the USACE Inventory of Regional Sediment Management

Doris Otero, PhD, CFM | Community Planning & Outreach

- ▶ Certified floodplain manager and experienced groundwater rise and saltwater intrusion modeler dedicated to assisting local governments plan shoreline and drainage projects to prevent coastal and inland flooding
- ▶ 12 years of experience managing diverse teams in coastal and beach nourishment projects throughout Florida
- ▶ Experience with community outreach and engagement strategies

John Lerczak, CEM, LEED AP | Sustainability - Water and Energy Audit

- ▶ 8 years of experience managing complex sustainability project, assessing environmental impacts, improving operational efficiency and delivering comprehensive reports
- ▶ Experienced with leading teams of multi-disciplinary sustainability professionals to manage energy and water audits for various client types across the country.
- ▶ Experienced with developing and evaluating frameworks, plans, and policies to implement energy and water efficiency upgrades.

Warren Graham | Sustainability - Water and Energy Audit

- ▶ 18 years providing multi-disciplinary energy and water audits, including evaluation of HVAC, refrigeration, lighting, insulation, building materials, and process equipment
- ▶ Experienced engineer providing on-site assessments, feasibility analysis, cost-effective analysis, utility rebate procurement, renewable energy assessments, and varied commissioning efforts
- ▶ Universal-certified HVACR technician, commissioning agent, and utility resource sustainability specialist.

Tyler Chappell, ISA CA | Local Liaison, Environmental Assessments

- ▶ Over 25 years of experience in environmental permitting, wetland delineations, species surveys, and mitigation planning for coastal and upland development projects
- ▶ Specialized in marina and shoreline permitting, seagrass assessments, and construction compliance monitoring, including turbidity and erosion control inspections
- ▶ Strong knowledge of Florida's regulatory landscape with a proven track record supporting complex infrastructure and stormwater projects across South Florida

The background of the page features a photograph of a modern, multi-story building with large glass windows and a flat roof. Several tall palm trees are planted in front of the building. A paved walkway leads towards the entrance. The entire image is overlaid with a semi-transparent blue geometric pattern consisting of large triangles and polygons. A dark blue horizontal band is positioned across the upper portion of the image, containing the page number and title.

8

RESUMES OF KEY PERSONNEL

8. RESUMES OF KEY PERSONNEL



Resumes for APTIM's and our subconsultants key personnel begin on the following page.

8. Resumes of Key Personnel



20 YEARS
EXPERIENCE

Education

- PhD Civil Engineering, Louisiana State University
- MS Environmental Engineering, University of California, Berkeley
- BS Environmental and Civil Engineering, Florida State University

Registrations/Certifications

- Professional Engineer, Civil, Florida
- LEED-Green Associate

Training

- Critical Infrastructure Protection, Texas A&M Engineering
- Infrastructure Disaster Management

Skills & Experience

- Project Management
- Vulnerability/Risk Assessment
- Community Engagement

SAMANTHA DANCHUK, PHD, PE

Climate And Coastal Resilience Lead | APTIM

Professional Summary

Samantha Danchuk, PhD, PE, is the Program Manager for APTIM's Florida Resiliency Program. Dr. Danchuk has extensive experience in vulnerability and risk assessments, coastal hazard modeling, strategic flood and energy resilience policy, and futureproofed infrastructure engineering serving to support environmental sustainability and redevelopment of vulnerable regions. She has been at the forefront in resiliency efforts in Florida. She also has a strong reputation as a trusted source amongst regional and **national climate adaptation networks** and credited as the **technical lead for nationally recognized policy and project case studies**.

Relevant Experience

Aptim Environmental & Infrastructure, LLC, Climate and Coastal Resilience Lead; June 2021–Present **Project Manager; Captiva Island Flood Risk Vulnerability Assessment, FL**

Project manager and resilience engineer responsible for coastal hazard vulnerability assessment, GIS risk mapping, resilient capital improvement plan and community adaptation strategy. Supported presentations to officials and special committee on sea level rise. Developed materials for public education on risk and coastal processes.

Project Manager; Florida Military Installation Resilience Reviews (MIRR), Vulnerability Assessment and Data Collection, FL

Project Manager for environmental, socioeconomic, and future conditions vulnerability assessment of the ability of the military to carry out its missions on Homestead Air Force Reserve Base, SOUTHCOM, Naval Surface Warfare Center and Naval Air Station Key West that could

be mitigated through community investments and solutions. Interviewed focus groups of data owners including utilities, local governments, and infrastructure owners to identify vulnerabilities. Supported organization and presentations for workshops to identify critical missions, project objectives and potential projects.

Project Manager; City of Delray Beach, Vulnerability Assessment & Adaptation Plan, Delray Beach, FL

Resilient Florida funded adaptation plan to address flooding across the city, both inland and along the intracoastal. Project included interviews to assess adaptive capacity, public outreach and staff engagement to inform adaptation strategies and plan development.

Project Manager; AARFRC Atlantic Council–Miami Dade County Resiliency Hub and Vulnerability Assessment, FL

Project Manager for countywide risk assessment of electrical infrastructure and social vulnerabilities to support siting of resilience hub prototypes. Developed new methodology for weighting energy burden, local system reliability and infrastructure risk by census tract. Developed criteria and questions for stakeholder outreach and interviewed residents.

Project Manager; Longboat Key Sea Level Rise Vulnerability Assessment Adaptation Plan, FL

Project Manager and Resilience Engineer responsible for coastal hazard vulnerability assessment, risk mapping, resilient capital improvement plan and community adaptation strategy.

Project Manager; Resilient Florida Planning Grant Tasks & Updates to the Florida Adaptation Planning Guidebook, FL

State guidebook on adaptation planning and development of performance metrics and technical standards for projects funded by state resilience grants. Included engaging stakeholders statewide to incorporate feedback on best practices, legislative compliance review and guidebook development.

Project Manager; Escambia County Vulnerability Assessment

APTIM, in collaboration with Jacobs, is performing exposure and sensitivity analysis to assess vulnerabilities for critical assets and resources. Project was Resilient Florida grant funded and in compliance with guidance. Geospatial modeling, hazard analysis, risk calculations and mapping was included.

Broward County, Associate Chief Resilience Officer, March 2021–June 2021; Assistant Director, June 2014–March 2021

Broward County Land Use Policy for Future Conditions

Co-developer of policies for minimum tidal flood barrier/ seawall elevation, future groundwater table drainage design elevation, penny transportation projects surtax resilience criteria, adaptation action areas of regional significance and land use resilience criteria for densified redevelopment. A series of workshops were facilitated to gain consensus for policies and numerous presentations were made to Broward County Commission and Planning Council for policy approval.

Broward County Critical Infrastructure Assessment and Countywide Risk Assessment and Resilience Plan

Former Broward County Assistant Chief Resilience Officer, Resilience Capital Program Administrator. Project manager. Led initial vulnerability assessment of county assets and resources to future flood risk. Developed scope for \$3M assessment and resilience plan project with innovative analysis of multi-sector risk.

Energy Resilience Program

Managed the Broward County Energy and Sustainability Program, leading the County's evolution towards a climate resilience community by coordinating more than 6 MW of solar projects at 15 sites, subscribing to 132 MW of solar energy offset and administering the Property Assessed Clean Energy and solar co-op programs. Advocated for better implementation of the Florida Building Energy Code as member of the Broward Board of Rules and Appeals, Energy Conservation.



5 YEARS
EXPERIENCE

Education

- MS Risk Analysis, Kings College, London, UK
- BS International Relations, Durham University, Durham, UK

Registrations/Certifications

- Envision Sustainability Professional

Skills & Experience

- Storm Damage Assessments
- Economic Evaluations
- Climate Resilience Studies

LARA WAKEFIELD, ENV SP

DEPUTY PROJECT MANAGER

Risk Management Project Manager | APTIM

Professional Summary

Ms. Wakefield is a skilled professional with expertise in climate resilience, environmental planning, and infrastructure risk assessment. She has contributed to projects across public, nonprofit, and research sectors, integrating hazard, vulnerability, and exposure data into strategies for adaptation, planning, and decision-making. Her experience includes managing a countywide stormwater master plan and contributing to federally funded vulnerability assessments addressing sea level rise, extreme heat, and flooding, with work spanning government, academia, and international organizations.

Relevant Experience

Aptim Environmental & Infrastructure, LLC, Risk Management; May 2025–Present

Risk Management Specialist; Village of Estero Comprehensive Vulnerability Assessment, Estero, FL

Supported the development of a comprehensive vulnerability assessment for the Village of Estero, evaluating the exposure and risk of community assets under multiple sea level rise and flood scenarios. Assisted with public outreach efforts and preparation of summary

memos communicating key findings and recommendations.

Risk Management Project Manager; Deerfield Beach Sustainability Roadmap Implementation Support, FL

Supported implementation of key strategies from the City of Deerfield Beach's 2024 Sustainability Roadmap, aimed at enhancing municipal sustainability and resilience. Led technical analysis and stakeholder coordination for initiatives within the Building and Transportation focus areas. Analyzed employee commute survey data to inform Transportation Demand Management strategies. Developed educational materials and facilitated staff workshops on energy efficiency, water conservation, and renewable energy, supporting internal capacity building and behavioral change. Prepared technical memoranda summarizing key findings and actionable recommendations.

Risk Management Project Manager; Town of Longboat Key Adaptation Plan Update, FL

Provided technical assistance to advance the implementation of prioritized adaptation strategies for the Town of Longboat Key. Analyzed geospatial data to assess the impact of new policy measures and developed recommendations to support compliance monitoring and tracking.

Pasco County Public Works Environmental Division, New Port Richey, FL, November 2023 - April 2025

Planner II-Resiliency

Integrated resilience planning principles into stormwater management and developed risk assessment frameworks using custom matrices. Managed the Stormwater Management Master Plan Update and supported the Resilient Pasco Strategic Action Plan. Coordinated across departments and external consultants to align planning activities with county resilience goals. Prepared public-facing reports, facilitated stakeholder meetings, and produced supporting materials using GIS, Adobe Suite, and Microsoft 365. Recent assignments have included Stormwater Management Master Plan Update; Resilient Pasco Strategic Action Plan.

Resilience and Vulnerability Assessment Specialist

Supported countywide vulnerability assessments under the Resilient Pasco grant initiative, funded by the Florida Department of Economic Opportunity and U.S. Department of Housing and Urban Development. Collaborated with departments and consultants to evaluate risks to County-owned facilities and infrastructure. Assisted in strategic planning related to climate change, flooding, and extreme heat. Recent assignments have included: Resilient Pasco Vulnerability Assessment

World Nuclear Association, London, UK, March 2021 - April 2021

Intern

Conducted risk and hazard analyses in support of international energy policy discussions. Developed a white paper on the role of low-carbon electricity in achieving the United Nations Sustainable Development Goals. Conducted literature reviews and assessed public perceptions and historical trends related to nuclear power deployment. Recent assignments have included: Low-carbon electricity access and energy risk policy brief. **Vulnerability Assessment**

Department for Business, Energy, and Industrial Strategy (UK Government), London, UK, January 2021 - April 2021

Researcher

Performed literature reviews and secondary data analysis focused on trends in the circular economy and their implications for product safety and consumer behavior. Supported internal reporting and knowledge development on reuse, recycling, and repair frameworks for sustainable consumption. Recent assignments have included: Circular economy policy research report. **Vulnerability Assessment**

Deloitte CBC, Hamilton, Bermuda, June 2019 - August 2019

Intern

Developed a sustainability initiative for inventory management and supported internal risk advisory efforts. Led coordination for the annual student networking event. Conducted political and personal risk research to inform business development strategy. Recent assignments have included: Internal advisory program development and student engagement event.



10 YEARS
EXPERIENCE

Education

- PhD, Civil and Environmental Engineering, University of Central Florida
- MS, Civil and Environmental Engineering, University of Central Florida
- BS, Civil Engineering, Middle East Technical University

Registrations/Certifications

- Professional Engineer, Civil, Florida
- Waterfront Edge Design Guidelines (WEDG) Associate

Training

StormWise, Online, 2022

Skills & Experience

- Vulnerability Assessment
- Risk Assessment
- Adaptation & Implementation Planning
- Data Analysis
- FEMA Coastal Flooding

CIGDEM OZKAN, PHD, PE, WEDG

Resilience Project Manager, Climate and Coastal Resilience Engineer | APTIM

Professional Summary

Cigdem Ozkan, PhD, PE has ten years of experience investigating innovative solutions to resiliency problems and energy demands through an environmentalist approach. Ms. Ozkan has proven expertise in **climate risk assessment, hydrodynamic and stormwater modeling, and emergent technology adoption** to enhance decision-making in climate resilience and environmental equity. She is skilled in leading **stakeholder engagement, and strategic planning**, with a track record of integrating effective solutions into risk mitigation frameworks. She is adept at developing **data-driven roadmaps, performance metrics, and regulatory compliance strategies** to support infrastructure sustainability and long-term climate resilience. She integrates nature-based solutions with engineered infrastructures to resolve complex environmental challenges.

Relevant Experience

Aptim Environmental & Infrastructure, LLC |

Resilience Project Manager | January 2023–Present

Resilience Engineer; Resilient Florida Adaptation Planning Guidebook and Performance Metrics, FL

Led the efforts to update the Florida Department of Environmental Protection (FDEP) *Florida Adaptation Planning Guidebook* and development of *Resilient Florida Planning Grant Tasks*. Included coordination with the client, project management for timely deliverables, and organizing and hosting a public workshop with over 300 attendees. Contributions involved writing content on compound flooding, adaptive capacity, and implementation planning chapters of the State's updated Adaptation Planning Guidebook .and updating outdated references

with current resources and best practices.

Climate and Coastal Resilience Engineer; Captiva Island Bayside Adaptation Plan, FL

Led the Engineering Report and Public-Private Implementation Analysis of the Bayside Adaptation Plan which is a comprehensive initiative aimed at enhancing the resilience of Captiva Island's bayside shoreline. The project addressed climate change challenges, rising sea levels, and increasing storm intensity, which threaten the island's ecological and infrastructural integrity. The adaptation plan proposed both short-term and long-term adaptive strategies, developing engineering plans, and engaging private property owners to refine the implementation of strategies.

Technical Climate and Resilience Expert; Longboat Key Sea Level Rise Vulnerability Assessment and Adaptation Plan, FL

Played a key role in identifying hazard scenarios and running the vulnerability analysis and quality controlling the result. Developed an adaptation plan to address sea level rise and recurring flooding for the Town of Longboat Key. The Plan included capability assessments and adaptation strategies such as engineering and construction of public works, policy, and Town ordinance changes.

Technical Climate Expert; Sustainability Plan and GHG Inventory, City of Deerfield Beach, FL

Conducted and prepared a Municipal Operations Greenhouse Gas Inventory Report and Sustainability Roadmap and Work Plan Roadmap. Contributed to creation of an online Power BI dashboard to present the results of GHG Inventory. Assisted the City with prioritizing actions to support the City's sustainability program and setting GHG reduction targets.

Project Manager; Town of Belleair Bluff Restoration and Erosion Abatement, FL

Led the planning and execution of a large-scale environmental restoration project, overseeing project scope development, stakeholder coordination, and schedule management. Directed field data collection, erosion analysis, and water quality assessments to identify sustainable mitigation strategies. Managed project budgeting, reporting, and compliance with regulatory agencies, ensuring alignment with Town of Belleair and SWFWMD objectives. Facilitated interdisciplinary collaboration to develop conceptual design alternatives for bluff stabilization, integrating engineering, environmental, and cost feasibility analyses.

Resilience Engineer; Escambia County Vulnerability Assessment and Adaptation Plan

Led a comprehensive vulnerability assessment analyzing the impacts of 20 flood scenarios on over one million assets across Escambia County, including both incorporated and unincorporated areas. Identified priority assets most at risk, developed a clear framework of asset ownership, and delineated zones requiring immediate adaptation measures. Engaged with the steering committee and facilitated public outreach meetings, incorporating stakeholder feedback to refine the assessment and ensure actionable outcomes.

Resilience Engineer; Okaloosa County Vulnerability Assessment and Adaptation Plan

Technical Lead for exposure and sensitivity analysis to assess vulnerabilities for critical assets and resources. Project was Resilient Florida grant funded and in compliance with guidance. Geospatial modeling, hazard analysis, risk calculations and mapping was included

Resilience Engineer; Town of Juno Beach Vulnerability Assessment

Led the vulnerability assessment efforts, delivering comprehensive project scope, including setting the vulnerability assessment data standards, public outreach meetings, critical infrastructure and flood scenario data analysis, and exposure, sensitivity, and risk assessments. Utilized advanced GIS techniques visualize the impacts of hazard scenarios. Coordinated public engagement sessions, managed stakeholder communications, and integrated adaptive capacity analyses into deliverables, ensuring compliance with Resilient Florida grant guidelines and providing actionable resilience strategies for flood, storm surge, and sea level rise adaptation.

Resilience Engineer; City of Delray Beach, Vulnerability Assessment & Adaptation Plan, FL

Assisted in the development of the Adaptation Plan for the City of Delray Beach. Responsibilities include conducting comprehensive research on climate impacts, engaging with city officials and the public to gather input, and drafting the adaptation strategies.



8 YEARS
EXPERIENCE

Education

- PhD, Civil Engineering, University at Buffalo (SUNY), Buffalo, NY, USA
- MS, Civil Engineering, Sharif University of Technology, Tehran, Iran
- BS, Civil Engineering, Sharif University of Technology, Tehran, Iran

Registrations/Certifications

- EIT (Pending Approval)

Skills & Experience

- Disaster Resilience
- Probabilistic Risk Assessment
- Natural Hazards
- Structural Engineering
- Vulnerability Analysis
- Wind Engineering

ALIREZA KAZEMIAN, PHD

RESILIENCE SPECIALIST

Senior Resilience Specialist | APTIM

Professional Summary

Mr. Alireza Kazemian, PhD, is a Civil (Structural) Engineer specializing in probabilistic risk assessment and natural catastrophe risk analysis. He is skilled in utilizing advanced tools to assess the vulnerability, risk and resilience of infrastructures and systems prone to extreme natural hazards, including earthquakes, hurricanes, and flooding.

Relevant Experience

Aptim Environmental & Infrastructure, LLC, Senior Resilience Specialist; April 2025–Present

Senior Resilience Specialist, Town of Juno Beach Comprehensive Vulnerability Assessment & Adaptation Plan, Juno Beach, FL

Conducting a comprehensive vulnerability assessment, analyzing the impacts of +10 flood scenarios on assets across the Town. Leading the exposure analysis and the sensitivity analysis efforts are among the responsibilities. Other key contributions include coordination with the client, project management for timely deliverables, and support developing adaptation planning strategies.

Senior Resilience Specialist, Village of Estero Comprehensive Vulnerability Assessment, Estero, FL

Help conducting a comprehensive vulnerability assessment, analyzing the impacts of +10 flood scenarios on assets across the Village. Leading the exposure analysis and the sensitivity analysis efforts are among the responsibilities. Other key contributions include data collection and support developing adaptation planning strategies.

Senior Resilience Specialist, Captiva Erosion Prevention

District | Captiva Island Vulnerability Assessment and Bayside Adaptation Plan, Captiva, FL

Performed QA/QC for adaptation planning strategies. Help ensuring that the deliverables strictly comply with the FDEP requirements.

Walker Consultants, Atlanta, GA, January 2023 - March 2025

Forensic Structural Engineer

Specialized in post-disaster damage assessments and structural investigations in communities affected by major hurricanes, primarily in Florida. Work involved evaluating residential, commercial, and critical infrastructure systems to determine the extent and causes of structural damage due to extreme wind, rain, storm surge, and debris impact.

Forensic Structural Engineer, Post-Hurricane Ian Forensic Assessment of Dunes of Naples, Naples, FL

As a Forensic Structural Engineer, I was involved in the post-Hurricane Ian forensic assessment of *The Dunes of Naples*, a luxury high-rise residential complex in Naples, FL. Our team conducted detailed structural inspections and wind forensics analyses to evaluate hurricane-induced damage across multiple towers. My role included identifying structural distress, distinguishing between storm-related and pre-existing conditions, and contributing to high-stakes technical reports used for insurance and litigation purposes. The project demanded rapid response, advanced diagnostics, and close coordination with multidisciplinary experts, providing valuable experience in post-disaster structural forensics on a high-profile coastal property.

Forensic Structural Engineer, Post-Hurricane Ian Forensic Assessment of Vizcaya Heights Multi-Condominium Association, Orlando, FL

As a Forensic Structural Engineer, I was involved in the post-Hurricane Ian forensic assessment of *The Vizcaya Heights Complex*, a multi-condominium residential complex in Orlando's Dr. Phillips neighborhood. Following significant storm impacts, our team conducted comprehensive structural evaluations, including wind forensics and building envelope inspections, to determine the extent of damage. Utilizing advanced diagnostic tools such as drone imaging and non-destructive testing, we identified structural and non-structural vulnerabilities and provided detailed reports to support insurance claims and guide repair strategies.

University at Buffalo, Buffalo, NY August 2018 – December 2022

Graduate Research Assistant

As a Research Assistant at the University at Buffalo during my doctoral studies in Civil (Structural) Engineering, I conducted advanced research in probabilistic risk analysis and catastrophe modeling. My work focused on the resilience and performance assessment of structural systems under extreme hazards, including wind and seismic events. This experience involved extensive simulation, data analysis, and development of innovative modeling frameworks that contributed to peer-reviewed publications and large-scale research initiatives.

Research Associate, A Framework for Vulnerability Assessment of Power Transmission Towers and Lines Exposure to Extreme Events, Montreal, QC

As part of a pioneering effort funded by CEATI International - a Montreal-based consortium of major power utility Companies - I lead the development of a comprehensive Vulnerability, Risk, and Resilience Assessment framework for high-voltage transmission towers and power lines. This initiative, the first of its kind within the utility industry, focused on evaluating structural and operational vulnerabilities across diverse hazard scenarios, including extreme wind, ice loading, and cascading failures. I played a key role in developing structural models, defining risk metrics, and developing system-level fragility models. The framework was delivered to CEATI with practical implementation pathways and has since served as a reference model for several member utilities across North America.



25 YEARS
EXPERIENCE

Education

- MS, Environmental Studies, Florida International University
- BS, Environmental Studies, Stockton University

Registrations/Certifications

- GIS Professional (GISP), GIS Certification Institute, 2011
- Certificate of Geographic Information Systems, 2003
- Certified Florida Master Naturalist Geographic Information Systems

Skills & Experience

- More than 18 years of Ocean/Coastal GIS in Florida
- Coauthored 7 scientific publications dealing with remote sensing of benthic habitats and geomorphology

HEATHER VOLLMER, MS, GISP

DATA ANALYSIS AND MANAGEMENT LEAD

GIS Specialist | APTIM

Professional Summary

Heather Vollmer is a GIS professional with 25 years of experience in GIS data mining, engineering and maintenance, remote sensing, spatial analysis, supporting documentation and web app development. She is heavily involved in innovating the application of geospatial technologies to further advance the understanding of coastal management. Since joining APTIM in 2006, Ms. Vollmer has been charged with providing geospatial technological support to streamline and improve client projects and deliverables. She has provided support on several Louisiana projects.

Relevant Experience

Aptim Environmental & Infrastructure, LLC,
Geospatial Systems Senior Specialist I; October 2006–Present

GIS Analyst; Louisiana Sand Resources Database (LASARD)

Assisted with the development of formatting standards for the online dissemination of geoscientific data and ultimately its incorporation into LASARD. Collaborated on the development of the data QA/QC procedure and reviews data deliverables.

GIS Analyst; Louisiana Sediment Availability and Allocation (LASAAP) Program

The goal of this project was to facilitate sediment management by creating a tool to link the sediment needs of Louisiana's restoration projects to the appropriate potential sediment resources. Ms. Vollmer collaborated

with the team to develop an ESRI arc toolbox using Python script.

GIS Analyst; System Wide Assessment and Monitoring Program (SWAMP, Phases II and III), Hydrographic and Geophysical Survey, LA

Ms. Vollmer was responsible for the QA/QC of GIS data deliverables, providing field support, creation, and review of all supporting documentation (maps, metadata, GIS technical writeups). She was part of the team that developed an online map for project progress monitoring and a polling app to efficiently collect information on bottom types.

GIS Analyst; Golden Triangle Marsh Restoration, LA

Ms. Vollmer was responsible for the QA/QC of GIS data deliverables, providing field support, creation, and review of all supporting documentation (maps, metadata, GIS technical writeups). She assisted in creating CAD permit drawings. She was part of the team that worked setting up the Autodesk Cloud and a field observation app for consistent field monitoring reports.

GIS Analyst; Northern Gulf Sediment Availability and Allocation Program (NGSAAP)

Part of the APTIM team's effort in advancing the LASAAP prototype beyond Louisiana to all Gulf states.

GIS Analyst; Database Development and Management for ASBPA

Working with ASBPA, APTIM designed a comprehensive web app that allows the public to explore the United States historical beach nourishment efforts. The database houses year of nourishment, number of projects, number of nourishment events, date ranges, total length and costs. Ms. Vollmer oversaw the GIS database development as well as the UX design.

GIS Analyst; BOEM Atlantic Sand Assessment Project (ASAP) Geophysical and Geological Data Acquisition, Inventory of Potential Beach Nourishment and Coastal Restoration Sand Sources on the Atlantic Outer Continental Shelf

Ms. Vollmer was responsible for the QA/QC of GIS data deliverables, providing field support as needed, creation and review of all supporting documentation (maps, metadata, GIS technical writeups).

GIS Analyst; BOEM IDIQ, Task Order 1, Geophysical and Geological Data Acquisition and Analysis in Onslow Bay Offshore North Carolina and Long Bay Offshore North Carolina and South Carolina

Developed a data management plan and QA/QC procedures for re- view of MMIS deliverables. Currently working on implementing MMIS formatting procedures.

GIS Analyst; BOEM IDIQ, Task Order 3, Geophysical and Geological Data Acquisition and Analysis on the Atlantic Outer Continental Shelf of Florida

Ms. Vollmer is tasked with overview of MMIS deliverable formatting and QA/QC.

GIS Analyst; BOEM IDIQ, Task Order 8, Geophysical and Geological Data Acquisitions and Analyses on the Mid-Atlantic Continental Shelf of Florida

Ms. Vollmer was part of the team that worked on analyzing historical MMIS data along the Mid-Atlantic Continental Shelf to determine patterns of historical knowledge, identify potential resources,

GIS Analyst; South Florida Military Installation Multi-Hazard Resilience Review

Ms. Vollmer collected data for four local military installations across three counties via continuous outreach and research. Analyzed results and produced summary graphics and trends for the exposure, sensitivity, adaptive capacity, and risk analyses.

GIS Analyst; Atlas of Disaster

Assisted on analyzing critical infrastructure for hazard vulnerabilities and report documentation and maps. Our new report "Atlas of Disaster" – at over 650 pages with over 300 maps – provides a blueprint for equitable climate adaptation planning, offers new funding sources to invest in resilient infrastructure, and provides a framework for better decision-making for government, the private sector, philanthropy, and finance.

GIS Analyst, APTIM Enterprise, Data Structure and Management

Ms. Vollmer is APTIM's database librarian. She reformats and performs all QA/QC for database uploads as well as data mining for additional beneficial database information. She researches new technology and suggests future database management direction. She provides all inhouse training and assists with the development of user documentation.



9 YEARS
EXPERIENCE

Education

- PhD, Coastal Engineer, University of Florida
- MS, Coastal Engineering, Delft University of Technology (TU Delft)
- BS, Civil Engineering University of Moratuwa

Skills & Experience

- Expertise in hydrodynamic, morphodynamic and water quality modeling and analysis
- Expert proficiency in numerical modeling analysis
- Expert proficiency in numerical modeling with XBeach.
- Expert proficiency in programming with Python and ArcGIS
- Proficiency in numerical modeling with Delft3D and SWASH

HITHAISHI HEWAGEEGANA, PHD

ENVIRONMENTAL RISK ASSESSMENT MODELING SUPPORT

Senior Numerical Modeler | APTIM

Professional Summary

Hithaishi Hewageegana, PhD is a senior numerical modeler focused on hydrodynamics and morphodynamics in nearshore environments. He has gained experience in applying advanced numerical models to solve nearshore problems. He is also a competent programmer in MATLAB, FORTRAN, and Python and skilled in ArcGIS and programming using Arcpy modules. He has worked in various coastal modeling projects from sediment transport to water quality, from idealized conditions to multiyear hindcasts, and from 1D models to hundreds of square km coastal and estuarine systems.

Relevant Experience

Aptim Environmental & Infrastructure, LLC | Senior Numerical Modeler | March 2023–Present **Numerical Modeler; Terrebone Parish Flood Elevation Review, LA**

Performing data review and flood modeling in support of the parish. Anticipated services: coastal engineering with emphasis on numerical modeling.

Numerical Modeler; Indian River County, Florida Modeling Memorandum Sebastian Inlet TAC, FL

Performed quality control review of the IRC numerical modeling and implemented a series of modeling improvements, assisted the project manager in finalizing the deliverables to the client.

Numerical Modeler; Pinellas County Sand Key Structural

Evaluation, Pinellas County, FL

Performed littoral budget development and analyzed the sediment transport patterns in the project area to support analysis of the implementation of possible coastal structures.

Numerical Modeler; Sunset Beach Groin Evaluation Project, Pinellas County, FL

Detailed modeling of coastal hydrodynamics and morphodynamics to understand the processes and provide optimal alternatives to improve beach performance at Sunset Beach.

Numerical Modeler; New Pass Inlet Management Plan Update, FL

Provided review of the inlet management study.

Professional Resume
TYLER CHAPPELL

Education

Texas Christian University- Fort Worth, Texas, Bachelor of Science, August 1997, Environmental Science

Summary

Mr. Chappell's capabilities include wetland jurisdictional determinations, environmental feasibility studies, seagrass surveys, gopher tortoise surveys, environmental permitting, mitigation design, and mitigation monitoring. Mr. Chappell has performed a number of endangered and threatened species surveys, jurisdictional determinations, and environmental monitoring reports. Mr. Chappell has also conducted construction compliance inspections including turbidity monitoring for wetland and coastal projects. He has over twenty years of experience in many types of environmental permitting, including residential docks, marinas and coastal development.

Professional Experience:

VICE PRESIDENT

APRIL 2005 – PRESENT

The Chappell Group, Inc. Pompano Beach, Florida

Responsibilities include wetland jurisdictional determinations, environmental feasibility studies, seagrass surveys, gopher tortoise surveys, environmental permitting with all agencies, mitigation design, and mitigation monitoring. Residential and commercial marina permitting and design including all aspects of sovereign submerged land regulations with the Division of State Lands. Construction compliance inspections including turbidity monitoring for wetland and coastal projects.

DIRECTOR, ENVIRONMENTAL SERVICES

JANUARY 1998 – APRIL 2005

Craven Thompson & Associates, Inc. Fort Lauderdale, Florida

Responsibilities include wetland jurisdictional determinations, environmental feasibility studies, seagrass surveys, gopher tortoise surveys, environmental permitting with all agencies, mitigation design, and mitigation monitoring. Residential and commercial marina permitting and design including all aspects of sovereign submerged land regulations with the Division of State Lands.

Partial List of Projects:

- Pembroke Road over I-75, Pembroke Pines/Miramar, FL
- Palm & Hibiscus Islands, Miami Beach, FL
- Port Everglades Wetland Enhancement, Port Everglades, FL
- Fort Lauderdale Force Main Crossings, Fort Lauderdale, FL
- West Side Dry Retention at the FLL Airport, Fort Lauderdale, FL
- NE 10th Street Extension, Fort Lauderdale, FL
- Sheridan Street, Pembroke Pines, FL
- Comcast Intracoastal Waterway, Hollywood, FL
- Port Everglades Turning Notch Expansion, Port Everglades, FL
- Hiatus Road Improvements, Sunrise, FL
- River Oaks Stormwater Preserve, Fort Lauderdale, FL
- Chapel Trail, Pembroke Pines, FL
- Hollywood North Beach Mooring Field, Hollywood, FL
- Port Everglades Turning Notch, Port Everglades, FL
- Sample Road Crossing, Lighthouse Pointe, FL
- Hollywood Directional Bore, Hollywood, FL
- Dania Beach Waterfront Revitalization, Dania Beach, FL
- Miramar Regional Park, Miramar, FL
- North Fork Riverfront Park, Fort Lauderdale
- Port Everglades Bridge/FPL Discharge Canal, Port Everglades, FL
- Broward County Mitigation Monitoring, BC Waste & Recycling Services, FL
- Ravenswood Bridge Improvements, Dania Beach, FL
- SW 145th Avenue, Miramar, FL



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www.thechappellgroup.com

Certifications:

- ISA Certified Arborist

Affiliations:

- South Florida Association of Environmental Professionals, Past President
- Florida Association of Environmental Professionals, Past Board Member
- Leadership Broward Graduate, Class XIX
- Marine Industries Association of South Florida, Board of Directors
- Florida Inland Navigation District, Past Broward Commissioner
- Riverwalk Trust, Past Board Member
- Broward Alliance, Past Investor
- International Society of Arboriculture, Certified Arborist, Member
- Hillsboro Inlet District, Broward Commissioner
- Friends of Hugh Taylor Birch State Park, Board of Directors, Secretary
- Port Everglades Association, Board Member
- Broward Workshop, Business Advocacy Committee
- Coastal Coalition, Fort Lauderdale Chamber of Commerce



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Professional Resume

Gabe Detina

Education

The College of the Florida Keys, Key West, Florida, 2020-2022
A.A.S. Marine Sciences

Florida Atlantic University, Boca Raton, Florida, 2022-2024
B.S. Biological Sciences

Summary

Mr. Detina's capabilities include wetland jurisdictional determinations, environmental feasibility studies, seagrass surveys, environmental permitting, mitigation design, and mitigation monitoring. Mr. Detina has experience with endangered and threatened species surveys, jurisdictional determinations, and environmental monitoring reports. Mr. Detina has performed field work involving the identification of benthic and wetland resources, population dynamics, and conservation management. As a member of *The Chappell Group, Inc.*'s team, Mr. Detina handles environmental compliance and environmental permitting, including residential docks and marinas.

Professional Experience:

PROJECT BIOLOGIST NOVEMBER 2024 – PRESENT

The Chappell Group, Inc., Pompano Beach, Florida

Responsibilities include wetland jurisdictional determinations, environmental feasibility studies, benthic resource surveys, environmental permitting with all agencies, and mitigation monitoring. Residential and commercial marina permitting and design including all aspects of sovereign submerged land regulations with the Division of State Lands. Regulatory construction compliance inspections including turbidity monitoring, mitigation planting inspections, and verification of erosion control devices.

RESEARCH TECHNICIAN JANUARY 2023– JUNE 2023

FAU Seagrass Laboratory, Florida Atlantic University, Boca Raton, Florida

Responsibilities include assisting in the research of oxidation in *Thalassia*, data collection and analysis, academic poster creation, and maintenance of seagrass samples.

FILL STATION TECHNICIAN AND SALES REPRESENTATIVE MAY 2024– PRESENT

Force-E Scuba, Boca Raton, Florida

Responsibilities include assisting clients with product selection, gear fittings, and trip bookings, as well as having an in-depth knowledge of scuba diving equipment, apparel, accessories, and maintenance.

RESEARCH DIVER MAY 2023– AUGUST 2023

Pinnacle Ecological Internship, Boynton Beach, Florida

Responsibilities include assisting in the research of marine environments, environmental analysis, equipment maintenance, and the use of GIS mapping software to conduct benthic ecological surveys.

Partial List of Projects:

- 5281 N Ocean Dr, Lauderdale-By-The-Sea, FL
- Cooley's Landing Marina, Fort Lauderdale, FL
- Dania Jai Alai, Dania Beach, FL
- Rita Shaw Parcel, Fort Lauderdale, FL
- Private client, single family home dock design and permitting

Certifications:

- PADI Open Water Diver
- SDI Advanced Open Water Diver
- SSI Nitrox
- USGC 6-Pack Captain's License
- TWIC ID Clearance
- CPR Certified



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16 YEARS
EXPERIENCE

Education

- MS, Coastal and Oceanographic Engineering, University of Florida
- BCE, Civil Engineering, University of Delaware

Registrations/Certifications

Professional Engineer, Florida,
License No. 74708, Active

Skills & Experience

- Broad experience in project management, planning, design, permitting, engineering, plans, specifications, field investigations, construction oversight, and monitoring of coastal engineering projects

NICOLE SHARP, MS, PE

COASTAL ENGINEERING & ECOLOGICAL RESTORATION

Director of Coastal Science & Engineering | APTIM

Professional Summary

As the Director of Coastal Science and Engineering for APTIM, Nicole Sharp has a well-rounded background in coastal management with the public and private sector. She has extensive experience with planning and implementing coastal projects, United States Army Corps of Engineers USACE) project planning process, complex environmental permitting, National Environmental Policy Act (NEPA), and the review of environmental assessments (EA) for projects in sensitive areas, dredging, and beach/marsh creation. She designed, permitted, and supervised construction of numerous multifaceted beach and inlet projects throughout the eastern United States.

Relevant Experience

Aptim Environmental & Infrastructure, LLC |

Director of Coastal Science and Engineering | June 2020–Present)

Senior Project Manager; Sector 3 Beach and Dune Restoration Project; Indian River County, FL

Responsible for the Sector 3 Beach and Dune Renourishment Project to restore the beach from damage caused by Hurricanes Matthew, Irma, and Dorian. Efforts have included final permit coordination, development of construction plans and specifications for both dredge and truck haul, bidding assistance, and construction administration for the County. Currently overseeing the required post-construction physical and biological

monitoring for the project. Most recently, assisting the County with damage assessments following Hurricanes Ian and Nicole and assisting the County in their coordination with FEMA.

Senior Project Manager and Engineer of Record; Sector 5 Beach and Dune Restoration Project; Indian River County, FL

Responsible for Sector 5 Beach and Dune Renourishment Project. Efforts have included development of plans and specifications for additional FEMA dune plantings in addition to construction oversight of the plantings. Currently overseeing required post-construction physical and biological monitoring for the project. Most recently assisting the County with damage assessments following Hurricanes Ian and Nicole and assisting the County in their coordination with FEMA.

Project Manager; Pinellas County Coastal Management Plan, Pinellas County, FL

Ms. Sharp served as the Senior Coastal Engineer responsible for the review and development of the assessment of multiple coastal structures. Assisted with historic research of the structures, including design and regulatory documentation, monitoring reports, and other historic documents to review and evaluate the design purpose, design life, general structure performance, and historic maintenance of the structures prior to conducting field inspections. Most recently, she was Engineer of Record for the Sunset Beach, Pass-a-Grille Beach, Belleair Beach, and Upham Beach dune repair project following the passage of Hurricane Idalia. Provided dune design, development of specifications and construction plans, review of upland sand sources, and construction administration and oversight for the project in an expedited timeline to protect vulnerable upland infrastructure.

Program Manager; Captiva Island Beach Renourishment Project, Lee County, FL

Assisting the Captiva Erosion Prevention District with the overall management of the district's coastal management program Served as Project Manager for the 2013 Captiva Renourishment Project, developing construction plans and specifications, coordinated bidding and pre-construction activities, and led construction oversight and administration. Assisted in the project management, planning, and construction oversight of the 2021 Captiva Renourishment Project. Engineer of Record for the borrow area portion of the project and related geotechnical components. Assisted the District with the required post-construction monitoring of the project in addition to reimbursement from FEMA and the FDEP. Assisted with the post-hurricane Ian assessment and the planning for an upcoming restoration project.

Project Manager; Collier County Beach Management Program, Collier County, FL

Assists the County with their comprehensive beach management program, including beach restoration, inlet management and dredging, and funding assistance. Project Engineer responsible for the design and permitting of Collier County's 2013/14 renourishment project. Prepared and submitted the federal and state joint coastal permit, coordinated and conducted the pre-bid and pre-construction meetings and provided construction oversight. Conducted two truck haul projects for the Collier County Naples Beach Emergency Berm Restoration and Collier County Berm Restoration Project at Naples and Park Shore. Served as program manager of the 2023 Collier County Emergency Berm project following the passage of Hurricane Ian, leading project design, development of construction plans and specifications and performed construction administration.

Senior Coastal Engineer; Pass-a-Grille Groin Inspection and Assessment, Pinellas County, FL

Responsible for the review and assessment of the terminal groin structure. Conducted historic research, performed structural inspection, provided final assessment summarizing findings and identified recommended actions for maintenance.

Project Manager; Pinellas County Hurricane Idalia Emergency Shore Stabilization Projects, Pinellas County, FL

Engineer of Record for the Sunset Beach, Pass-a-Grille Beach, Belleair Beach, and Upham Beach dune repair project following the passage of Hurricane Idalia. Provided dune design, development of specifications and construction plans, review of upland sand sources, and construction administration and oversight for the project in an expedited timeline to protect vulnerable upland infrastructure.



12 YEARS
EXPERIENCE

Education

- PhD, Environmental Engineering, Texas A&M University-Kingsville
- MS, Environmental Engineering, Texas A&M University-Kingsville
- BS, Environmental Engineering, Universidad Pontificia Bolivariana, Bucaramanga, Colombia

Registrations/Certifications

Certified Floodplain Manager

Skills & Experience

- Coastal and Environmental
- Beach Nourishment
- Coastal Structures
- Numerical Modeling of Coastal Processes
- Inlet Management
-

DORIS OTERO, PHD, CFM

ENVIRONMENTAL RISK ASSESSMENT MODELING SUPPORT

Senior Coastal Engineer | APTIM

Professional Summary

Doris Otero, PhD, CFM is a Project Manager providing a variety of management and engineering services. She has managed diverse teams in coastal and beach nourishment projects throughout Florida. Her expertise includes supporting projects with FEMA PA submittals. Her recent projects have included engineering analysis, development of construction plans and specifications, project administration, construction bidding support and administration, post-construction monitoring calculations, construction observations and report preparation.

Relevant Experience

Aptim Environmental & Infrastructure, LLC | Project Manager | December 2013–Present)

Numerical Modeler, USACE Regional Sediment Management Project

Master Spreadsheet Database development for the Regional Sediment Management (RSM) Project. In this study, 220 dredging projects of the 20 USACE Districts were analyzed. Extensive literature review of all these projects to identify gaps and opportunities for the USACE RSM program.

Numerical Modeler; Robinson Preserve Modeling Study, Manatee County, FL

Assisted in the development of the Delft-3D model to assess circulation and residence (flushing) time for the existing conditions and proposed design and sediment mobility analysis in the flushing channels.

Numerical Modeler, Blind Pass Inlet Management Study, Lee County, FL

Assisted in the development of the Blind Pass Inlet Management Study. This study is going to provide a better understanding of the coastal dynamics of the Blind Pass inlet system and adjacent beaches using available meteorological and oceanographic data and numerical modeling. The primary focus of this inlet management study was to develop an updated sediment budget for the inlet and to evaluate strategies of inlet sediment management with the objective of balancing the sediment budget between the inlet and adjacent beaches.

Numerical Modeler, Beach Preservation Plan, Indian River County, FL

Reviewed Delft-3D numerical modeling report developed to evaluate the performance of the project alternatives and to assess their benefits/impacts of the project.

Numerical Modeler/Coastal Engineer; Southern Palm Beach Island EIS, Palm Beach County, FL

Coastal engineer who assisted with the numerical modeling using the cross-shore sediment transport model, SBEACH and Delft-3D to evaluate potential impacts of fill and structural alternatives included in the EIS study.

Numerical Modeler/Coastal Engineer; Texas Coastal Resiliency Plan for the Protection of Critical Infrastructure along the Texas Coast

Assisted in the coastal resiliency study for the State of Texas. Compiled information from 22 different coastal Texas counties. Organized information into a database to create online decision supporting tool.

Project Manager; Lido Key Beach Repair Project, City of Sarasota, FL

Assisted in the permit coordination and design of the Lido Key beach repair project. Performed volume calculations to estimate project volume and helped develop the project cost estimate and final project plans and specifications. Conducted pay volume calculations. Provided during construction coordination with field observers and contractors. Provide services related to general coastal consulting and coordination as requested by City staff. Assist with the Florida Department of Environmental Protection (FDEP) Local Government Funding Request (LGFR) and with State and Federal cost reimbursements.

Project Manager; New Pass Inlet Management Study Update, City of Sarasota, FL

Provided coordination and assistance in the development of the New Pass Inlet Management Study. Sediment budget was updated to evaluate strategies of inlet sediment management with the objective of balancing the sediment budget between the inlet and adjacent beaches. The study evaluated options and provided recommendations for the ongoing management of New Pass and the adjacent beaches within its area of influence and considered the collective input of the appropriate federal, state, and local governmental agencies.

Project Manager; Englewood Seawall Design, Sarasota County, FL

Managing the planning, design, permit and construction of the Bayshore Drive Seawall Project and Casa Rio Seawall improvements to repair the damages from Hurricane Ian. Assisting in the preparation of technical specifications to provide written details regarding the seawall design, administrative matters, material specifications, and execution requirements. Documents will be suitable for bidding the work.

Project Manager; Delray Beach Coastal Program, City of Delray Beach, FL

Assisted the City by providing on-site construction observation and project coordination and serves as the City's liaison in communications and coordination for all City projects. Assisted in the assessment of the City's vulnerability to future seasonal flooding and identified the potential options to protect its infrastructure and citizen's property. Reviewed water level data analyzed return periods of extreme events and considered sea level rise guidance to determine water level projections for the City's requested 30-year and 75-year planning horizons. Assisting the City with replacing or repairing their various City owned/maintained seawalls, which APTIM identified. Continue to assist the City with their coastal program, including state and federal permitting agency coordination, quarterly reporting, Local Government Funding Request, physical monitoring, and subsequent physical monitoring report to FDEP, blue flag award program support, pre-bidding support in their ongoing coordination with the USACE for their storm repair project due to be construction in Winter 2025/26.



8 YEARS
EXPERIENCE

Education

- MS, Environmental Management and Sustainability, Illinois Institute of Technology
- MS, Business Analytics, Lewis University
- BS, Environmental Science, University of Illinois at Urbana

Skills & Experience

- Sustainability programming
- Stakeholder engagement
- Decarbonization strategy
- Project management
- Water efficiency
- Energy efficiency

JOHN LERCZAK, CEM, LEED AP O+M, TRUE ADVISOR

SUSTAINABILITY – WATER AUDIT

Sustainability Performance Program Manager | APTIM

Professional Summary

Mr. Lerczak is an experienced sustainability professional with eight years of experience in project management, assessing environmental impacts and operational efficiency. He has supported complex organizations and institutions in advancing their greenhouse gas (GHG) emission reduction goals through operational assessments, generating buy-in from leadership on sustainability driven initiatives and managing various environmental programs. Mr. Lerczak holds multiple sustainability certifications and has an extensive knowledge in energy, water, and waste minimization.

Relevant Experience

Aptim Environmental & Infrastructure, LLC | Sustainability Performance Program Manager | March 2022–Present

Mr. Lerczak currently leads a team of sustainability professionals focusing on operational efficiency, green building certifications and conducting energy, water, and waste audits for clients around the country. He assesses existing sustainability programs and provides recommendations for energy, water, and waste measures. Additionally, Mr. Lerczak develops and evaluates frameworks, plans, and policies to align with both short-term and long-term sustainability objectives. Prior to his current role, Mr. Lerczak lead and managed the operations & maintenance program, for both Chicago Midway and O'Hare airports identify best sustainable

practices. He reviewed design and construction drawings to incorporate sustainable attributes, working across cross-functional teams.

Lewis University; Director of Sustainability and Facilities Administration | September 2017–March 2022

Mr. Lerczak oversaw the university's sustainability program and continuously identified opportunities to engage stakeholders to incorporate more sustainable practices within the workplace. He measured, managed, and tracked all utilities and implemented reduction strategies. He managed utility rebate incentive projects, optimizing resource use and efficiency. Mr. Lerczak also played a pivotal role in the development and execution of sustainability planning initiatives, notably contributing to the university's first sustainability plan.



20 YEARS
EXPERIENCE

Education

- MBA, Finance, Accounting and Sustainability, University of Oregon, Eugene
- BA, Biology, Carleton College, Northfield, Minnesota
- GHG strategy development

Skills & Experience

- ESG Subject Matter Expert
- Compliance and regulation
- Sustainability strategy
- Energy efficiency
- Load management
- GHG strategy development
- Leadership and program management

MONICA THILGES, MBA

TECHNICAL ADVISOR

Senior Director, Corporate ESG and Sustainability | APTIM

Professional Summary

Monica is a Program Manager and Administrator with more than 20 years of experience in the sustainability, energy efficiency and carbon markets, specializing in close client partnerships to design and deliver high-performing, innovative programs. She leads cross-functional teams to drive innovation and consistency across the Demand Side Management (DSM) portfolio. She has demonstrated success designing, launching, and implementing programs with real market transformation impact. Led 50+ person teams in attaining revenue growth and strategic objectives while exceeding goals. For this project, Monica serves as the Executive Sponsor on behalf of APTIM to negotiate contract agreements and contractually bind the firm.

Relevant Experience

Aptim Environmental & Infrastructure, LLC | Senior Director, Corporate ESG and Sustainability | February 2017–Present)

Senior Director; Corporate Environmental, Social and Governance-Based Investing Framework (ESG)

As the director of corporate environmental, social and governance-based investing framework (ESG) at APTIM, Monica leads APTIM's ESG reporting efforts, leveraging global reporting initiatives (GRI) and international financial reporting standards (IFRS), and sets strategy

and leads implementation of corporate environmental initiatives. She led the greenhouse gas (GHG) footprint calculation efforts, resulting in SBTi validated GHG reduction targets, and a Climate Transition Plan.

Senior Director; Sustainability Solutions

Monica leads the Sustainability Solutions team, a group of over 20 environmental professionals, setting strategy and supporting her team as they partner with clients to create solutions to meet environmental compliance requirements and voluntary commitments.

Director; Sustainable Sport Index

Monica is responsible for formalizing the Sustainable Sport Index, a sustainability-focused survey-based state-of-the-industry report for professional and minor league sports venues.

Director; Emerging Technology; February 2019–October 2022

Monica directed and supported Southern California Edison's emerging technology initiatives by synthesizing and distributing insights on innovative demand response technologies and

emerging market trends. She collaborated with both internal and external groups, including the Emerging Technologies Coordinating Council (ETCC).

Director; Load Management Programs

Monica managed the commercial energy efficiency program portfolio and led the continuous improvement efforts of Wisconsin's statewide energy efficiency and renewable energy program, Focus on Energy. She also led program design efforts for Entergy New Orleans' energy efficiency programs.

CLEAResult / PECI; Senior Program Manager | July 2016–February 2017

Managed several multimillion-dollar annual budget programs during her tenure, including: Energy Trust of Oregon's Commercial New Construction and Multifamily programs Southern California Edison's market transformation program, focused on upleveling commercial HVAC maintenance practices and aligning with ASHRAE Standard 180.

The Climate Trust, Project Manager | August 2008–October 2010;

Worked to vet project concepts and originated credible carbon offsets for The Climate Trust's portfolio and the Colorado Carbon Fund. Successfully recruited, evaluated, and managed over 200 carbon offset project leads. Analyzed the financial statements and projections of multiple offset projects for viability. Conducted market outreach and education targeting potential donors and project developers. Researched and became the staff expert on forestry and chlorofluorocarbon offset projects.



15 YEARS
EXPERIENCE

Education

- BS, Physics, Eckerd College, St. Petersburg, FL

Registrations/Certifications

Project Management Professional

Skills & Experience

- Material Impacts Assessment and Integration
- Regulatory Compliance
- Environmental and Social Issues
- Climatology

ALEXANDER MILLER BROWN, PMP

SUSTAINABILITY – WATER AUDIT

Senior ESG and Climate Consultant | APTIM

Professional Summary

Mr. Brown is a sustainability professional with progressive experience performing analysis, advisory services, sustainability initiative development, and deep dive assessment for global corporate and investment clients across the utilities, energy, consumer products, and real estate sectors, specializing in assessment and integration of material impacts, risks, and opportunities associated with environmental, social, and governance issues and trends. Drove development and management of related corporate performance and analysis to define vision and drive strategy, as well as communication with key stakeholders to facilitate strategic understanding and engagement, needed for business to not only adapt, but thrive in today's rapidly evolving sustainability landscape

Relevant Experience

Aptim Environmental & Infrastructure, LLC, Senior ESG and Climate Consultant | March 2025–Present

Supporting the growth of APTIM's ESG and Sustainability service-line.

Freelance, Rockville, MD Sustainability Advisor | August 2024 – February 2025

Provided bespoke sustainability strategy, advisory, assessment, and execution services for select corporate clients, including:

- ▶ Managed and delivered one-off key stakeholder engagement and sustainability education projects for two clients.
- ▶ Delivered strategic advisory services, including leadership education workshops, to support readiness and compliance with evolving regulatory landscape (e.g. CSRD, SEC, & CA Climate Bills) to three clients.
- ▶ Providing focused gap assessments of performance and disclosure against GRI, SASB, CDP, TCFD, and SBTi frameworks & standards for two clients nationwide.

Ernst & Young LLP, CCaSS, Washington, DC, Manager - Climate Change and Sustainability Services (CCaSS) | February 2022 – August 2024

- ▶ Managed and drove new business development initiatives, collaborating with senior managers, account managers, and practice leadership to drive and manage client response teams.

- ▶ Oversaw dozens of successful client pursuit/RFP response teams across aerospace & defense, agricultural & ag-products, consumer products, energy, life sciences, real estate, oil & gas, and utilities industries, which contributed to successful expansion of firm's revenue pipeline.
- ▶ Served as counselor to two senior and associate staff consultants by providing supervisory management, career guidance, and mentorship, successfully facilitating their career development and assisting them to secure desired staffing opportunities within organization.
- ▶ Acted as PMO & Engagement Manager responsible for bridging communications between clients, service delivery, and overseas support teams to enable more streamlined collaboration and execution of SOW agreements.
- ▶ Managed day-to-day activities of service delivery teams while ensuring compliance with firm policy and service quality standards.
- ▶ Served as an internal firm subject matter resource on Carbon Disclosure Project (CDP), leveraging extensive experience with CDP to advise service delivery teams engaged in delivery of CDP-related services; additionally served as PMO with responsibility for managing Agile development of internal tools to facilitate delivery of CDP response development, mock scoring, and gap assessment services to firm's clients.
- ▶ Served as PMO for firm's EU CSRD service delivery initiative, collaborating with geographically diverse workstream leads to manage their respective teams? successful development of internal tools and client-facing enablers to support delivery of EU CSRD readiness assessments, gap assessments, double materiality assessments, road mapping, and implementation services to firm's clients.

WGL, Washington, DC, Senior Sustainability Analyst | September 2016 – February 2022

- ▶ Delivered quarterly evaluations of company Environmental, Social, and Corporate Governance (ESG) performance and its exposure to related risks; presented insights gathered from research and analytical to support corporate goals.
- ▶ - Managed data collection, analytics, and verification processes for all external reporting to key stakeholders to include MWCOG, AGA/EEI, and CDP.
- ▶ - Conducted annual data collection and analytics for corporate GHG inventory and managed third-party verification processes to critical deadlines.
- ▶ - Delivered analytics and research supporting development of reporting targets, appropriate baselines, and integrated utility reporting aligned with SASB, GRI, and TCFD
- ▶ - Developed and presented critical data analysis and thought leadership briefs to 10+ senior leaders in support of ongoing sustainability goal setting and development of reporting practices.
- ▶ Led development, testing, and deployment of new data collection and reporting methodology to support corporate move to externally validated and audited ESG reporting.
- ▶ - Developed recurrent midstream and utility peer benchmarking; conducted stakeholder and market sustainability assessments to drive strategic decision-making by corporate and parent company leadership.
- ▶ - Managed roughly 6+ quarterly one-off projects for internal clients, including production of analytics, issue briefings, white papers, and presentations for corporate and parent company leadership.



18 YEARS
EXPERIENCE

Education

- MBA, Business, Marquette University, Milwaukee, Wisconsin
- Bachelor of Engineering, Civil/Environmental Engineering, University of Wisconsin-Platteville

Skills & Experience

- Multi-disciplined energy audit & retrofit technical guidance.
- Lighting, HVAC, BMS upgrades
- Building decarbonization plans
- Educational programs about deep energy retrofits for buildings
- Building water conservation and reuse

Provided program and technical support with commercial grocers, warehouses, industrial processes, municipalities, and various other customers in qualifying and securing financial incentive funds for energy-savings projects nationwide.

WARREN GRAHAM
SUSTAINABILITY - ENERGY AUDIT
Energy Engineer | APTIM

Professional Summary

Warren has over 18 years of engineering, consulting, and project experience in the commercial energy conservation industry. In working with energy / sustainability programs, he has served in roles as a program administrator, implementer, energy engineer, trade ally, and customer representative. He is recognized as a subject matter expert as it relates to sustainability guidance and energy projects. His background includes providing facility commissioning, energy auditing, engineering support, technology management, sustainability / energy program development, and energy-incentive procurement for customer projects nationwide.

Relevant Experience

Aptim Environmental & Infrastructure, LLC |
Sustainability Energy Engineer | September 2024 – Present

Supports engineering and technical efforts on Wisconsin's state-wide energy program, Focus on Energy. Also responsible for providing technical guidance, site audits, and sustainability directives for APTIM's environment and sustainability division. A certified HVACR technician with in-depth HVAC and Refrigeration equipment insight and refrigerant guidance. Multi-disciplined site auditor for lighting, lighting controls, HVAC, insulation, and building management system energy upgrades and renewable energy opportunities.

CoolSys, Energy Solutions, Incentive Program
Manager, Brea, CA | May 2019 – March 2024

Certified Refrigeration & Mechanical (CRM), Commercial Refrigeration, Commissioning
Manager/Milwaukee Branch Manager, Madison, WI | October 2012 – May 2019

Provided site audits, sustainability recommendations, facility commissioning, and energy upgrades. As a project manager he quantified/qualified energy upgrade opportunities and secured energy rebates on behalf of CRM customers. Operated as the branch manager for the Milwaukee Division and as a key account rep. Lead company commissioning and retro-commissioning projects and reporting efforts.



3 YEARS
EXPERIENCE

Education

- BS, Mechanical Engineering, UW-Platteville, Platteville, Wisconsin
- BS, Sustainability and Renewable Energy Systems, UW-Platteville, Platteville, Wisconsin

Registrations/Certifications

Energy Manager in Training (EMIT)
Association of Energy Engineers

Skills & Experience

- Energy Audits
- Greenhouse Gas Emissions
- Technical Project Reviews
- Sustainability
- Energy Efficiency

JESSE BAUER, EMIT

ENERGY ENGINEER

Energy Engineer | APTIM

Professional Summary

Jesse Bauer is a graduate from UW-Platteville and has two degrees in Mechanical Engineering and Sustainability and Renewable Energy Systems. As part of APTIM, Jesse is tasked with performing energy audits on non-residential facilities, providing energy-saving recommendations, and calculating energy and cost savings. Jesse also provides engineering support for Wisconsin's Focus on Energy rebate program. His duties include quality control, researching new measures, and reviewing complex projects. His biggest interests are in energy efficiency, renewable energy, sustainability, and biomimicry.

Relevant Experience

Aptim Environmental & Infrastructure, LLC, Energy Engineer | June 2022–Present

Energy Engineer; Focus on Energy Program Administrator of Statewide Energy Efficiency and Renewable Energy Program Wisconsin

Residential engineer lead for Wisconsin's Focus on Energy rebate program responsible for WI's Technical Reference Manual and technical reviews for projects of all types. The TRM consists of a yearly review process with needed communication between program implementers and evaluators. Project reviews include quality control and technical application to make yearly evaluation a smooth process.

Energy Engineer, Sustainable Sports Index

Engineer co-lead for ASHRAE Level 1 audits for multiple sports venues with responsibilities that include. Worked closely with waste and water auditors. During the audit, energy savings opportunities are defined with the walk-through which are typically low and no cost with possible capital level projects. All these data pieces were put into a report and presented to the client to help them moving forward with their sustainability plans and see where they line up with others.

Energy Engineer, Confidential Client- National Parks Energy and Water Audits Nationwide

Engineer Co-Lead for ASHRAE Level 2 audits for commercial buildings for a confidential client in a confidential national park. With the walk-through, low and no cost savings opportunities were identified with energy savings calculations, EUI estimates, estimated paybacks, and greenhouse gas emissions calculations completed afterwards. The possibility of renewables was looked at in addition to the typical audit and other opportunities to make their day-to-day more efficient. All these points led to easier implementation of potential projects, future evaluation of larger projects and their impact, and eventually a look into carbon neutrality goals.



15 YEARS
EXPERIENCE

Education

- Master of Engineering (In Progress), Sustainable Systems Engineering, University of Wisconsin-Madison
- BS, Civil and Environmental Engineering, Marquette University, Milwaukee, Wisconsin

Registrations/Certifications

- Professional Engineer, 44828-6, WI
- Certified Energy Manager, 22678, Nationwide

Skills & Experience

- Energy Audits/Assessments
- Decarbonization Strategy Development

RICK BERRY, PE, CEM

ENERGY ENGINEER

Energy Engineer | APTIM

Professional Summary

Rick has 15 years of experience in the energy efficiency industry performing roles such as intern, call center staff, direct installer, energy engineer, engineering team lead, and efficiency program evaluator. His work involves a wide variety of tasks. He has created workpapers for programs and technical reference manuals (TRM), performed energy audits and assessments for multifamily, commercial, and industrial facilities, reviewed program applications for technical accuracy, developed calculations for new and innovative measures, and developed technical trainings for new internal staff.

Relevant Experience

Aptim Environmental & Infrastructure, LLC, Energy Engineer | July 2021–Present

Manages the energy engineering support for Focus on Energy and coordinates with evaluation staff. Typical duties include reviewing projects for technical accuracy, developing and reviewing TRM workpapers for accuracy, and supporting long-term program considerations by developing research materials. Additionally, conducting ASHRAE energy audits and providing engineering support for the Entergy energy efficiency programs in Louisiana.

Guidehouse, Energy | April 2019 – July 2021

Responsibilities included evaluating large prescriptive and custom energy efficiency programs, leading Guidehouse Illinois TRM stakeholder engagement,

developing research plans, and acting as a technical reference for our energy group.

Navigant (turned into Guidehouse), Senior Consultant, Energy | November 2016 – April 2019

Responsibilities included supporting Illinois and Pennsylvania TRM development, evaluating prescriptive and custom energy efficiency programs. Also supported utility bids into forward capacity market.

Franklin Energy Services, Energy Engineer II Team Lead | July 2008 – November 2016

Responsibilities included managing a team two full-time engineers and up to three interns, leading the technical support for numerous Minnesota-area energy efficiency programs, investigating, and evaluating new and innovative technologies, and training new staff.



23 YEARS
EXPERIENCE

Education

- MS, Mechanical Engineering, University of Illinois, Chicago
- BS, Mechanical Engineering, University of Illinois at Urbana/Champaign

Registrations/Certifications

- Professional Engineer, Illinois (062060923), Texas (119626)
- Association of Energy Engineers, Certified Energy Manager (CEM)
- Certified Practitioner of Energy Management Systems (CPEnMS)
- US Department of Energy Qualified Steam Specialist

Skills & Experience

- Energy Modeling & Simulation
- Design & Specs for Energy Systems

ANDREW SHEAFFER, PE, CPENMS, CEM ENERGY ENGINEER

Energy Engineer | APTIM

Professional Summary

Andrew has 23 years of experience advising clients in the industrial, commercial, and institutional market sectors on energy and carbon management strategies. Focusing on cost savings and risk mitigation through energy efficiency, he has helped hundreds of clients identify, analyze, and implement energy and carbon reduction opportunities within complex industrial and building systems. He is a Certified Energy Manager and is a trainer for the Department of Energy's strategic energy management certification program (Superior Energy Performance). Currently, he manages APTIM's work with Duke Energy, directing technical energy assessments and the Strategic Energy Management Planning service. He also works extensively with the Chicago Department of Aviation on strategic energy management planning.

Relevant Experience

Aptim Environmental & Infrastructure, LLC, Senior Energy Engineer | July 2016–Present

Senior Engineer, Logan International Airport Central Plant Design, MASSPORT, Boston, MA

APTIM is designing upgrades and modifications to the Boston Logan Airport central plant, including new chillers, boilers and the addition of a CHP system. Andrew is responsible for modeling the existing and proposed central plant to determine operating costs, optimization opportunities and capacities. He also consults on the design and specification of new plant equipment.

Program Manager, Duke Energy Non-Residential

Assessment Program (NRAP), Duke Energy, Charlotte, NC

APTIM is an implementer for Duke Energy's NRAP program in the industrial market sector. APTIM identifies, analyses, and helps customers implement energy savings projects at their facilities. Andrew provides program management and technical expertise to the program.

Senior Engineer, O'Hare Energy Management, Chicago Department of Aviation, Chicago, IL

APTIM acts as an outsourced energy manager with significant responsibilities in directing the analysis, design, oversight and verification of energy efficiency measures and capital projects. O'Hare is currently in the process of executing a multi-year modernization plan with extensive equipment and facilities investment. Andrew provides technical expertise in the areas of strategic energy management and retrofit solutions.

Program Manager, Boiler MACT Energy Assessments, Multiple Clients

APTIM performs energy assessments of combustion systems and facilities subject to Boiler MACT regulations (40 CFR Part 63 Subpart DDDDD). Andrew is the program manager for APTIM's Boiler MACT energy assessment services and serves as the primary qualified assessor (per the requirements of the regulation) for all energy assessments completed under the program. He has completed Boiler MACT assessments for a wide variety of customers including Axiall Corporation, Westlake Chemical, O'Hare International Airport, Croda, Inc., and Campari America. Systems assessed include high-pressure steam systems, low-pressure steam systems, hot-water systems, process heaters and furnaces.

Manages the energy engineering support for Focus on Energy and coordinates with evaluation staff. Typical duties include reviewing projects for technical accuracy, developing and reviewing TRM workpapers for accuracy, and supporting long-term program considerations by developing research materials. Additionally, conducting ASHRAE energy audits and providing engineering support for the Entergy energy efficiency programs in Louisiana.

9

OFFICE LOCATIONS



9. OFFICE LOCATIONS



Identify the office's location from which services will be rendered and the number of professional and administrative staff at the prime office.

Services for this project will be rendered out of our **Boca Raton office**:

6401 Congress Avenue
Suite #140
Boca Raton, FL

Professional Staff: **32**
Administrative Staff: **3**

Also, identify the location of office(s) of the prime that may be utilized to support any or all of the professional services listed above and the number of the professional and administrative staff at the prime office location.

Services for this project will be supported by our staff based in the Boca Raton office. However, we reserve the flexibility to leverage resources from other office locations as needed to ensure the successful and timely delivery of services.

If companies/firms are situated outside the local area (Broward, Palm Beach, and Miami-Dade counties), include a brief statement as to whether or not the companies/firms will arrange for a local office during the term of the agreement/contract, if necessary.

N/A – APTIM offices are in Palm Beach County (Boca Raton) and our partner, The Chappell Group, is local to the City of Pompano Beach.

10 | LITIGATION



10. LITIGATION

Litigation within the past five (5) years arising from your company/firm's performance, including status/outcome follows on next page.

Aptim Environmental & Infrastructure, LLC					
Matter Name	Type of Incident	Date of Incident	What was the initial circumstance for this action?	Jurisdiction	Final Outcome
Entergy New Orleans v. Coastal Protection and Restoration Authority, Great Lakes Dredge & Dock Company, LLC of Louisiana, Aptim Corp., et al.	Alleged Negligence	2023	Entergy New Orleans filed suit against CPRA, Great Lakes Dredge & Dock Company, APTIM, GeoEngineers, and Southern Shores Engineering due damage to Entergy's pipeline that allegedly resulted from the "block shift" that occurred during construction of Marsh Containment Area No. 2 on the Golden Triangle Project. Aptim retained by CPRA to design the Project; Southern Shores was the engineer of record for the Project and a sub to APTIM; Geo was a sub to APTIM as the geotechnical engineer on the Project and Great Lakes was retained by CPRA to construct the project.	19th Judicial District Court for the Parish of East Baton Rouge, Louisiana	Ongoing
Aptim Environmental & Infrastructure, LLC v. Virgin Islands Government Hospitals and Health Facilities Corporation	Alleged Breach of Contract	2023	Suit against the USVI hospital entity for breach of contract and bad faith "termination" of a substantially completed contract, combined with defense of a counter claim against Aptim by the hospital authority for alleged deficiencies in construction.	USVI Superior Court, St. Croix Division	Ongoing

11

CITY FORMS



11. CITY FORMS



The Proposer Information Page Form and any other required forms must be completed and submitted electronically through the City's eBid System. The City reserves the right to request additional information to ensure the Proposer is financially solvent. It has sufficient financial resources to perform the agreement/contract and shall provide proof of its financial solvency.

Look at Attachments. At its sole discretion, the City may ask for additional evidence of financial solvency, including additional documents post-proposal opening and before evaluation demonstrating the Proposer's ability to perform the resulting agreement/contract and provide the required materials and/or services.

City Forms have been uploaded through the City's eBid System.



12

**REVIEWED AND AUDITED
FINANCIAL STATEMENTS**

12. REVIEWED & AUDITED FINANCIAL STATEMENTS



Financial Statements begin on the following page.


13

INSURANCE



13. INSURANCE



Client#: 1791802		APTIMHOL		DATE (MM/DD/YYYY) 05/21/2025		
ACORD - CERTIFICATE OF LIABILITY INSURANCE						
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.						
IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).						
PRODUCER USI Southwest 9811 Katy Freeway, Suite 600 Houston, TX 77024 713 490-4600		CONTACT NAME: Morgan Koenig PHONE (A/C, No, Ext): 713 490-4600 FAX (A/C, No): 713-490-4700 E-MAIL ADDRESS: morgan.koenig@usi.com				
INSURED Aptim Holding Corp. 1200 Brickyard Ln Suite 202 Baton Rouge, LA 70802		INSURER(S) AFFORDING COVERAGE		NAIC #		
		INSURER A: Starr Surplus Lines Insurance Company		13604		
		INSURER B: Starr Indemnity and Liability Company		38318		
		INSURER C: Allianz Underwriters Insurance Company		36420		
		INSURER D: Indian Harbor Insurance Company		36940		
		INSURER E:				
		INSURER F:				
COVERAGES		CERTIFICATE NUMBER: 49346442		REVISION NUMBER:		
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.						
INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	Y Y	1000090689241	06/30/2024	06/30/2025	EACH OCCURRENCE \$2,000,000 DAMAGE INCURRED \$1,000,000 MED EXP (Any one person) \$10,000 PERSONAL & ADVERTISING \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMPROP AGG \$4,000,000 OTHER \$
B	AUTOMOBILE LIABILITY	Y Y	1000635746241	06/30/2024	06/30/2025	COMBINED SINGLE LIMIT (Ea accident) \$5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ OTHER \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input checked="" type="checkbox"/> CLAIMS-MADE	Y Y	1000095268241	06/30/2024	06/30/2025	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000 OTHER \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/ MEMBER EMPLOYED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y Y	1000004242	06/30/2024	06/30/2025	PER STATUTE \$ EACH ACCIDENT \$1,000,000 E DISEASE - EMPLOYEE \$1,000,000 E DISEASE - POLICY LIMIT \$1,000,000
C	Pollution-Co		USL02887224	06/30/2024	06/30/2025	10,000,000 Per Occ/Agg
D	Professional		CEO744642307	06/30/2024	06/30/2025	10,000,000 Each Claim
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) Certificate Holder is included as Additional Insured (except as respects coverage afforded by the Workers Compensation) and is granted a Waiver of Subrogation as required by written contract, but only for liability arising out of the Operations of the Named Insured. This insurance certified herein will apply as Primary and Non-Contributory as required by written contract. No policy will permit carrier cancellation without thirty (30) days prior written notice to the Certificate Holder. (See Attached Descriptions)						
CERTIFICATE HOLDER			CANCELLATION			
City of Pompano Beach 100 W. Atlantic Blvd Pompano Beach, FL 33060			SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.			
			AUTHORIZED REPRESENTATIVE 			

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#S49346442/M45112568

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SACT

DESCRIPTIONS (Continued from Page 1)

*****Schedule of Named Insureds*****

Accelerated Cleanup Company, LLC
AELS Administrative Services, LLC
AM Acquisition LLC
American Plastic Pipe and Supply, L.L.C.
Aptim AECOM Decommissioning, LLC
Aptim Canada Acquisition LLC
Aptim Chile Intermediary LLC
Aptim Coastal Planning & Engineering, LLC
Aptim Coastal, Inc.
Aptim Connecticut, Inc.
Aptim Constructors LLC
Aptim Contingency Constructors LLC
Aptim Corp.
Aptim Engineering New York, P.C.
Aptim Engineering of North Carolina, P.C.
Aptim Environmental & Infrastructure, LLC
Aptim Environmental Liability Solutions, L.L.C.
Aptim Facilities, Inc.
Aptim Federal Craft Services, LLC
Aptim Federal Services, LLC
Aptim Geosyntec JV LLC
Aptim Government Solutions, LLC
Aptim HDR, LLC
Aptim Holding Corp.
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Aptim Liquid Solutions LLC
Aptim Maintenance, LLC
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Aptim Peru Intermediary LLC
Aptim Port Services International, LLC
Aptim Port Services, LLC
Aptim Radiological Services LLC
Aptim Response Services LLC
Aptim Services, LLC
Aptim Specialty Services, L.L.C.
Aptim Thailand Acquisition LLC
Aptim/Baker/Gannett Fleming J.V.
Aptim-AIM JV
Aptim-Amentum Alaska Decommissioning LLC
Aptim-Atkins JV LLC
Aptim-Harper Construction JV, LLC
APTIM-Navarro-Veolia Joint Venture, LLC
Aptim-North Wind Construction JV, LLC
Aptim-Tokyu Construction JV, LLC
Aptim-Versar, LLC
Atlantic Contingency Constructors, LLC
Benicia North Gateway II, L.L.C.
Bhate Federal Services JV, LLC
Black & Veatch/Aptim/Dvirka and Bartilucci JV
Brice Aptim JV LLC
BWSR, LLC
Camden Road Venture, LLC
Coastal Estuary Services, L.L.C.
Consolidated Contingency Services LLC

SAGITTA 25.3 (2016/03) 2 of 3

#S49346442/M45112568

DESCRIPTIONS (Continued from Page 1)

GHG Solutions, LLC
Great Southwest Parkway Venture, LLC
HDR Aptim, LLC
HGL-Aptim Applied Science and Technology JV, LLC
HGL-Aptim JV, LLC
High Desert Support Services, LLC
Jenny/Aptim/AECOM, Joint Venture
Kings Bay Support Services, LLC
KIP I, L.L.C.
LandBank Properties, L.L.C.
LFG Specialties, L.L.C.
Millstone River Wetland Services, L.L.C.
NOREAS APTIM Environmental Remediation JV
Noreas Environmental Services LLC
NOREAS-Aptim JV
Norwood Venture I, L.L.C.
Olsen Associates, Inc. and Aptim Coastal Planning & Engineering, Inc. JV
Otay Mesa Ventures II, L.L.C.
Paducah Remediation Services, LLC
PB/Aptim Massachusetts, Inc., a Joint Venture
Ridge Top Ranch, LLC
So-Glen Gas Co., LLC
Solutions2Rebuild, LLC
South Platte Resiliency Company, LLC
Space Coast Launch Services LLC
Stantec-Aptim JV, LLC
Strategic Storage Partners, LLC
TerraVista Lakes, LLC
TFS-Aptim JV LLC
The Landbank Group, LLC
Triquetra III JV
VS2, LLC
Whippany Venture I, L.L.C.

Job Number:RFQ25-037
Job Type:Professional Services for Sustainability Projects
Project End Date:08/28/2028

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ATTACHMENTS



14. ATTACHMENTS



1. Project Team Form can be found in Section 5: Project Team Form
2. T1_T2_Form have been uploaded it to the Response Attachments tab.
3. Proposer Information Form – Proposer Information Form follows this page and has been uploaded to the Response Attachments Tab.
4. Vendor Certif. Scrutinized Companies has been uploaded to the Response Attachment Tab

COMPLETE THE PROPOSER INFORMATION FORM ON THE ATTACHMENTS TAB IN THE EBID SYSTEM. PROPOSERS ARE TO COMPLETE FORM IN ITS ENTIRETY AND INCLUDE THE FORM IN YOUR PROPOSAL THAT MUST BE UPLOADED TO THE RESPONSE ATTACHMENTS TAB FOR THE RFQ IN THE EBID SYSTEM.

PROPOSER INFORMATION PAGE

RFQ 25-037, Professional Services for Sustainability Projects
(number) (RFQ name)

To: The City of Pompano Beach, Florida

The below named company hereby agrees to furnish the proposed services under the terms stated subject to all instructions, terms, conditions, specifications, addenda, legal advertisement, and conditions contained in the RFQ. I have read the RFQ and all attachments, including the specifications, and fully understand what is required. By submitting this proposal, I will accept a contract if approved by the City and such acceptance covers all terms, conditions, and specifications of this proposal.

Proposal submitted by:

Name (printed) Samantha Danchuk Title Climate and Coastal Resilience Lead

Company (Legal Registered) Aptim Environmental & Infrastructure, LLC

Federal Tax Identification Number 77-0589932

Address 6401 Congress Avenue, Suite 140

City/State/Zip Boca Raton, FL 33487

Telephone No. 561.532.5882 Fax No. N/A

Email Address samantha.danchuk@aptim.com

EXHIBIT “B”

EXHIBIT _B_

INSURANCE REQUIREMENTS : RFQ25-037 – PROFESSIONAL SERVICES FOR SUSTAINABILITY PROJECTS

CONTRACTOR shall not commence services under the terms of this Agreement until certification or proof of insurance detailing terms and provisions has been received and approved in writing by the CITY's Risk Manager. If you are responding to a bid and have questions regarding the insurance requirements hereunder, please contact the City's Purchasing Department at (954) 786-4098. If the contract has already been awarded, please direct any queries and proof of the requisite insurance coverage to City staff responsible for oversight of the subject project/contract.

CONTRACTOR is responsible to deliver to the CITY for timely review and written approval/disapproval Certificates of Insurance which evidence that all insurance required hereunder is in full force and effect and which name on a primary basis, the CITY as an additional insured on all such coverage. **Such policy or policies shall be issued by United States Treasury approved companies authorized to do business in the State of Florida. The policies shall be written on forms acceptable to the City's Risk Manager, meet a minimum financial A.M. Best and Company rating of no less than Excellent, and be part of the Florida Insurance Guarantee Association Act. No changes are to be made to these specifications without prior written approval of the City's Risk Manager.**

Throughout the term of this Agreement, CITY, by and through its Risk Manager, reserve the right to review, modify, reject or accept any insurance policies required by this Agreement, including limits, coverages or endorsements. CITY reserves the right, but not the obligation, to review and reject any insurer providing coverage because of poor financial condition or failure to operate legally.

Failure to maintain the required insurance shall be considered an event of default. The requirements herein, as well as CITY's review or acceptance of insurance maintained by CONTRACTOR, are not intended to and shall not in any way limit or qualify the liabilities and obligations assumed by CONTRACTOR under this Agreement.

Throughout the term of this Agreement, CONTRACTOR and all subcontractors or other agents hereunder, shall, at their sole expense, maintain in full force and effect, the following insurance coverages and limits described herein, including endorsements.

A. Worker's Compensation Insurance covering all employees and providing benefits as required by Florida Statute, Chapter 440, regardless of the size of the company (number of employees) or the state in which the work is to be performed or of the state in which Contractor is obligated to pay compensation to employees engaged in the performance of the work. Contractor further agrees to be responsible for employment, control and conduct of its employees and for any injury sustained by such employees in the course of their employment.

B. Liability Insurance.

(1) Naming the City of Pompano Beach as an additional insured as City's interests may appear, on General Liability Insurance only, relative to claims which arise from Contractor's negligent acts or omissions in connection with Contractor's performance under this Agreement.

(2) Such Liability insurance shall include the following checked types of insurance and indicated minimum policy limits.

Type of Insurance

Limits of Liability

GENERAL LIABILITY:

Minimum \$1,000,000 Per Occurrence and
\$2,000,000 Per Aggregate

* Policy to be written on a claims incurred basis

XX_ comprehensive form	bodily injury and property damage
XX_ premises - operations	bodily injury and property damage
___ explosion & collapse hazard	
___ underground hazard	
XX_ products/completed operations hazard	bodily injury and property damage combined
XX_ contractual insurance	bodily injury and property damage combined
XX_ broad form property damage	bodily injury and property damage combined
XX_ independent contractors	personal injury
XX_ personal injury	
___ CG2010	ongoing operations (or its' equivalent)
___ CG 2037	completed operations (or its' equivalent)
___ sexual abuse/molestation	Minimum \$1,000,000 Per Occurrence and Aggregate

AUTOMOBILE LIABILITY:

☒ Minimum \$1,000,000 Per Occurrence and Aggregate.
Bodily injury (each person) bodily injury (each accident),
property damage, bodily injury and property damage
combined.

XX comprehensive form	<input type="checkbox"/> Minimum \$10,000/\$20,000/\$10,000
XX owned	(Florida's Minimum Coverage)
XX hired	
XX non-owned	

Please note that Florida Statue Section 255.05 requires contractors who enter into a contract with the City to purchase a payment and performance bond when the contract is in excess of \$200,000.

REAL & PERSONAL PROPERTY

___ comprehensive form Agent must show proof they have this coverage.

EXCESS LIABILITY

Per Occurrence Aggregate

___ umbrella (Drop Down). bodily injury and \$1,000,000 \$1,000,000
property damage combined

ENVIRONMENTAL/POLLUTION LIABILITY

Per Occurrence Aggregate

* Policy to be written on a claims made basis \$1,000,000 \$1,000,000

CONTRACTOR is required to provide Environmental/Pollution Liability for damage(s) caused by hazardous waste material.

PROFESSIONAL LIABILITY

Per Occurrence Aggregate

__XX__ * Policy to be written on a claims made basis \$1,000,000 \$1,000,000

CONTRACTOR is required to provide Professional Liability if engineering and design is used.

CYBER LIABILITY

Per Occurrence Aggregate

___ * Policy to be written on a claims made basis \$1,000,000 \$1,000,000

___ Network Security / Privacy Liability
 ___ Breach Response / Notification Sublimit (minimum limit of 50% of policy aggregate)
 ___ Technology Products E&O - \$1,000,000 (only applicable for vendors supplying technology related services and or products)
 ___ Coverage shall be maintained in effect during the period of the Agreement and for not less than four (4) years after termination/ completion of the Agreement.

CRIME LIABILITY

Per Occurrence Aggregate

___ * Policy to be written on a claims made basis \$1,000,000 \$1,000,000

(3) If Professional Liability insurance is required, Contractor agrees the indemnification and hold harmless provisions of Section 12 of the Agreement shall survive the termination or expiration of the Agreement for a period of three (3) years unless terminated sooner by the applicable statute of limitations.

C. Employer's Liability. CONTRACTOR and all subcontractors shall, for the benefit of their employees, provide, carry, maintain and pay for Employer's Liability Insurance in the minimum amount of One Hundred Thousand Dollars (\$100,000.00) per employee, Five Hundred Thousand Dollars (\$500,000) per aggregate.

D. Policies: Whenever, under the provisions of this Agreement, insurance is required of the CONTRACTOR, the CONTRACTOR shall promptly provide the following:

- (1) Certificates of Insurance evidencing the required coverage;
- (2) Names and addresses of companies providing coverage;
- (3) Effective and expiration dates of policies; and
- (4) A provision in all policies affording CITY thirty (30) days written notice by a carrier of any cancellation or material change in any policy.

E. Insurance Cancellation or Modification. Should any of the required insurance policies be canceled before the expiration date, or modified or substantially modified, the issuing company shall provide thirty (30) days written notice to the CITY.

F. Waiver of Subrogation. CONTRACTOR hereby waives any and all right of subrogation against the CITY, its officers, employees and agents for each required policy. When required by the insurer, or should a policy condition not permit an insured to enter into a pre-loss agreement to waive subrogation without an endorsement, then CONTRACTOR shall notify the insurer and request the policy be endorsed with a Waiver of Transfer of Rights of Recovery Against Others, or its equivalent. This Waiver of Subrogation requirement shall not apply to any policy which includes a condition to the policy not specifically prohibiting such an endorsement, or voids coverage should CONTRACTOR enter into such an agreement on a pre-loss basis.

Please note that Florida Statue Section 255.05 requires contractors who enter into a contract with the City to purchase a payment and performance bond when the contract is in excess of \$200,000.

ACORDTM**CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY)

7/16/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION** IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer any rights to the certificate holder in lieu of such endorsement(s).

PRODUCER USI Southwest 9811 Katy Freeway, Suite 500 Houston, TX 77024 713 490-4600		CONTACT NAME: Jesus Quiroga PHONE (A/C, No, Ext): 713 490-4600 E-MAIL ADDRESS: Jesus.Quiroga@usi.com FAX (A/C, No): 713-490-4700																						
INSURED Aptim Holding Corp. 1200 Brickyard Ln Suite 202 Baton Rouge, LA 70802		<table border="1"> <thead> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A :</td> <td>Starr Surplus Lines Insurance Company</td> <td>13604</td> </tr> <tr> <td>INSURER B :</td> <td>Starr Indemnity and Liability Company</td> <td>38318</td> </tr> <tr> <td>INSURER C :</td> <td>Allianz Underwriters Insurance Company</td> <td>36420</td> </tr> <tr> <td>INSURER D :</td> <td>Indian Harbor Insurance Company</td> <td>36940</td> </tr> <tr> <td>INSURER E :</td> <td></td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> <td></td> </tr> </tbody> </table>		INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A :	Starr Surplus Lines Insurance Company	13604	INSURER B :	Starr Indemnity and Liability Company	38318	INSURER C :	Allianz Underwriters Insurance Company	36420	INSURER D :	Indian Harbor Insurance Company	36940	INSURER E :			INSURER F :		
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INSURER F :																								

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**


THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:	Y	Y	1000090589251	06/30/2025	06/30/2026	EACH OCCURRENCE \$2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$50,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$2,000,000 GENERAL AGGREGATE \$4,000,000 PRODUCTS - COMP/OP AGG \$4,000,000 \$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y	1000635746251	06/30/2025	06/30/2026	COMBINED SINGLE LIMIT (Ea accident) \$5,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB OCCUR CLAIMS-MADE DED RETENTION \$	Y	Y	1000095268251	06/30/2025	06/30/2026	EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE/OFFICER/MEMBER EXCLUDED? <input checked="" type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y	1000004242	06/30/2025	06/30/2026	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
C	Pollution-Co			USL02887225	06/30/2025	06/30/2026	10,000,000 Per Occ/Agg
D	Professional			CEO744642308	06/30/2025	06/30/2026	10,000,000 Each Claim

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Certificate Holder is included as Additional Insured (except as respects coverage afforded by the Workers Compensation) and is granted a Waiver of Subrogation as required by written contract, but only for liability arising out of the Operations of the Named Insured. This insurance certified herein will apply as Primary and Non-Contributory as required by written contract. No policy will permit carrier cancellation without thirty (30) days prior written notice to the Certificate Holder.
(See Attached Descriptions)

CERTIFICATE HOLDER**CANCELLATION**

City of Pompano Beach 100 W. Atlantic Blvd Pompano Beach, FL 33060	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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DESCRIPTIONS (Continued from Page 1)

*****Schedule of Named Insureds*****

AELS Administrative Services, LLC
AM Acquisition LLC
Aptim (Thailand) Limited
Aptim AECOM Decommissioning, LLC
Aptim Canada Acquisition LLC
Aptim Chile Intermediary LLC
Aptim Coastal Planning & Engineering, LLC
Aptim Coastal, Inc.
Aptim Connecticut, Inc.
Aptim Constructors LLC
Aptim Corp.
Aptim Engineering New York, P.C.
Aptim Engineering of North Carolina, P.C.
Aptim Engineering Puerto Rico, LLC
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