

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date: June 14, 2022

Consent
Public Hearing

Regular

Department: Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 7 to the Contract for Consulting/Professional Services Emergency and Disaster Mitigation and Recovery (Contract) with Calvin, Giordano & Associates, Inc., (CGA) for the Western Region Wastewater Treatment Facilities Hurricane Hardening (Project) for a not to exceed amount of \$220,230.00.

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. 7 provides for consulting/professional engineering services and related services for hurricane hardening evaluation and recommendations at the Western Region Wastewater Treatment Facility (WRWWTF) and the Western Region North Wastewater Treatment Facility (WRNWWTF).

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. 7 includes 57.32% SBE participation which includes 57.32% MBE participation, 57.32% (A). The cumulative SBE participation including CSA No. 7 is 54.99%, which includes 54.99% MBE participation, 54.99% (A). CGA is headquartered in Fort Lauderdale, Florida and maintains an office in Palm Beach County from which the majority of the work under CSA No. 7 will be undertaken. The Project is included in the PBCWUD FY22 budget (PBCWUD Project No. 22-025) District 6 (MWJ)

Background and Justification: PBCWUD owns, operates, and maintains two (2) wastewater treatment facilities in its Western Region service area, WRWWTF and WRNWWTF. The purpose of this Project is to evaluate the facilities at WRWWTF and WRNWWTF against the latest edition of the Florida Building Code wind loading criteria. The Project will also provide recommendations and prepare a planning level cost estimate 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. 7
- 2. Location Map
- 3. Certificate of Liability Insurance

Recommended By: Ali Bayat Department Director 5/11/22 Date

Approved By: Will J. Glenn Assistant County Administrator 5/23/2022 Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2022	2023	2024	2025	2026
Capital Expenditures	\$220,230	0	0	0	0
Operating Costs	0	0	0	0	0
External Revenues	0	0	0	0	0
Program Income (County)	0	0	0	0	0
In-Kind Match County	0	0	0	0	0
NET FISCAL IMPACT	\$220,230	0	0	0	0
# ADDITIONAL FTE POSITIONS (Cumulative)		0	0	0	0

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


Is Item Included in Current Budget? Yes No

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

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: *Joany Panton* 

III. REVIEW COMMENTS

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

Lisa Mante 5/13/22
OFMB *JA* 5-12-22
MG 5/12/22

Th. J. Jacobson 5/19/22
Contract Development and Control
5-18-22 TW

B. Legal Sufficiency:

COU 5/20/22
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. 7
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 June 20, 2017

Project Title: Western Region Wastewater Treatment Facilities Hurricane Hardening

PBCWUD Project No.: 22-025

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.: 6

This Consultant Services Authorization provides for: Evaluation of selected buildings/structures located at Western Region Wastewater Treatment Facility (WRWWTF) and Western Region North Wastewater Treatment Facility (WRNWWTF) against the current wind loading criteria as set forth in the Florida Building Code, and to make recommended improvements as needed to bring selected buildings/structures into compliance with current wind loading criteria. In addition, research available design and permit information for all existing buildings/structures/facilities at WRWWTF and WRNWWTF to determine wind loading criteria design basis for each building/structure/facility.

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

The Contract provides for 41% SBE participation. This Consultant Services Authorization includes 57.32% overall participation which includes, 57.32% MBE participation, 57.32% MBE (A). The cumulative SBE participation, including this Consultant Services Authorization is 54.99%, which includes 54.99% MBE participation, 54.99% 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 \$ 220,230.00

B. Fixed price of \$ Not Applicable

C. Total \$ 220,230.00

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. 7
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 June 20, 2017

Project Title: Western Region Wastewater Treatment Facilities Hurricane Hardening

PBCWUD Project No.: 22-025

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. 7
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 June 20, 2017

Project Title: Western Region Wastewater Treatment Facilities Hurricane Hardening

PBCWUD Project No.: 22-025

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: _____

u Signed: _____
Robert S. Weinroth, Mayor

AB

Typed Name: _____
Deputy Clerk

(Date)

Approved as to Form and Legal
Sufficiency

Calvin, Giordano & Associates, Inc.
(Consultant)

Signed: _____

Chris Giordano
(Print Name)

Typed Name: Michael W. Jones
County Attorney

[Signature]
(Signature)

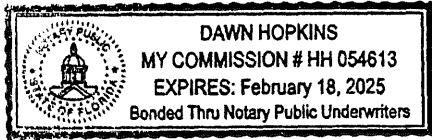
President
(Title)

4/12/22
(Date)

STATE OF FLORIDA
COUNTY OF Broward

The foregoing instrument was acknowledged before me by means of physical presence or online notarization,
this 12 day of April 2022 by Chris Giordano who is personally
known to me or has produced _____ as identification.

[Signature]
(Signature of Notary Public - State of Florida)



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

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.: 22-025

Project Title: Western Region Wastewater Treatment Facilities Hurricane Hardening

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

Scope of Services

Background

The Western Region Wastewater Treatment Facility (WRWWTF) and Western Region North Wastewater Treatment Facility (WRNWWTF) are wastewater treatment 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 CONSULTANT to provide a structural evaluation of a total of two (2) selected structures at the WRWWTF and the WRNWWTF. Although the Western Region Wastewater Treatment Facilities consist of WRWWTF that have five (5) structures and WRNWWTF that have ten (10) structures, this scope of work is limited to a total of two (2) initial structures that are considered to have the highest priority uses. The aim of the evaluation is to determine whether the selected buildings 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. CONSULTANT will prepare a Technical Memorandum (TM) including the results, findings, and recommended remedial works resulting from the evaluation.

Project Scope

The evaluation will include the following major tasks:

1. Research designed/permitted information available on the selected existing buildings at WRWWTF and WRNWWTF, as listed below. The research of the available information assumes that the PBCWUD will provide all the required documentation, including record drawings, specifications, calculations, and Building Department permits. Perform three-dimensional (3D) scanning of all the buildings/structures to document the conditions of the exterior envelope.
 - a. WRWWTF
 1. Operations Building
 2. Operations Temporary Building
 3. Maintenance Building
 4. Generator Electrical Building
 - b. WRNWWTF
 1. Operations Building
 2. Blower Building No. 1
 3. Blower Building No. 2
 4. Blower Building No. 3
 5. Operations Temporary Building

2. Visual condition assessment of the existing exterior envelope of the five (5) selected buildings, which are:
 - a. WRWWTF
 1. Generator Electrical Building
 - b. WRNWWTF
 1. Operations 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 buildings.

3. As required, perform nondestructive tests on the exterior envelope of the selected buildings 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 buildings that will require remedial work.

The Scope of Professional Services to be provided and associated fees are detailed herein. CONSULTANT 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 buildings. CONSULTANT understands that 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

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

- 1.1. Data Collection - Review site pictures, record drawings, permits, copies of any emergency repair work, and other relevant PBCWUD records. The research of the available information assumes that PBCWUD will provide all the required documentation, including record drawings, specifications, calculations, and Building Department permits.
- 1.2. Site Visits - Conduct a visual structural condition assessment of the exterior of the two (2) selected buildings at WRWWTF and WRNWWTF. This assessment shall identify structural defects such as corrosion, fatigue, or structural damage by accidental actions.
- 1.3. Review Record Drawings - Review the record drawings of the two (2) selected buildings. Identify the critical structure members based on the building elevation and plan view drawings of the Generator Electrical Building and Operations Building. Evaluate and analyze the exterior envelope of each building structure for lateral wind load requirements per American Society of Civil Engineers (ASCE) 7-15 latest edition and 186 MPH set by the PBCWUD.
- 1.4. Survey - Utilize a Leica C10 High-Resolution 3D scanner to obtain as-built information for all five (5) structures/buildings at WRWWTF and ten (10) structures/buildings at WRNWWTF. 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 (Subtask 1.2) and detailed evaluation and analysis (Subtask 1.3), determine if nondestructive testing will be needed. If so, CONSULTANT will indicate the location, type, and the 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 recommendations of structural elements that require nondestructive testing.
- 1.7. Meeting with PBCWUD – Meeting with PBCWUD to discuss the findings of the Due Diligence task. After presenting the due diligence findings and detailed evaluation, CONSULTANT will discuss with PBCWUD how to proceed with the field work evaluation and technical memorandum. 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

CONSULTANT 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. Nondestructive Test - If necessary, performance of nondestructive testing on the designated structural elements of the two (2) selected buildings 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, CONSULTANT 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

CONSULTANT shall 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 a TM - Prepare a TM to include the assessment findings of the four (4) buildings/structures at WRWWTF and five (5) buildings/structures at WRNWWTF and

preliminary recommendations related to improving the existing selected two (2) buildings, 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 of the TM (Portable Document Format (pdf))
- Meeting Agendas and Minutes

CONSULTANT Assumptions:

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

- The scope of work considers only the structural evaluation of the Generator Electrical Building at WRWWTF and the Operations Building at WRNWWTF.
- The scope of work does not include any other building not mentioned on this scope of work, included but not limited to Headworks Structure, Roto-Screens Structure, Return Activated Sludge/Waste Activated Sludge (RAS/WAS) Building, Sludge Thickening Building, Blower Building and Sodium Hypochlorite Building.
- Topographical survey, geotechnical investigation nor detailed design are included in CONSULTANT's tasks.
- The number of nondestructive tests will be determined by the Structural Engineer after completing the initial evaluation of the two (2) selected buildings.
- The research of the available information assumes that 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**

Auth. No.	PBCWUD Project No.	Title	Status	Project Total Amount	SBE Total Amount	SBE Participation %	Approved	
							By	Date
1	19-088	SRWRF Hurricane Hardening Evaluation	Closed	\$195,555.00	\$164,450.00	84.09%	BCC	3/10/2020
2	20-040	Community Development Block Grant Mitigation Funding Application Assistance	Approved	\$49,320.00	\$0	0%	DIR	6/8/2020
3	21-061	Water Treatment Plant Nos. 8 and 11 Hurricane Hardening	Approved	\$335,465.00	\$ 155,955.00	46.48%	BCC	8/17/2021
4	21-069	Water Treatment Plant No. 3 and SROC Hurricane Hardening	Approved	\$377,500.00	\$ 221,440.00	58.65%	BCC	12/21/2021
5	21-080	Grant Application Assistance	Approved	\$48,260.00	\$0	0%	DIR	2/7/2022
6	22-024	Water Treatment Plant Nos. 2 and 9 Hurricane Hardening	Pending	\$253,685.00	Pending	Pending	BCC	Pending
7	22-025	Western Region Wastewater Treatment Facilities Hurricane Hardening	Pending	\$220,230.00	\$ 126,240.00	57.32%	BCC	Pending

ATTACHMENT C

OEBO SCHEDULE 1

Office of Equal Business Opportunity Compliance Programs

OEBO SCHEDULE 1

LIST OF PROPOSED CONTRACTOR/CONSULTANT AND SUBCONTRACTOR/SUBCONSULTANT PARTICIPATION

Western Region Wastewater Treatment Facilities
Hurricane Hardening

SOLICITATION/PROJECT/BID NAME: _____ **SOLICITATION/PROJECT/BID No.:** WUD 22-025

NAME OF PRIME RESPONDENT/BIDDER: Calvin Giordano & Associates, Inc. **ADDRESS:** 580 Village Blvd, Suite 325, West Palm Beach, FL 33409

CONTACT PERSON: David Stambaugh **PHONE NO.:** (561) 684-6161 **E-MAIL:** dstambaugh@cgasolutions.com

SOLICITATION OPENING/SUBMITTAL DATE: _____ **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 Minority/Women Business	SBE 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"/>	_____	_____	_____	_____	\$93,990.00 <u>Non-SBE</u>
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"/>	_____	_____	_____	_____	\$76,310.00 <u>Asian</u>
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 <u>Asian</u>
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____	_____	_____	_____	_____
Total								\$220,230.00

Total Bid Price \$ \$220,230.00

Total SBE - M/WBE Participation \$126,240 (57.32%)

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

Office of Equal Business Opportunity Compliance Programs

Revised 12/06/2021

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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 22-025

SOLICITATION/PROJECT NAME: Western Region Wastewater Treatment Facilities 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.

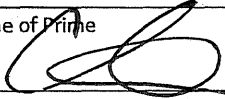
Line Item	Item Description	Unit Price	Quantity/ Units	Contingencies/ Allowances	Total Price/Percentage
1	Due Diligence	1	LS	-	42,915.00
2	Field Investigation	1	LS	-	\$22,590.00
3	Preparation of Technical Memorandum	1	LS	-	\$10,805.00

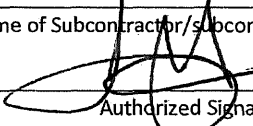
The undersigned Subcontractor/subconsultant is prepared to self-perform the above-described work in conjunction with the aforementioned project at the following total price or percentage: \$76,310.00

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 Price or Percentage: N/A

Name of 2nd/3rd tier Subcontractor/subconsultant

Calvin, Giordano & Associates, Inc.
 Print Name of Prime
 By: 
 Authorized Signature
Chris Giordano
 Print Name
President
 Title
 Date: 4/12/22

Lakdas/Yohalem Engineering, Inc.
 Print Name of Subcontractor/subconsultant
 By: 
 Authorized Signature
Lakdas Nanayakkara
 Print Name
President
 Title
 Date: 4-12-22

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 22-025

SOLICITATION/PROJECT NAME: Western Region Wastewater Treatment Facilities 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 - 10/31/2017

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

Column 1	Column 2	Column 3
<input type="checkbox"/> Male <input checked="" 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	-	\$0
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

Chris Giordano

Print Name

President

Title

Date: 4/12/22

Radise International, L.C.

Print Name of Subcontractor/subconsultant

By: 

Authorized Signature

Gregory Stelmack

Print Name

Authorized Representative

Title

Date: 04/12/22

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	120 days
Task 2 – Field Evaluation	190 days
Task 3 – Preparation of Technical Memorandum	250 days

Revised 12/06/2021

**ATTACHMENT E
BUDGET SUMMARY**

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 June 20, 2017
 Consultant Services Authorization No.: 7
 Consultant: Calvin Giordano & Associates, Inc.
 Project Title: Western Region Wastewater Treatment Facilities Hurricane Hardening
 PBCWUD Project No.: 22-025

Task Number	Task Description	Director, Engineering (V)	Project Manager (IV)	Engineer (II)	Senior 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										
	<i>Subtask 1.1 - DATA COLLECTION</i>	2	10	0	0	0	0	12	\$ 1,850.00	\$ -	\$ 1,850.00
	<i>Subtask 1.2 - SITE VISITS</i>	0	16	0	0	0	0	16	\$ 2,400.00	\$ -	\$ 2,400.00
	<i>Subtask 1.3 - REVIEW RECORD DRAWINGS</i>	2	16	40	0	0	0	58	\$ 7,150.00	\$ -	\$ 7,150.00
	<i>Subtask 1.4 - SURVEY</i>	0	26	0	26	172	302	526	\$ 59,580.00	\$ -	\$ 59,580.00
	<i>Subtask 1.5 - STRUCTURAL INVESTIGATION</i>	0	0	0	0	0	0	0	\$ -	\$ -	\$ -
	<i>Subtask 1.6 - PREPARE SUMMARY OF FINDINGS</i>	2	8	8	0	0	0	18	\$ 2,430.00	\$ -	\$ 2,430.00
	<i>Subtask 1.7 - MEETING WITH PBCWUD</i>	2	6	0	0	0	0	8	\$ 1,250.00	\$ -	\$ 1,250.00
	Task 1 - Subtotal	8	82	48	26	172	302	86	\$ 74,660.00	\$ -	\$ 74,660.00
TASK 2	FIELD EVALUATION										
	<i>Subtask 2.1 - FIELD COORDINATION</i>	0	4	0	0	0	0	4	\$ 600.00	\$ -	\$ 600.00
	<i>Subtask 2.2 - NONDESTRUCTIVE TEST</i>	0	16	0	0	0	0	16	\$ 2,400.00	\$ -	\$ 2,400.00
	<i>Subtask 2.3 - STRUCTURAL FIELD EVALUATION</i>	0	0	0	0	0	0		\$ -	\$ -	\$ -
	<i>Subtask 2.4 - PREPARE SUMMARY OF FINDINGS</i>	4	6	8	0	0	0	18	\$ 2,480.00	\$ -	\$ 2,480.00
	<i>Subtask 2.5 - MEETING WITH PBCWUD</i>	2	6	0	0	0	0	8	\$ 1,250.00	\$ -	\$ 1,250.00
	Task 2 - Subtotal	6	32	8	0	0	0	46	\$ 6,730.00	\$ -	\$ 6,730.00
TASK 3	PREPARATION OF TECHNICAL MEMORANDUM										
	<i>Subtask 3.1 - COMPILE ALL DATA/INVESTIGATION RESULTS</i>	2	16	0	0	0	0	18	\$ 2,750.00	\$ -	\$ 2,750.00
	<i>Subtask 3.2 - PREPARE TM</i>	8	48	0	0	0	0	56	\$ 8,600.00	\$ -	\$ 8,600.00
	<i>Subtask 3.3 - MEETING WITH PBCWUD</i>	2	6	0	0	0	0	8	\$ 1,250.00	\$ -	\$ 1,250.00
	Task 3 - Subtotal	12	70	0	0	0	0	82	\$ 12,600.00	\$ -	\$ 12,600.00
	Total Task 1-3	26	184	56	26	172	302	214	\$ 93,990.00	\$ -	\$ 93,990.00
	Labor Subtotal Hours	26	184	56	26	172	302	766			
	Labor Raw Costs	\$ 1,516.67	\$ 9,200.00	\$ 2,053.33	\$ 1,256.67	\$ 7,740.00	\$ 9,563.33		\$ 31,330.00		
	Labor Subtotal (Bill Rate * Labor Subtotal Hours)	\$ 4,550.00	\$ 27,600.00	\$ 6,160.00	\$ 3,770.00	\$ 23,220.00	\$ 28,690.00		\$ 93,990.00		
	PROJECT TOTAL							214	\$ 93,990.00	\$ -	\$ 93,990.00

**ATTACHMENT E
BUDGET SUMMARY**

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 June 20, 2017
 Consultant Services Authorization No.: 7
 Consultant: Calvin Giordano & Associates, Inc.
 Project Title: Western Region Wastewater Treatment Facilities Hurricane Hardening
 PBCWUD Project No.: 22-025

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						
	<i>Subtask 1.1 - DATA COLLECTION</i>	8	16	24	\$ 3,080.00	\$ -	\$ 3,080.00
	<i>Subtask 1.2 - SITE VISITS</i>	16	16	32	\$ 4,240.00	\$ -	\$ 4,240.00
	<i>Subtask 1.3 - REVIEW RECORD DRAWINGS</i>	40	54	94	\$ 12,280.00	\$ -	\$ 12,280.00
	<i>Subtask 1.4 - SURVEY</i>			0	\$ -	\$ -	\$ -
	<i>Subtask 1.5 - STRUCTURAL INVESTIGATION</i>	40	80		\$ 15,400.00	\$ -	\$ 15,400.00
	<i>Subtask 1.6 - PREPARE SUMMARY OF FINDINGS</i>	16	40	56	\$ 7,120.00	\$ -	\$ 7,120.00
	<i>Subtask 1.7 - MEETING WITH PBCWUD</i>	3	3	6	\$ 795.00	\$ -	\$ 795.00
	Task 1 - Subtotal	123	209	150	\$ 42,915.00	\$ -	\$ 42,915.00
TASK 2	FIELD EVALUATION						
	<i>Subtask 2.1 - FIELD COORDINATION</i>			0	\$ -	\$ -	\$ -
	<i>Subtask 2.2 - NONDESTRUCTIVE TEST</i>			0	\$ -	\$ -	\$ -
	<i>Subtask 2.3 - STRUCTURAL FIELD EVALUATION</i>	35	80		\$ 14,675.00	\$ -	\$ 14,675.00
	<i>Subtask 2.4 - PREPARE SUMMARY OF FINDINGS</i>	16	40	56	\$ 7,120.00	\$ -	\$ 7,120.00
	<i>Subtask 2.5 - MEETING WITH PBCWUD</i>	3	3	6	\$ 795.00	\$ -	\$ 795.00
	Task 2 - Subtotal	54	123	62	\$ 22,590.00	\$ -	\$ 22,590.00
TASK 3	PREPARATION OF TECHNICAL MEMORANDUM						
	<i>Subtask 3.1 - COMPILE ALL DATA/INVESTIGATION RESULTS</i>			0	\$ -	\$ -	\$ -
	<i>Subtask 3.2 - PREPARE TM</i>	26	52	78	\$ 10,010.00	\$ -	\$ 10,010.00
	<i>Subtask 3.3 - MEETING WITH PBCWUD</i>	3	3	6	\$ 795.00	\$ -	\$ 795.00
	Task 3 - Subtotal	29	55	84	\$ 10,805.00	\$ -	\$ 10,805.00
	Total Task 1-3	206	387	296	\$ 76,310.00	\$ -	\$ 76,310.00
	Labor Subtotal Hours	206	387	593			
	Labor Raw Costs	\$ -	\$ -		\$ -		
	Labor Subtotal (Bill Rate * Labor Subtotal Hours)	\$ 29,870.00	\$ 46,440.00		\$ 76,310.00		
	PROJECT TOTAL			296	\$ 76,310.00	\$ -	\$ 76,310.00

**ATTACHMENT E
BUDGET SUMMARY**

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 June 20, 2017
Consultant Services Authorization No.: 7
Consultant: Calvin Giordano & Associates, Inc.
Project Title: Western Region Wastewater Treatment Facilities Hurricane Hardening
PBCWUD Project No.: 22-025

BUDGET SUMMARY - RADISE International, L.C.								
Task Number	Task Description	Senior Engineer, PE (VIII 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 DRAWINGS				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	\$ -	\$ -	\$ -
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					\$ -	\$ -	\$ -
	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		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		15	\$ 2,165.00	\$ -	\$ 2,165.00
	Total Task 1-3	50	148		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	\$ 40,330.00	\$ 9,600.00	\$ 49,930.00

ATTACHMENT E BUDGET SUMMARY

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 June 20, 2017
Consultant Services Authorization No.: 7
Consultant: Calvin Giordano & Associates, Inc.
Project Title: Western Region Wastewater Treatment Facilities Hurricane Hardening
PBCWUD Project No.: 22-025

RADISE Reimbursables		Projected Quantity	Unit Cost	Project Cost
<i>Subtask 2.2 - NONDESTRUCTIVE TEST</i>	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 Emergency and Disaster Mitigation and Recovery Engineering Services
Resolution No. R2017-0821 Contract Dated June 20, 2017
Consultant Services Authorization No.: 7
Consultant: Calvin Giordano & Associates, Inc.
Project Title: Western Region Wastewater Treatment Facilities Hurricane Hardening
PBCWUD Project No.: 22-025

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				
	<i>Subtask 1.1 - DATA COLLECTION</i>	\$ 1,850.00	\$ 3,080.00	\$ -	\$ 4,930.00
	<i>Subtask 1.2 - SITE VISITS</i>	\$ 2,400.00	\$ 4,240.00	\$ -	\$ 6,640.00
	<i>Subtask 1.3 - REVIEW RECORD DRAWINGS</i>	\$ 7,150.00	\$ 12,280.00	\$ -	\$ 19,430.00
	<i>Subtask 1.4 - SURVEY</i>	\$ 59,580.00	\$ -	\$ -	\$ 59,580.00
	<i>Subtask 1.5 - STRUCTURAL INVESTIGATION</i>	\$ -	\$ 15,400.00	\$ -	\$ 15,400.00
	<i>Subtask 1.6 - PREPARE SUMMARY OF FINDINGS</i>	\$ 2,430.00	\$ 7,120.00	\$ -	\$ 9,550.00
	<i>Subtask 1.7 - MEETING WITH PBCWUD</i>	\$ 1,250.00	\$ 795.00	\$ -	\$ 2,045.00
	Task 1 - Subtotal	\$ 74,660.00	\$ 42,915.00	\$ -	\$ 117,575.00
TASK 2	FIELD EVALUATION				
	<i>Subtask 2.1 - FIELD COORDINATION</i>	\$ 600.00	\$ -	\$ -	\$ 600.00
	<i>Subtask 2.2 - NONDESTRUCTIVE TEST</i>	\$ 2,400.00	\$ -	\$ 31,900.00	\$ 34,300.00
	<i>Subtask 2.3 - STRUCTURAL FIELD EVALUATION</i>		\$ 14,675.00	\$ -	\$ 14,675.00
	<i>Subtask 2.4 - PREPARE SUMMARY OF FINDINGS</i>	\$ 2,480.00	\$ 7,120.00	\$ 15,400.00	\$ 25,000.00
	<i>Subtask 2.5 - MEETING WITH PBCWUD</i>	\$ 1,250.00	\$ 795.00	\$ 465.00	\$ 2,510.00
	Task 2 - Subtotal	\$ 6,730.00	\$ 22,590.00	\$ 47,765.00	\$ 77,085.00
TASK 3	PREPARATION OF TECHNICAL MEMORANDUM				
	<i>Subtask 3.1 - COMPILER ALL DATA/INVESTIGATION RESULTS</i>	\$ 2,750.00	\$ -	\$ -	\$ 2,750.00
	<i>Subtask 3.2 - PREPARE TM</i>	\$ 8,600.00	\$ 10,010.00	\$ 1,700.00	\$ 20,310.00
	<i>Subtask 3.3 - MEETING WITH PBCWUD</i>	\$ 1,250.00	\$ 795.00	\$ 465.00	\$ 2,510.00
	Task 3 - Subtotal	\$ 12,600.00	\$ 10,805.00	\$ 2,165.00	\$ 25,570.00
	Total Task 1-3	\$ 93,990.00	\$ 76,310.00	\$ 49,930.00	\$ 220,230.00
	TOTAL PROJECT	\$ 93,990.00	\$ 76,310.00	\$ 49,930.00	\$ 220,230.00



April 8, 2022

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

**RE: PBC Western Region Wastewater Treatment Facility 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 the following structures at Belle Glade WWTF:
 - Generator Electrical Building
- Evaluation of the following structures at Pahokee WWTF:
 - Operations Building
- Research designed/permitted information available for the following structures:
 - Belle Glade WWTF
 - Operations Building
 - Operations Temporary Building
 - Maintenance Building
 - Generator Electrical Building
 - Pahokee WWTF
 - Operations Building
 - Blower Building No. 1
 - Blower Building No. 2
 - Blower Building No. 3
 - Operations Temporary 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	123	209	\$42,915.00
Task 2 – Field Evaluation	54	123	\$22,590.00
Task 3 – Preparation of Technical Memorandum	29	55	\$10,805.00
Total			\$76,310.00

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

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LAB CERTIFICATIONS



Certified



Approved



Validated

April 8, 2022

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

**CTQP CERTIFIED
TEAM**

USACE Certified QA Managers

**Subject: Proposal for Nondestructive Testing Services
#22-6027 - Western Region Wastewater Treatment Facility 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 Western Region Wastewater Treatment Facility Hurricane Hardening project, located in Palm Beach County, FL. Non-destructive testing services will be conducted on the exterior envelopes of the 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

SCOPE OF WORK

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

RADISE will perform Infrared Thermography testing on the exterior building envelopes of each of the 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.

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.

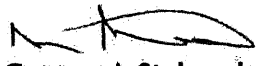
CLOSURE

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
#22-6024 - Western Region Wastewater Treatment Facility
Palm Beach County, Florida

		<u>Qty</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
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
Emergency and Disaster Mitigation and Recovery Engineering Services
 Resolution No. R2017-0821 Contract Dated June 20, 2017

SUMMARY OF SBE-M/WBE BUSINESS TRACKING

Master Contract Goals	SBE: 41%	M/WBE: %	MBE %	MBE %
Current Proposal				
Value of Authorization No. <u>7</u>	\$ 220,230.00			
Value of SBE-M/WBE Letters of Intent	\$ 126,240.00	\$	\$	\$
Actual Percentage	57.32%	%	%	%
Signed/Approved Authorizations				
Total Value of Authorizations	\$1,006,100.00			
Total Value of SBE-M/WBE Signed Subcontractors	\$541,845.00	\$	\$	\$
Actual Percentage	53.85%	%	%	%
Signed/Approved Authorizations Plus Current Proposal				
Total Value of Authorization	\$ 1,226,330.00			
Total Value of Subcontractors & Letters of Intent	\$ 668,085.00	\$	\$	\$
Actual Percentage	54.47%	%	%	%

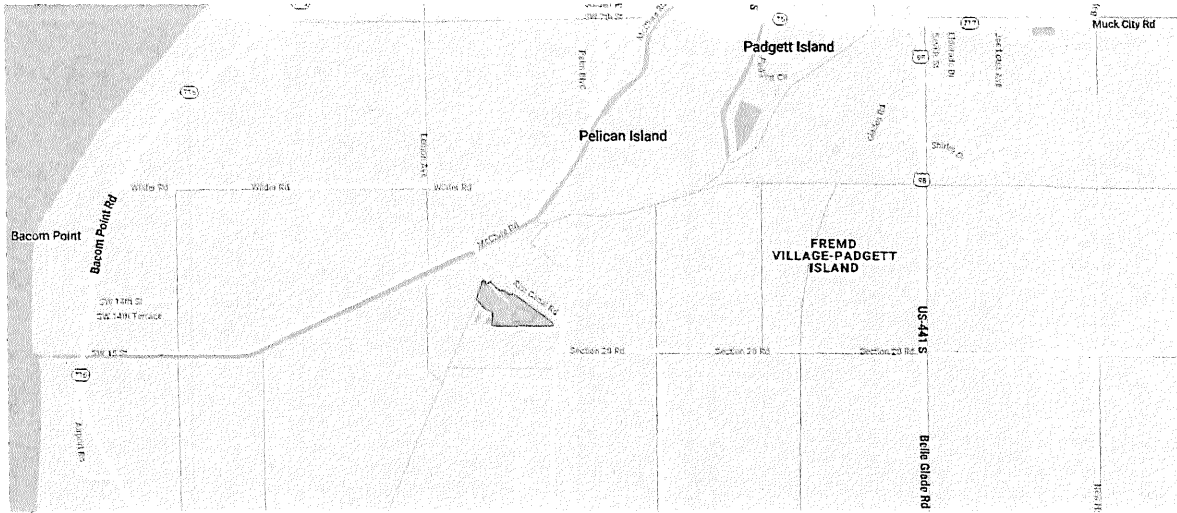
Revised 12/06/2021

ATTACHMENT G

Location Map PBCWUD Project No. 22-025



WESTERN REGION WASTEWATER TREATMENT FACILITY (WRWWTF)



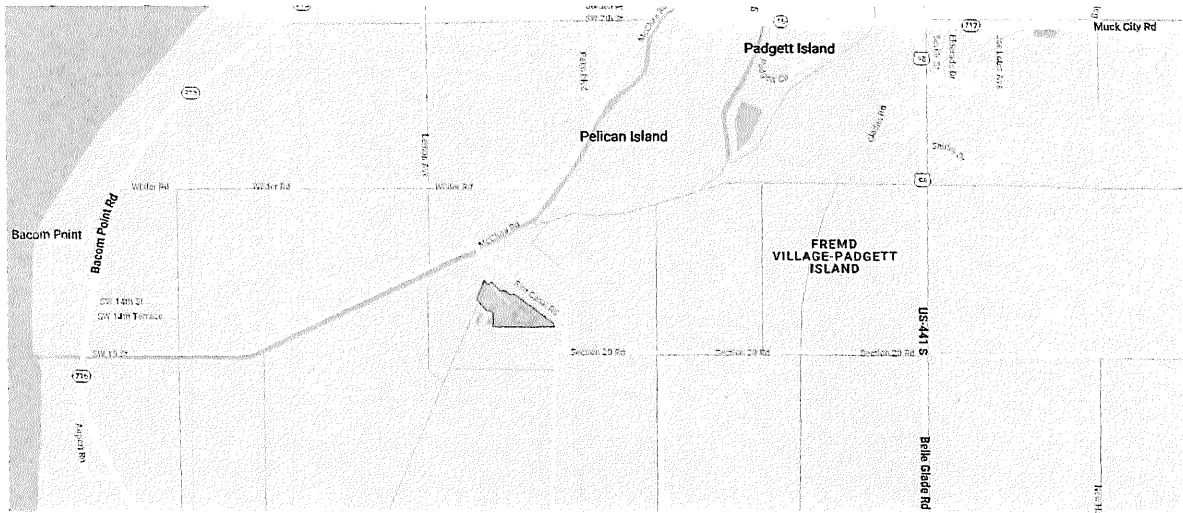
WESTERN REGION NORTH WASTEWATER TREATMENT FACILITY (WRNWWTF)

Revised 12/06/2021

ATTACHMENT 2



WESTERN REGION WASTEWATER TREATMENT FACILITY (WRWWTF)



WESTERN REGION NORTH WASTEWATER TREATMENT FACILITY (WRNWWTF)

Revised 12/06/2021



ATTACHMENT 3

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/2/2022

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: 312-856-9400, FAX: 312-856-9425, E-MAIL: swhite@rbninsurance.com. INSURER(S) AFFORDING COVERAGE: INSURER A: Hartford Fire Insurance Co. (19682), INSURER B: Great American E&S Ins. Co. (37532), INSURER C: Hartford Casualty Insurance Co (29424), INSURER D: Bridgeway Insurance Company (12489), INSURER E: Navigators Specialty Ins. Co. (36056), INSURER F: Hartford Insurance Group.

COVERAGES CERTIFICATE NUMBER: 1985610155 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.

Table with columns: INSR LTR, TYPE OF INSURANCE, ADDL INSD, SUBR WVD, POLICY NUMBER, POLICY EFF (MM/DD/YYYY), POLICY EXP (MM/DD/YYYY), LIMITS. Rows include Commercial General Liability, Automobile Liability, Umbrella Liability, and Workers Compensation.

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.

CERTIFICATE HOLDER: Palm Beach County Water Utilities Department, 8100 Forest Hill Blvd, West Palm Beach, FL 33413. CANCELLATION: 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: [Signature]