

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: December 21, 2021 Consent [X] Regular []
Public Hearing []

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 4 to the Contract for Consulting/Professional Services Emergency and Disaster Mitigation and Recovery (Contract) with Calvin Giordano & Associates, Inc. (CGA) for the Water Treatment Plant (WTP) No. 3 and Southern Region Operation Center (SROC) Hurricane Hardening (Project) for a not to exceed amount of \$377,500.00.

Summary: On June 20, 2017, the Board of County Commissioners approved the Palm Beach County Water Utilities Department (PBCWUD) Contract (R2017-0821) with CGA. CSA No. 4 provides for consulting/professional engineering services and related services for hurricane hardening evaluation and recommendations at WTP No. 3 and SROC. This Contract was procured under the requirements of the 2002 Small Business Enterprise (SBE) Ordinance (R2002-0064) prior to the adoption of the new Equal Business Opportunity Ordinance on October 16, 2018. The SBE participation goal established under the 2002 Ordinance was 15% overall participation. The Contract provides for 41% SBE participation. CSA No. 4 includes 58.65% SBE participation. The cumulative SBE participation including CSA No. 4 is 56.56%. CGA is headquartered in Fort Lauderdale, Florida but maintains an office in Palm Beach County from which the majority of the work under CSA No. 4 will be undertaken. The Project is included in the PBCWUD FY22 budget (PBCWUD Project No. 21-069) District 5 (MJ)

Background and Justification: PBCWUD owns, operates, and maintains five (5) water treatment plants, including WTP No. 3 and SROC. The purpose of this Project is to evaluate the facilities at WTP No. 3 and SROC against the latest edition of the Florida Building Code wind loading criteria. The Project will also provide recommendations and prepare a cost estimate for planning purposes for facilities in need of hurricane hardening. Implementation of the hurricane hardening recommendations will improve life safety of PBCWUD personnel and reliability of production and distribution of potable water during hurricane events.

Attachments:

- 1. Two (2) Originals of Consultant Services Authorization No. 4
- 2. Location Map
- 3. Certificate of Liability Insurance

Recommended By: Ali Bayat 11/24/21
Department Director Date

Approved By: Lee J. Blum 12/10/21
Assistant County Administrator Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2022	2023	2024	2025	2026
Capital Expenditures	<u>\$377,500</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Operating Costs	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
External Revenues	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Program Income (County)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
In-Kind Match County	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
NET FISCAL IMPACT	<u><u>\$377,500</u></u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Budget Account No.: Fund 4001 Dept 720 Unit 2410 Object 4615

Is Item Included in Current Budget? Yes **X** No

Does this item include the use of federal funds? Yes _____ No X

Reporting Category **N/A**

B. Recommended Sources of Funds/Summary of Fiscal Impact:

One (1) time expenditure from user fees, connection fees, and balance brought forward.

C. Department Fiscal Review: See Eater for RM


III. REVIEW COMMENTS

A. OFMB Fiscal and/or Contract Development and Control Comments:

Love Muntz 11/29/21
OFMB 11-29-21
MG 11/29/21

[Signature] 12/9/20
Contract Development and Control
[Signature] 12-8-21 TW

B. Legal Sufficiency:

 12/10/21 for M. Jones
Assistant County Attorney

C. Other Department Review:

Department Director

This summary is not to be used as a basis for payment.

CONSULTANT SERVICES AUTHORIZATION NO. 4
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Emergency and Disaster Mitigation and Recovery Engineering Services
Resolution No. R2017-0821 Contract Dated 06-20-2017

Project Title: Water Treatment Plant No. 3 and SROC Hurricane Hardening

PBCWUD Project No.: 21-069

Consultant: Calvin, Giordano & Associates, Inc.

Address: Village Blvd Suite 325 West Palm Beach Florida, 33409

Budget Line Item No.: 4001-720-2410-4615

District No.: 5

This Consultant Services Authorization provides for: Evaluation of selected buildings/structures located at Water Treatment Plant (WTP) No. 3 and Southern Region Operations Center (SROC) against the current wind loading criteria as set forth in the Florida Building Code, and to make recommended improvements as needed to bring selected structures into compliance with current wind loading criteria. In addition, research available design and permit information for all existing structures at WTP No. 3 and SROC to determine wind loading criteria design basis for each structure.

(See **ATTACHMENT A** for detailed scope of services)

The Contract provides for 41% SBE participation. This Consultant Services Authorization includes 58.65% overall participation which includes, 58.65% M/WBE participation, 58.65% MBE (A). The cumulative SBE participation, including this Consultant Services Authorization is 56.56%, which includes 56.56% M/WBE participation, 56.56% MBE (A).

1. Services completed by the Consultant to date :
See ATTACHMENT B.
2. Consultant shall begin work upon receipt of Notice to Proceed correspondence.
3. The compensation to be paid to the Consultant for providing the requested services shall be:
 - A. Computation of time charges plus expenses, not to exceed \$ 377,500.00
 - B. Fixed price of \$ Not Applicable
 - C. Total \$ 377,500.00
4. This Authorization may be terminated by the County without cause or prior notice. In the event of termination not the fault of the Consultant, the Consultant shall be compensated for all services performed through the date of termination, together with reimbursable expenses (if applicable) then due.

CONSULTANT SERVICES AUTHORIZATION NO. 4
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Emergency and Disaster Mitigation and Recovery Engineering Services
Resolution No. R2017-0821 Contract Dated 06-20-2017

Project Title: Water Treatment Plant No. 3 and SROC Hurricane Hardening

PBCWUD Project No.: 21-069

5. SBE participation is included in **ATTACHMENT C** under this Authorization. The attached Schedule 1 defines the SBE applied to this Authorization and Schedule 2 establishes the SBE contribution from each Sub-Consultant (Letter of Intent).
6. This Authorization does not amend, change, or modify the Contract dated June 20, 2017, which remains in full force and effect.
7. All Attachments to this Authorization are incorporated herein and made a part of this Consultant Services Authorization.

CONSULTANT SERVICES AUTHORIZATION NO. 4
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Emergency and Disaster Mitigation and Recovery Engineering Services
Resolution No. R2017-0821 Contract Dated 06-20-2017

Project Title: Water Treatment Plant No. 3 and SROC Hurricane Hardening

PBCWUD Project No.: 21-069

IN WITNESS WHEREOF, this Authorization is accepted, subject to the terms, conditions and obligations of the aforementioned Contract.

PALM BEACH COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

Joseph Abruzzo, Clerk of the Circuit Court
& Comptroller, Palm Beach County

Palm Beach County, Board
of County Commissioners

ATTEST:

Signed: _____

Signed: _____
Robert S. Weinroth, Mayor 24
A13

Typed Name: _____
Deputy Clerk

(Date)

Approved as to Form and Legal
Sufficiency

CONSULTANT: Calvin, Giordano & Associates, Inc.

Signed: _____

[Signature]
(Signature)

Typed Name: Michael W. Jones
County Attorney

Chris Giordano, President
(Name and Title)

10/28/21
(Date)

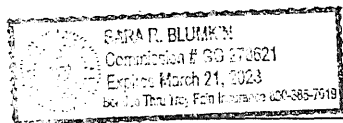
STATE OF FLORIDA

COUNTY OF Broward

The foregoing instrument was acknowledged before me by means of ☒ physical presence or ☐ online notarization,

this 28 day of October, 2021, by Chris Giordano who is ☒ personally

known to me or ☐ has produced _____ as identification.



Sara R. Blumkin
(Signature of Notary Public - State of Florida)

(Print, Type, or Stamp Commissioned Name of Notary Public)

CONSULTANT SERVICES AUTHORIZATION NO. 4
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services
Emergency and Disaster Mitigation and Recovery Engineering Services
Resolution No. R2017-0821 Contract Dated 06-20-2017

LIST OF ATTACHMENTS

ATTACHMENT A	Scope of Services
ATTACHMENT B	Summary and Status of Consultant Services Authorizations
ATTACHMENT C	OEBO Schedules 1 and 2
ATTACHMENT D	Project Schedule
ATTACHMENT E	Budget Summary
ATTACHMENT F	Summary of SBE-M/WBE Business Tracking
ATTACHMENT G	Location Map

ATTACHMENT A

SCOPE OF SERVICES

PBCWUD Project No.: 21-069

Project Title: Water Treatment Plant No. 3 and SROC Hurricane Hardening

CONSULTANT (Calvin, Giordano & Associates, Inc.) shall perform:

Scope of Services

Background

The Water Treatment Plant (WTP) No. 3 and Southern Region Operations Center (SROC) are facilities owned and operated by Palm Beach County Water Utilities Department (PBCWUD). Improvements to the Florida Building Code (FBC), particularly with respect to wind loading have been made. PBCWUD has requested Calvin, Giordano & Associates, Inc. (CGA) to provide a structural evaluation of a total of ten (10) selected structures at the WTP No. 3 and SROC. Although WTP No. 3 consists of thirteen (13) structures and SROC consists of fourteen (14) structures, this scope of work for the structural evaluation is limited to a total of ten (10) initial structures that are considered to have the highest priority uses. The aim of the evaluation is to determine whether the selected structures comply with current wind load criteria as set forth in the latest version of the FBC. If the structures are found to be deficient, remedial work will be recommended to bring the structures into compliance. CGA will prepare a technical memorandum (TM) including the results, findings, and recommended remedial work resulting from the evaluation.

Project Scope

The evaluation will include the following major tasks:

1. Research designed/permitted information available on the existing structures at WTP No. 3 and SROC, as listed below. The research of the available information assumes PBCWUD will provide all the required documentation, including record drawings, specifications, calculations, and Building Department permits.
 - a. WTP No. 3
 1. Chemical Building next to Sodium Hypo Tanks
 2. Cleaning Building
 3. Clearwell 1 Building
 4. Electrical/Generator Building
 5. High Service Pump Building
 6. Operations/Membrane Building
 7. Transfer Pump Building
 8. Sodium Hypo Tanks Area
 9. Caustic Storage Area
 10. Acid Storage Area
 11. Fluoride System Area
 12. Odor Control System Area
 13. Degasifiers System Area

- b. SROC
 - 1. Deep Injection Well Electrical Building
 - 2. Deep Injection Well Generator Enclosure
 - 3. Fueling Station
 - 4. Fleet Management Building
 - 5. Laboratory Building
 - 6. Mezzanine Storage A
 - 7. Mezzanine Storage B
 - 8. Mini Storage Building A
 - 9. Mini Storage Building B
 - 10. Shop Building No.1 – Pump/Welding
 - 11. Shop Building No. 2 – Instrument/Meter
 - 12. Warehouse Building
 - 2. Conduct a visual condition assessment of the existing exterior envelope of the following ten (10) selected structures. This will include performing 3D scanning to document the conditions of the exterior envelope.
 - a. WTP No. 3
 - 1. Operations/Membrane Building
 - 2. High Service Pump Building
 - 3. Electrical/Generator Building
 - 4. Cleaning Building
 - 5. Chemical Building next to Sodium Hypo Tanks
 - 6. Clearwell 1 Building
 - 7. Transfer Pump Building
 - b. SROC
 - 1. Deep Injection Well Electrical Building
 - 2. Laboratory Building
 - 3. Warehouse Building
- Evaluation of the existing structural exterior components using the current live, dead, and wind load criteria as detailed in the FBC for the selected aforementioned structures.
- 3. As required, perform nondestructive tests on the exterior envelope of the selected structures to identify the presence of masonry grout columns and steel reinforcing.
 - 4. Identify and provide recommendations of the areas that may require improvements to comply with current live, dead, and wind load criteria in accordance with the FBC. Provide planning level cost estimates with technical descriptions and sketches of each area of the selected aforementioned structures that will require remedial work.

The scope of professional services to be provided and associated fees are detailed herein. CGA shall execute Professional Services Agreements (PSAs) with Lakdas/Yohalem Engineering, Inc. (LYE) and RADISE International, L.C. (RADISE) to assist with the structural evaluation of the exterior envelope of the structures. CGA understands time is of the essence, and shall make

every effort to perform this work in an expeditious manner, whenever possible. The specific work to be completed under each task is detailed below.

Task 1 - Due Diligence

CGA shall perform due diligence to obtain the required information to complete the evaluation. These services shall include:

- 1.1. Data Collection – The following record documents will be obtained and utilized by the CONSULTANT for execution of this project: record drawings, specifications, calculations, permits including Building Department permits, emergency work documentation and other relevant PBCWUD documents. The CONSULTANT shall make site visits to collect field information as needed for execution of the project including taking pictures as well as to collect any other needed field information. It shall be the responsibility of the CONSULTANT to research and identify all plant improvement projects and to request in writing the corresponding documents needed to execute the project that PBCWUD is responsible for providing.
- 1.2. Site Visits - Conduct a visual structural condition assessment of the exterior of the ten (10) selected structures at WTP No. 3 and SROC. This assessment shall identify structural defects such as corrosion, fatigue or structural damage by accidental actions. While onsite for the visual structural condition assessment of the exterior of the ten (10) selected structures at WTP No. 3 and SROC, obtain photographs of the existing structures that are not included in the structural evaluation.
- 1.3. Review Record Documents – Review of record documents as necessary to perform the work of this project. Review the record drawings of the ten (10) selected structures and identify the critical structure members based on the structure elevation and plan view drawings. Evaluate and analyze the exterior envelope of each structure for lateral wind load requirements per American Society of Civil Engineers (ASCE) 7-15 latest edition and 186 miles per hour (MPH) set by the PBCWUD. Review the record documents for the fifteen (15) structures/facilities to document in the Technical Memorandum (TM).
- 1.4. Survey - Utilize a Leica C10 High Resolution 3 Dimensional (3D) scanner to obtain as-built information for the ten (10) selected structures at WTP No. 3 and SROC. Compile multiple scans around the perimeter of each structure with sufficient overlap for data processing and quality control with redundancy. Process individual data point clouds through 3D scanner software to create a spatially precise as-built of each structure and export into an AutoCAD drawing file structure.
- 1.5. Structural Investigation - Based on the visual assessment (Task 1, Item 2) and detailed evaluation and analysis (Task 1, Item 3), determine if nondestructive testing will be needed. If so, CGA will indicate the location, type, and number of tests required prior to commencement of such field testing.
- 1.6. Prepare Summary of Findings - Prepare a presentation with the findings of the due diligence task, including recommendation of structural elements that require nondestructive testing. After presenting the due diligence findings and detailed evaluation, CGA will discuss with PBCWUD how to proceed with the fieldwork evaluation and technical memorandum. Prioritization of the ten (10) structures will be performed based on use, criticality, and resilience. This will be performed with the use of a weighted scoring to be discussed with PBCWUD. A total of one (1) meeting is assumed for this prioritization.
- 1.7. Meeting with PBCWUD - Prepare for and attend one (1) meeting with PBCWUD staff to discuss the findings of the Due Diligence Task.

Deliverables

- Presentation with approach, findings, and recommendations
- Meeting agendas and minutes

Task 2 - Field Evaluation

CGA shall conduct an assessment to evaluate the current condition and compliance with the current live, dead, and wind load criteria. These services shall include:

- 2.1. Field Coordination - Coordinate and participate in the necessary site visits with subconsultants and PBCWUD.
- 2.2. Non-Destructive Test - If necessary, performance of nondestructive testing on the designated structural elements of the ten (10) selected structures as indicated by the Structural Engineer. The type of test will be determined by the Structural Engineer.
- 2.3. Structural Field Evaluation - Based on the previously performed evaluations, CGA will determine if the results of the tested areas conform to the live, dead, and wind load criteria.
- 2.4. Prepare Summary of Findings - Prepare a presentation with the findings and results of the Field Evaluation Task. A total of one (1) meeting is assumed for this task.
- 2.5. Meeting with PBCWUD - Prepare for and attend one (1) meeting with PBCWUD staff to discuss the findings and results of the Field Evaluation Task.

Deliverables

- Presentation with findings
- Meeting agendas and minutes

Task 3 - Preparation of Technical Memorandum

CGA will prepare a TM providing a compilation of the findings and preliminary recommendations of the structures to be improved to withstand current wind load requirements. The TM will also provide a preliminary cost estimate (Class 5, 0-2% project definition) for the proposed preliminary recommendations. The services under this task will include the following:

- 3.1. Compile all data/investigation results - Compile all data related to the results of the investigation performed.
- 3.2. Prepare TM - Prepare a TM to include the assessment findings of the thirteen (13) structures at WTP 3 and twelve (12) structures at SROC and preliminary recommendations related to improving the existing selected ten (10) structures, and associated preliminary cost estimate. A total of one (1) meeting is assumed for this task.
- 3.3. Meeting with PBCWUD - Coordinate and participate in the discussion meeting with PBCWUD to discuss the TM.

Deliverables

- Electronic copy (Portable Document Format (pdf) and four (4) hard copies of the TM.
- Meeting agendas and minutes.

CGA Assumptions:

The following assumptions were the basis for the preparation of this proposal:

- The scope of work considers only the structural evaluation Operations/Membrane Building, High Service Pump Building, Electrical/Generator Building, Cleaning Building, Chemical Building next to Sodium Hypo Tanks, Clearwell 1 Building and

Transfer Pump Building at WTP 3 and the Deep Injection Well Electrical Building, Laboratory Building and Warehouse Building at SROC.

- The research of designed/permitted information of the Operations Center Building and Portable Generator Building at SROC are not included in the scope of work.
- Topographical survey, geotechnical investigation nor detailed design are included in CGA tasks.
- The number of nondestructive tests will be determined by the Structural Engineer after completing the initial evaluation of the ten (10) selected structures.
- The research of the available information assumes PBCWUD will provide all the required documentation, including record drawings, specifications, calculations, and Building Department permits.

ATTACHMENT B

SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

[illegible]

ATTACHMENT C

OEBO SCHEDULE 1

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

SOLICITATION/PROJECT/BID NAME: Water Treatment Plant No. 3 and SROC Hurricane Hardening

NAME OF PRIME RESPONDENT/BIDDER: Calvin Giordano & Associates, Inc.

CONTACT PERSON: David Stambaugh

SOLICITATION OPENING/SUBMITTAL DATE: _____

SOLICITATION/PROJECT/BID No.: WUD 21-069

ADDRESS: 580 Village Blvd, Suite 325, West Palm Beach, FL 33409

PHONE NO.: (561) 684-6161 **E-MAIL:** ds:arnbaugh@cgsolutions.com

DEPARTMENT: Water Utilities Department

PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME CONTRACTOR/CONSULTANT ON THIS PROJECT.
PLEASE ALSO LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SUBCONTRACTORS/SUBCONSULTANTS ON THE PROJECT.

Name, Address and Phone Number	(Check all Applicable Categories)			DOLLAR AMOUNT OR PERCENTAGE OF WORK				
	Non-SBE	M/WBE	SBE					
	Minority/Women Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)	
1. Calvin Giordano & Associates, Inc. 580 Village Blvd, Suite 325, West Palm Beach, FL 33409; (561) 684-6161	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	\$156,060.00 _____
2. Lakdas/Yohalem Engineering, Inc. 2211 NE 54th Street Fort Lauderdale, FL 33308; (954) 771-0630	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	\$171,510.00 Asian _____
3. RADISE International, L.C. 4152 West Blue Heron Blvd, Suite 1114 Riviera Beach, FL 33404; (561) 841-0103	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	_____	_____	_____	_____	\$49,930.00 Asian _____
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
(Please use additional sheets if necessary)								
								\$377,500.00 _____
Total Bid Price \$	\$377,500.00			Total	_____	_____	_____	
				Total SBE - M/WBE Participation	\$231,440 (58.65%)			

I hereby certify that the above information is accurate to the best of my knowledge:

Signature **Chris Giordano**

President

Title

Note:

1. The amount listed on this form for a Subcontractor/subconsultant must be supported by price or percentage listed on the properly executed Schedule 2 or attached signed proposal.
2. Firms may be certified by Palm Beach County as an SBE and/or an M/WBE. If firms are certified as both an SBE and/or M/WBE, please indicate the dollar amount under the appropriate category.
3. Modification of this form is not permitted and will be rejected upon submittal.

ATTACHMENT C

OEBO SCHEDULE 2

Revised 04/26/2021

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: WUD 21-069

SOLICITATION/PROJECT NAME: Water Treatment Plant No. 3 and SROC Hurricane Hardening

Prime Contractor: Calvin Giordano & Associates, Inc. Subcontractor: Lakdas/Yohalem Engineering, Inc.

(Check box(s) that apply)

☒SBE ☐WBE ☒MBE ☐M/WBE ☐Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 10/29/2019 - 10/28/2022

The undersigned affirms they are the following (select one from each column if applicable):

Column 1	Column 2	Column 3
<input checked="" type="checkbox"/> Male <input type="checkbox"/> Female	<input type="checkbox"/> African-American/Black <input checked="" type="checkbox"/> Asian American <input type="checkbox"/> Caucasian American	<input type="checkbox"/> Supplier
	<input type="checkbox"/> Hispanic American <input type="checkbox"/> Native American	

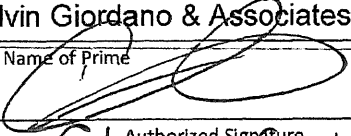
S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

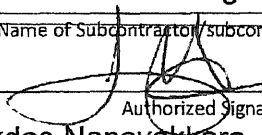
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Due Diligence	1	LS	-	\$81,810.00
2	Field Investigation	1	LS	-	\$57,560.00
3	Preparation of Technical Memorandum	1	LS	-	\$32,140.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$171,510.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

<u>N/A</u>	Price or Percentage: <u>N/A</u>
Name of 2 nd /3 rd tier Subcontractor/subconsultant	

Calvin Giordano & Associates, Inc.
Print Name of Prime
By: 
Authorized Signature
Chris Giordano
Print Name
Vice President
Title
Date: 10/28/21

Lakdas/Yohalem Engineering, Inc.
Print Name of Subcontractor/subconsultant
By: 
Authorized Signature
Lakdas Nanayakkara, PE
Print Name
President
Title
Date: 10/27/21

OEBO LETTER OF INTENT – SCHEDULE 2

A completed Schedule 2 is a binding document between the Prime Contractor/consultant and a Subcontractor/subconsultant (for any tier) and should be treated as such. The Schedule 2 shall contain bolded language indicating that by signing the Schedule 2, both parties recognize this Schedule as a binding document. All Subcontractors/subconsultants, including any tiered Subcontractors/subconsultants, must properly execute this document. Each properly executed Schedule 2 must be submitted with the bid/proposal.

SOLICITATION/PROJECT NUMBER: WUD 21-069
SOLICITATION/PROJECT NAME: Water Treatment Plant No. 3 and SROC Hurricane Hardening

Prime Contractor: Calvin Giordano & Associates, Inc. Subcontractor: Radise International, L.C.

(Check box(s) that apply)

☒ SBE ☐ WBE ☒ MBE ☐ M/WBE ☐ Non-S/M/WBE Date of Palm Beach County Certification (if applicable): 11/1/2014 - 10/31/17

The undersigned affirms they are the following (select one from each column if applicable):

Column 1

Column 2

Column 3

☐ Male ☒ Female ☐ African-American/Black ☒ Asian American ☐ Caucasian American ☐ Supplier
☐ Hispanic American ☐ Native American

S/M/WBE PARTICIPATION – S/M/WBE Primes must document all work to be performed by their own work force on this form. Failure to submit a properly executed Schedule 2 for any S/M/WBE participation may result in that participation not being counted. Specify in detail, the scope of work to be performed or items supplied with the dollar amount and/or percentage for each work item. S/M/WBE credit will only be given for the areas in which the S/M/WBE is certified. A detailed proposal may be attached to a properly executed Schedule 2.

Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Due Diligence	-	-	-	-
2	Field Investigation	1	LS	-	\$47,765.00
3	Preparation of Technical Memorandum	1	LS	-	\$2,165.00

The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$49,930.00

If the undersigned intends to subcontract any portion of this work to another Subcontractor/subconsultant, please list the business name and the amount below accompanied by a separate properly executed Schedule 2.

N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Price or Percentage: N/A

Calvin Giordano & Associates, Inc.

Print Name of Prime

By:

Authorized Signature

Print Name

Vice President

Title

Date:

10/28/21

Radise International, L.C.

Print Name of Subcontractor/subconsultant

By:

Authorized Signature

Print Name

Vice President

Title

Date:

10/28/21

Revised 09/17/2019

ATTACHMENT D

PROJECT SCHEDULE

The completion dates for this work will be as follows (starting from CONSULTANT'S receipt of Notice-to-Proceed).

<u>Engineering Services</u>	<u>Completion Date from Notice to Proceed</u>
Task 1 – Due Diligence	134 days
Task 2 – Field Evaluation	207 days
Task 3 – Preparation of Technical Memorandum	277 days

Revised 04/26/2021

ATTACHMENT E
BUDGET SUMMARY

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services for Emergency and Disaster Mitigation and Recovery Engineering Services
Resolution No. R2017-0821 Contract Dated 06-20-2017
Consultant Services Authorization: 4
Consultant: Calvin Giordano & Associates, Inc.
Project Title: Water Treatment Plant No. 3 and SROC Hurricane Hardening
PBCWUD Project No.: 21-069

BUDGET SUMMARY											
Task Number	Task Description	Director	Project Manager IV	Engineer II	Sr Registered Surveyor	Survey Crew	CADD Technician	PRIME TOTALS			
								Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate RANGE from MASTER EXHIBIT C	\$ 58.33	\$ 50.00	\$ 36.67	\$ 48.33	\$ 45.00	\$ 31.67				
	Raw Rate >	\$ 58.33	\$ 50.00	\$ 36.67	\$ 48.33	\$ 45.00	\$ 31.67				
	Multiplier >	3	3	3	3	3	3				
	Bill Rate >	\$ 175.00	\$ 150.00	\$ 110.00	\$ 145.00	\$ 135.00	\$ 95.00				
TASK 1	DUE DILIGENCE										
	Subtask 1.1 - DATA COLLECTION	5.25	71					76.25	\$ 11,568.75	\$ -	\$ 11,568.75
	Subtask 1.2 - SITE VISITS	0	33					33	\$ 4,950.00	\$ -	\$ 4,950.00
	Subtask 1.3 - REVIEW RECORD DOCUMENTS	0	62					62	\$ 9,300.00	\$ -	\$ 9,300.00
	Subtask 1.4 - SURVEY	0	36		20	168	448	672	\$ 73,540.00	\$ -	\$ 73,540.00
	Subtask 1.5 - STRUCTURAL INVESTIGATION	0	15					15	\$ 2,250.00	\$ -	\$ 2,250.00
	Subtask 1.6 - PREPARE SUMMARY OF FINDINGS	5.25	27					32.25	\$ 4,968.75	\$ -	\$ 4,968.75
	Subtask 1.7 - MEETING WITH PBCWUD	10	10					20	\$ 3,250.00	\$ -	\$ 3,250.00
	Task 1 - Subtotal	20.5	254	0	20	168	448	910.5	\$ 109,827.50	\$ -	\$ 109,827.50
TASK 2	FIELD EVALUATION										
	Subtask 2.1 - FIELD COORDINATION	0	30	0				30	\$ 4,500.00	\$ -	\$ 4,500.00
	Subtask 2.2 - NONDESTRUCTIVE TEST	0	22	47				69	\$ 8,470.00	\$ -	\$ 8,470.00
	Subtask 2.3 - STRUCTURAL FIELD EVALUATION	0	33	0				33	\$ 4,950.00	\$ -	\$ 4,950.00
	Subtask 2.4 - PREPARE SUMMARY OF FINDINGS	5	31	0				36	\$ 5,525.00	\$ -	\$ 5,525.00
	Subtask 2.5 - MEETING WITH PBCWUD	10	20	0				30	\$ 4,750.00	\$ -	\$ 4,750.00
	Task 2 - Subtotal	15	136	47	0	0	0	198	\$ 28,195.00	\$ -	\$ 28,195.00
TASK 3	PREPARATION OF TECHNICAL MEMORANDUM										
	Subtask 3.1 - COMPILE ALL DATA/INVESTIGATION RESULTS	10	44					54	\$ 8,350.00	\$ -	\$ 8,350.00
	Subtask 3.2 - PREPARE TM	2.5	30					32.5	\$ 4,937.50	\$ -	\$ 4,937.50
	Subtask 3.3 - MEETING WITH PBCWUD	10	20					30	\$ 4,750.00	\$ -	\$ 4,750.00
	Task 3 - Subtotal	22.5	94	0	0	0	0	116.5	\$ 18,037.50	\$ -	\$ 18,037.50
	Total Task 1-3	58	484	47	20	168	448	1225	\$ 156,060.00	\$ -	\$ 156,060.00
	Labor Subtotal Hours	58	484	47	20	168	448	1225			
	Labor Raw Costs	\$ 3,383.33	\$ 24,200.00	\$ 1,723.33	\$ 966.67	\$ 7,560.00	\$ 14,186.67		\$ 52,020.00		
	Labor Subtotal (Bill Rate * Labor Subtotal Hours)	\$ 10,150.00	\$ 72,600.00	\$ 5,170.00	\$ 2,900.00	\$ 22,680.00	\$ 42,560.00		\$ 156,060.00		
	PROJECT TOTAL							1225	\$ 156,060.00	\$ -	\$ 156,060.00
	Labor distribution by category (hours basis)	4.73%	39.51%	3.84%	1.63%	13.71%	36.57%	1225	\$ 156,060.00	check	\$ 156,060.00
	Labor distribution by category (\$ basis)	6.50%	46.52%	3.31%	1.86%	14.53%	27.27%				
	Top 5 categories (hours basis)	49.71%									
	Top 5 categories (dollars basis)	58.20%									

ATTACHMENT E
BUDGET SUMMARY

Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services for Emergency and Disaster Mitigation and Recovery Engineering Services
Resolution No. R2017-0821 Contract Dated 06-20-2017
Consultant Services Authorization: 4
Consultant: Calvin Giordano & Associates, Inc.
Project Title: Water Treatment Plant No. 3 and SROC Hurricane Hardening
PBCWUD Project No.: 21-069

BUDGET SUMMARY - Lakdas/Yohalem Engineering, Inc.

Task Number	Task Description	Project Engineer	Engineer	SUBCONSULTANT TOTALS			
				Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate RANGE from MASTER EXHIBIT C						
	Raw Rate >						
	Multiplier >						
	Bill Rate >	\$ 145.00	\$ 120.00				
TASK 1	DUE DILIGENCE						
	Subtask 1.1 - DATA COLLECTION	14	15	29	\$ 3,830.00	\$ -	\$ 3,830.00
	Subtask 1.2 - SITE VISITS	46	108	154	\$ 19,630.00	\$ -	\$ 19,630.00
	Subtask 1.3 - REVIEW RECORD DOCUMENTS	36	86	122	\$ 15,540.00	\$ -	\$ 15,540.00
	Subtask 1.4 - SURVEY			0	\$ -	\$ -	\$ -
	Subtask 1.5 - STRUCTURAL INVESTIGATION	50	148		\$ 25,010.00	\$ -	\$ 25,010.00
	Subtask 1.6 - PREPARE SUMMARY OF FINDINGS	30	80	110	\$ 13,950.00	\$ -	\$ 13,950.00
	Subtask 1.7 - MEETING WITH PBCWUD	10	20	30	\$ 3,850.00	\$ -	\$ 3,850.00
	Task 1 - Subtotal	186	457	445	\$ 81,810.00	\$ -	\$ 81,810.00
TASK 2	FIELD EVALUATION						
	Subtask 2.1 - FIELD COORDINATION			0	\$ -	\$ -	\$ -
	Subtask 2.2 - NONDESTRUCTIVE TEST			0	\$ -	\$ -	\$ -
	Subtask 2.3 - STRUCTURAL FIELD EVALUATION	96	132	228	\$ 29,760.00	\$ -	\$ 29,760.00
	Subtask 2.4 - PREPARE SUMMARY OF FINDINGS	36	132	168	\$ 21,060.00	\$ -	\$ 21,060.00
	Subtask 2.5 - MEETING WITH PBCWUD	20	32	52	\$ 6,740.00	\$ -	\$ 6,740.00
	Task 2 - Subtotal	152	296	448	\$ 57,560.00	\$ -	\$ 57,560.00
TASK 3	PREPARATION OF TECHNICAL MEMORANDUM						
	Subtask 3.1 - COMPILE ALL DATA/INVESTIGATION RESULTS			0	\$ -	\$ -	\$ -
	Subtask 3.2 - PREPARE TM	60	150	210	\$ 26,700.00	\$ -	\$ 26,700.00
	Subtask 3.3 - MEETING WITH PBCWUD	16	26	42	\$ 5,440.00	\$ -	\$ 5,440.00
	Task 3 - Subtotal	76	176	252	\$ 32,140.00	\$ -	\$ 32,140.00
	Total Task 1-3	414	929	1145	\$ 171,510.00	\$ -	\$ 171,510.00
	Labor Subtotal Hours	414	929	1343			
	Labor Raw Costs	\$ -	\$ -		\$ -		
	Labor Subtotal (Bill Rate * Labor Subtotal Hours)	\$ 60,030.00	\$ 111,480.00		\$ 171,510.00		
	PROJECT TOTAL			1145	\$ 171,510.00	\$ -	
	Labor distribution by category (hours basis)	30.83%	69.17%	1343	\$ 171,510.00	check	\$ 171,510.00
	Labor distribution by category (\$ basis)	35.00%	65.00%				
	Top 5 categories (hours basis)	100.00%					
	Top 5 categories (dollars basis)	100.00%					

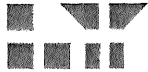
ATTACHMENT E BUDGET SUMMARY								
Palm Beach County Water Utilities Department Contract for Consulting/Professional Services for Emergency and Disaster Mitigation and Recovery Engineering Services Resolution No. <u> R2017-0821 </u> Contract Dated <u> 06-20-2017 </u> Consultant Services Authorization: <u>4 </u> Consultant: <u>Calvin Giordano & Associates, Inc.</u> Project Title: <u>Water Treatment Plant No. 3 and SROC Hurricane Hardening</u> PBCWUD Project No.: <u>21-069</u>								
BUDGET SUMMARY - RADISE International, L.C.								
Task Number	Task Description	Senior Engineer, PE (VII 2.)	Engineer (VII 2.)	Staff Engineer (VII 4.)	SUBCONSULTANT TOTALS			
					Total Hours	Total Labor	Total Expenses	Total Labor and Expenses
	Raw Rate RANGE from MASTER EXHIBIT C							
	Raw Rate >							
	Multiplier >							
	Bill Rate >	\$ 155.00	\$ 135.00	\$ 105.00				
TASK 1	DUE DILIGENCE							
	Subtask 1.1 - DATA COLLECTION				0	\$ -	\$ -	\$ -
	Subtask 1.2 - SITE VISITS				0	\$ -	\$ -	\$ -
	Subtask 1.3 - REVIEW RECORD DOCUMENTS				0	\$ -	\$ -	\$ -
	Subtask 1.4 - SURVEY				0	\$ -	\$ -	\$ -
	Subtask 1.5 - STRUCTURAL INVESTIGATION				0	\$ -	\$ -	\$ -
	Subtask 1.6 - PREPARE SUMMARY OF FINDINGS				0	\$ -	\$ -	\$ -
	Subtask 1.7 - MEETING WITH PBCWUD				0	\$ -	\$ -	\$ -
	Task 1 - Subtotal	0	0	0	0	\$ -	\$ -	\$ -
TASK 2	FIELD EVALUATION							
	Subtask 2.1 - FIELD COORDINATION				0	\$ -	\$ -	\$ -
	Subtask 2.2 - NONDESTRUCTIVE TEST	20	80	80	180	\$ 22,300.00	\$ 9,600.00	\$ 31,900.00
	Subtask 2.3 - STRUCTURAL FIELD EVALUATION				0	\$ -	\$ -	\$ -
	Subtask 2.4 - PREPARE SUMMARY OF FINDINGS	20	60	40	120	\$ 15,400.00	\$ -	\$ 15,400.00
	Subtask 2.5 - MEETING WITH PBCWUD	3			3	\$ 465.00	\$ -	\$ 465.00
	Task 2 - Subtotal	43	140	120	303	\$ 38,165.00	\$ 9,600.00	\$ 47,765.00
TASK 3	PREPARATION OF TECHNICAL MEMORANDUM							
	Subtask 3.1 - COMPILE ALL DATA/INVESTIGATION RESULTS				0	\$ -	\$ -	\$ -
	Subtask 3.2 - PREPARE TM	4	8		12	\$ 1,700.00	\$ -	\$ 1,700.00
	Subtask 3.3 - MEETING WITH PBCWUD	3			3	\$ 465.00	\$ -	\$ 465.00
	Task 3 - Subtotal	7	8	0	15	\$ 2,165.00	\$ -	\$ 2,165.00
	Total Task 1-3	50	148	120	318	\$ 40,330.00	\$ 9,600.00	\$ 49,930.00
	Labor Subtotal Hours	50	148		198			
	Labor Raw Costs	\$ -	\$ -			\$ -		
	Labor Subtotal (Bill Rate * Labor Subtotal Hours)	\$ 7,750.00	\$ 19,980.00			\$ 27,730.00		
	PROJECT TOTAL				318	\$ -	\$ 9,600.00	\$ 49,930.00
	Labor distribution by category (hours basis)	25.25%	74.75%		198	\$ 27,730.00	check	\$ 9,600.00
	Labor distribution by category (\$ basis)	27.95%	72.05%					
	Top 5 categories (hours basis)	100.00%						
	Top 5 categories (dollars basis)	100.00%						

Estimate of Work Effort and Cost
Prime Consultant

BUDGET SUMMARY

Palm Beach County Water Utilities Department				
Contract for Consulting/Professional Services for Emergency and Disaster Mitigation and Recovery Engineering Services				
Resolution No. <u>R2017-0821</u> Contract Dated <u>06-20-2017</u>				
Consultant Services Authorization: <u>4</u>				
Consultant: <u>Calvin Giordano & Associates, Inc.</u>				
Project Title: <u>Water Treatment Plant No. 3 and SROC Hurricane Hardening</u>				
PBCWUD Project No.: <u>21-069</u>				
RADISE Reimbursables		Projected Quantity	Unit Cost	Project Cost
Subtask 2.2 - NONDESTRUCTIVE TEST		Infrared Thermography and Structural Scanning Equipment	8	\$1,200.00
				\$9,600.00
PROJECT TOTAL				\$9,600.000

ATTACHMENT E					
BUDGET SUMMARY					
Palm Beach County Water Utilities Department					
Contract for Consulting/Professional Services for Emergency and Disaster Mitigation and Recovery Engineering Services					
Resolution No. R2017-0821 Contract Dated 06-20-2017					
Consultant Services Authorization: 4					
Consultant: Calvin Giordano & Associates, Inc.					
Project Title: Water Treatment Plant No. 3 and SROC Hurricane Hardening					
PBCWUD Project No.: 21-069					
BUDGET SUMMARY					
Task Number	Task Description	PRIME	SUBCONSULTANTS		Total
			Lakdas/Yohalem Engineering, Inc.	Radise International, L.C.	
	OEBO APPROVED AWARDED CATEGORY	Non-SBE	SBE	SBE	
TASK 1	DUE DILIGENCE				
	Subtask 1.1 - DATA COLLECTION	\$ 11,568.75	\$ 3,830.00	\$ -	\$ 15,398.75
	Subtask 1.2 - SITE VISITS	\$ 4,950.00	\$ 19,630.00	\$ -	\$ 24,580.00
	Subtask 1.3 - REVIEW RECORD DOCUMENTS	\$ 9,300.00	\$ 15,540.00	\$ -	\$ 24,840.00
	Subtask 1.4 - SURVEY	\$ 73,540.00	\$ -	\$ -	\$ 73,540.00
	Subtask 1.5 - STRUCTURAL INVESTIGATION	\$ 2,250.00	\$ 25,010.00	\$ -	\$ 27,260.00
	Subtask 1.6 - PREPARE SUMMARY OF FINDINGS	\$ 4,968.75	\$ 13,950.00	\$ -	\$ 18,918.75
	Subtask 1.7 - MEETING WITH PBCWUD	\$ 3,250.00	\$ 3,850.00	\$ -	\$ 7,100.00
	Task 1 - Subtotal	\$ 109,827.50	\$ 81,810.00	\$ -	\$ 191,637.50
TASK 2	FIELD EVALUATION				
	Subtask 2.1 - FIELD COORDINATION	\$ 4,500.00	\$ -	\$ -	\$ 4,500.00
	Subtask 2.2 - NON-DESTRUCTIVE TEST	\$ 8,470.00	\$ -	\$ 31,900.00	\$ 40,370.00
	Subtask 2.3 - STRUCTURAL FIELD EVALUATION	\$ 4,950.00	\$ 29,760.00	\$ -	\$ 34,710.00
	Subtask 2.4 - PREPARE SUMMARY OF FINDINGS	\$ 5,525.00	\$ 21,060.00	\$ 15,400.00	\$ 41,985.00
	Subtask 2.5 - MEETING WITH PBCWUD	\$ 4,750.00	\$ 6,740.00	\$ 465.00	\$ 11,955.00
	Task 2 - Subtotal	\$ 28,195.00	\$ 57,560.00	\$ 47,765.00	\$ 133,520.00
TASK 3	PREPARATION OF TECHNICAL MEMORANDUM				
	Subtask 3.1 - COMPILER ALL DATA/INVESTIGATION RESULTS	\$ 8,350.00	\$ -	\$ -	\$ 8,350.00
	Subtask 3.2 - PREPARE TM	\$ 4,937.50	\$ 26,700.00	\$ 1,700.00	\$ 33,337.50
	Subtask 3.3 - MEETING WITH PBCWUD	\$ 4,750.00	\$ 5,440.00	\$ 465.00	\$ 10,655.00
	Task 3 - Subtotal	\$ 18,037.50	\$ 32,140.00	\$ 2,165.00	\$ 52,342.50
	Total Task 1-3	\$ 156,060.00	\$ 171,510.00	\$ 49,930.00	\$ 377,500.00
	TOTAL PROJECT	\$ 156,060.00	\$ 171,510.00	\$ 49,930.00	\$ 377,500.00
	Percentage	41.340%	45.433%	13.226%	
	PRIME	\$ 156,060.00		41.34%	
	Others, Non-SBE	\$ -		0.000%	
	SBE	\$ 221,440.00		58.65%	SUB1, SUB2
	M/WBE (Black)	\$ -		0.00%	SUB1, SUB2
	M/WBE (Asian)	\$ -		0.00%	SUB1, SUB2



October 7, 2021

Emeliz Torres, PE
Project Manager
Calvin, Giordano & Associates, Inc.
580 Village Blvd., Suite 325
West Palm Beach, FL 33409

**RE: PBC Water Treatment Plant No. 3 and SROC Hurricane Hardening
Structural Engineering Services**

Dear Emeliz,

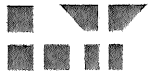
With reference to our telephone conversation and subsequent email Lakdas/Yohalem Engineering, Inc, (LYE) would be pleased to provide structural engineering services for the above referenced project.

LYE Services Include the Following:

- Evaluation of seven structures at WTP No. 3
 - Operations/Membrane Building
 - High Service Pump Building
 - Electrical/Generator Building
 - Cleaning Building
 - Chemical Building next to Sodium Hypo Tanks
 - Clearwell 1 Building
 - Transfer Pump Building
- Evaluation of three structures at SROC
 - Deep Injection Well Electrical Building
 - Laboratory Building
 - Warehouse Building
- Support Services to CGA, preparation with due diligence and evaluation of remaining identified structures at each site.
 - Review Structural Plans Provided by CGA.
 - Highlight Structural Design Criteria.
 - Identify which Building Code used for designing of the referenced structures.

LYE informed CGA that original construction documents are needed for review to assist with this project.

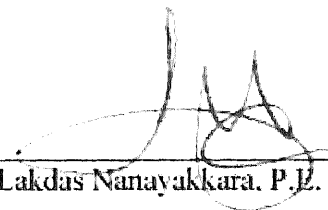
- 2211 N.E. 54th Street, Ft. Lauderdale, FL 33308 – (954) 771-0630 – Fax (954) 771-0519
 - 580 Village Blvd. Suite 325 West Palm Beach, FL 33409
- Lye@lyengineering.com



Our fee for the said services would be as follow:

Task	Project Engineer	Engineer	Total
	\$145.00	\$120.00	
Task 1 – Due Diligence	186	457	\$81,810.00
Task 2 – Field Evaluation	152	296	\$57,560.00
Task 3 – Preparation of Technical Memorandum	76	176	\$32,140.00
Total			\$171,510.00

Sincerely,


Lakdas Nanayakkara, P.E. #37590

Accepted By: Emeliz Torres, PE

Date

- 2211 N.E. 54th Street, Ft. Lauderdale, FL 33308 – (954) 771-0630 – Fax (954) 771-0519
 - 580 Village Blvd. Suite 325 West Palm Beach, FL 33409
- Lye@lyengineering.com



October 27, 2021

Calvin, Giordano & Associates, Inc.
Attn: Emeliz Torres, P.E. – Project Manager
580 Village Blvd, Suite 325,
West Palm Beach, FL 33409
Office: 954.921.7781 | Direct: 954.766.2779
Email: ETorres@cgasolutions.com

LAB CERTIFICATIONS



Certified



Approved



Validated

CTQP CERTIFIED TEAM

USACE Certified QA Managers

**Subject: Proposal for Nondestructive Testing Services
#16-8903.3 - Water Treatment Plant Nos. 3 and SROC Hurricane Hardening
Palm Beach County Water Utility District (PBCWUD), FL**

RADISE International LC (RADISE) is pleased to submit this proposal to assist with the structural evaluation for Water Treatment Plant Nos. 3 and SROC Hurricane Hardening project, located in Palm Beach County, FL. Non-destructive testing services will be conducted on the exterior envelopes of the 10 initially selected buildings utilizing multiple techniques, including Infrared Thermography, Structural Scanning Equipment, and various resistant tests. The services provided will generally involve performance-based testing to confirm the current structural condition of the structures.

SCOPE OF WORK

To assist with the structural evaluation, RADISE will conduct nondestructive testing on the exterior envelope of the 10 select buildings utilizing infrared thermography and pachometer equipment.

RADISE will perform Infrared Thermography testing on the exterior building envelopes of each of the 10 structures to identify the presence of grout column infill and the respective spacing of the grout columns.

The Infrared Thermography and subsequent Structure Scan Equipment will be used to locate the grout infill within the cells of the masonry walls and determine the presence of steel reinforcement within the grout columns. It is anticipated that scanning for structural reinforcing will be performed at multiple locations on each wall of the building envelopes, and select locations provided by the structural engineer.

Should it be determined that the surveys for the higher/multi-level structures will need to be performed using support equipment to elevate the work staff, additional costs for rental of the scissor lift equipment and time to perform the survey will be incurred.

4152 West Blue Heron Blvd, Suite 1114, Riviera Beach, FL 33404

Ph: 561.841.0103/Fax: 561.841.0104

www.RADISE.net

With offices in Miami-Dade, Broward, Palm Beach and Orange Counties

Upon completion of the field-testing program, an engineering report presenting our data and analysis will be prepared under the supervision of a Florida Registered Professional Engineer. The completed report package will include:

- 1. A printed hard copy report with a cover letter explaining the procedures, conditions, and results of the testing performed.
- 2. Individual thermographic report pages and photographs of the findings, explaining exact location (referencing column lines) and condition of the walls in question, using photo quality prints of the visual and infrared imagery.

The scope of work considers evaluation of only the 5 initial structures. Any other buildings or miscellaneous structures are not included in this proposal

COMPENSATION

We propose to render the services discussed in the Scope of Work section on a time-and-expense basis for not to exceed figure of \$49,930.00. This cost estimate is based on our experience with similar PBCWUD projects and conditions.


CLOSURE

We appreciate the opportunity to submit this proposal and look forward to rendering the services described previously. If you have any questions or need additional information, please contact us at 561-841-0103.

Sincerely,

RADISE International, LC

Newton M. Brooks
Construction Services Manager


Gregory J. Stelmack, P.E
Vice President





ATTACHMENT A
FEE BREAKDOWN
PBCWUD Proposal for Specialty Services
Hurricane Hardening Evaluation
#16-8903.3 - Water Treatment Plant Nos. 3 and SROC
Palm Beach County, Florida

		Qty	Unit	Unit Price	Total
TASK 2	FIELD EVALUATION				
	Subtask 2.2 NONDESTRUCTIVE TESTS				
	Senior Engineer, PE (VIII 2.)	20	Hour	\$ 155.00	\$ 3,100.00
	Engineer (VIII 2.)	80	Hour	\$ 135.00	\$ 10,800.00
	Staff Engineer (VIII 4.)	80	Hour	\$ 105.00	\$ 8,400.00
	Infrared Thermography and Structural Scanning Equipment	8	Day	\$ 1,200.00	\$ 9,600.00
					\$ 31,900.00
	Subtask 2.4 PREPARE SUMMARY OF FINDINGS				
	Senior Engineer, PE (VIII 2.)	20	Hour	\$ 155.00	\$ 3,100.00
	Engineer, PE (VIII 3.)	60	Hour	\$ 135.00	\$ 8,100.00
	Staff Engineer (VIII 4.)	40	Hour	\$ 105.00	\$ 4,200.00
					\$ 15,400.00
	Subtask 2.5 MEETING WITH PBCWUD				
	Senior Engineer, PE (VIII 2.)	3	Hour	\$ 155.00	\$ 465.00
					\$ 465.00
	TASK 3 PREPARATION OF TECHNICAL MEMORANDUM				
	Subtask 3.2 PREPARE TM				
	Senior Engineer, PE (VIII 2.)	4	Hour	\$ 155.00	\$ 620.00
	Engineer, PE (VIII 3.)	8	Hour	\$ 135.00	\$ 1,080.00
	Staff Engineer (VIII 4.)	0	Hour	\$ 105.00	\$ -
					\$ 1,700.00
	Subtask 3.3 MEETING WITH PBCWUD				
	Senior Engineer, PE (VIII 2.)	3	Hour	\$ 155.00	\$ 465.00
					\$ 465.00
				TOTAL:	\$ 49,930.00

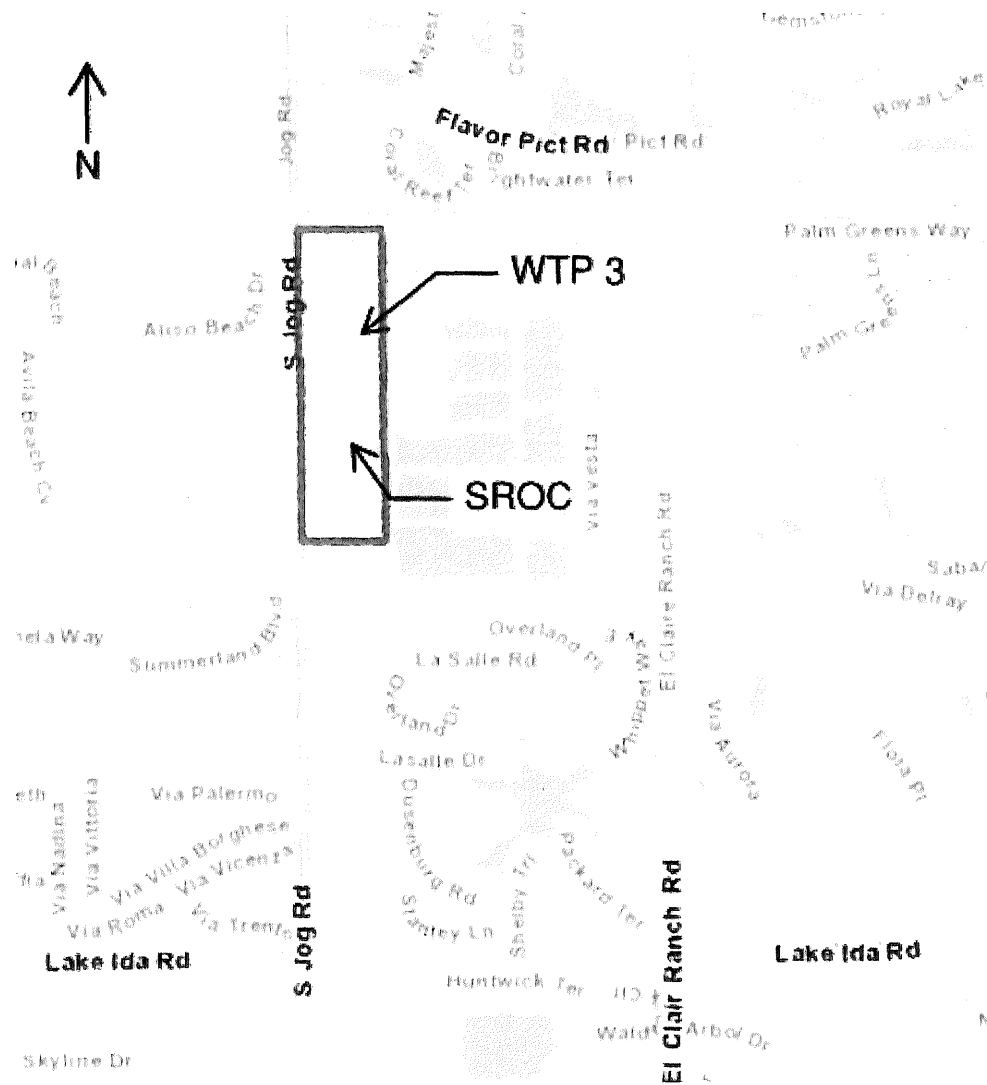
ATTACHMENT F
Palm Beach County Water Utilities Department
Contract for Consulting/Professional Services for
Emergency and Disaster Mitigation and Recovery
Water Treatment Plant No. 3 and SROC Hurricane Hardening
Resolution No. R2017-0821 Contract Dated 06-20-2017

**SUMMARY OF
SBE-M/WBE BUSINESS TRACKING**

Master Contract Goals	SBE: 41%
Current Proposal	
Value of Authorization No. 4	\$ 377,500.00
Value of SBE-M/WBE Letters of Intent	\$ 221,440.00
Actual Percentage	58.65%
Signed/Approved Authorizations	
Total Value of Authorizations	\$580,340.00
Total Value of SBE-M/WBE Signed Subcontractors	\$320,405.00
Actual Percentage	55.20%
Signed/Approved Authorizations Plus Current Proposal	
Total Value of Authorization	\$ 957,840.00
Total Value of Subcontractors & Letters of Intent	\$ 541,845.00
Actual Percentage	56.56%

Note: Master Contract Goal is 41% SBE.

ATTACHMENT G
Location Map
WUD Project No. 21-069



WTP 3 and SROC

Location Map



Revised 04/26/2021



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
10/22/2021

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 rights to the certificate holder in lieu of such endorsement(s).

PRODUCER RBN Insurance Services 303 E Wacker Dr Ste 650 Chicago IL 60601	CONTACT NAME: Symone White	
	PHONE (A/C, No, Ext): 312-856-9400	FAX (A/C, No): 312-856-9425
	E-MAIL ADDRESS: swwhite@rbninsurance.com	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A : Hartford Fire Insurance Co.	
	INSURER B : Twin City Fire Insurance Co.	
INSURED Calvin, Giordano & Associates, Inc. 1800 Eller Drive Suite 600 Fort Lauderdale FL 33316	SAFELLC-01	INSURER C : Great American E&S Ins. Co.
		INSURER D : Hartford Casualty Insurance Co
		INSURER E : Bridgeway Insurance Company
		INSURER F : Navigators Specialty Ins. Co.
		INSURER A : Hartford Fire Insurance Co.
		INSURER B : Twin City Fire Insurance Co.

COVERAGES CERTIFICATE NUMBER: 780539521 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 INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<div><div><input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY</div><div><input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR</div><div>GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:</div></div>	Y	Y	83UENZV3951	10/3/2021	10/3/2022	<div>EACH OCCURRENCE \$ 1,000,000</div> <div>DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000</div> <div>MED EXP (Any one person) \$ 10,000</div> <div>PERSONAL & ADV INJURY \$ 1,000,000</div> <div>GENERAL AGGREGATE \$ 2,000,000</div> <div>PRODUCTS - COMP/OP AGG \$</div>
D	<div><div><input checked="" type="checkbox"/> AUTOMOBILE LIABILITY</div><div><input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY</div><div><input type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS ONLY</div></div>	Y	Y	83UENPY9100	10/3/2021	10/3/2022	<div>COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000</div> <div>BODILY INJURY (Per person) \$</div> <div>BODILY INJURY (Per accident) \$</div> <div>PROPERTY DAMAGE (Per accident) \$</div>
F	<div><div><input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB</div><div><input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE</div><div>DED <input checked="" type="checkbox"/> RETENTION \$ 0</div></div>			CH21EXC885600IC	10/3/2021	10/3/2022	<div>EACH OCCURRENCE \$ 5,000,000</div> <div>AGGREGATE \$ 5,000,000</div>
B	<div><div>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</div><div>ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH)</div><div>If yes, describe under DESCRIPTION OF OPERATIONS below</div></div>	Y	N/A	83WECE0623	5/12/2021	5/12/2022	<div><input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER</div> <div>E.L. EACH ACCIDENT \$ 1,000,000</div> <div>E.L. DISEASE - EA EMPLOYEE \$ 1,000,000</div> <div>E.L. DISEASE - POLICY LIMIT \$ 1,000,000</div>
C E	<div>Professional Liability</div> <div>Excess Liab (2nd) Layer</div>			TER 2861558 8E-A7-XL-0002079-00	10/3/2021 10/3/2021	10/3/2022 10/3/2022	<div>Each Claim/Aggregate 10,000,000</div> <div>Each Occ/Aggregate 5,000,000</div>

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

RE: Contract for Consulting/Professional Services Emergency and Disaster Mitigation and Recovery (WUD Project No. 16-038).

Palm Beach County Board of County Commissioners, a Political Subdivision of the State of Florida, its Officers, Employees and Agents are included as Additional Insured with respect General Liability and Automobile Liability as required by written contract. A Waiver of Subrogation applies in favor of Palm Beach County with respect to General Liability, Automobile Liability and Workers' Compensation as required by written contract.

CERTIFICATE HOLDER	CANCELLATION
Palm Beach County Water Utilities Department 8100 Forest Hill Blvd, West Palm Beach, FL 33413	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