PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date:

September 18, 2018

Consent [X]

Regular []

Department:

Water Utilities Department

Public Hearing []

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to approve: Consultant Services Authorization (CSA) No. 5 for the Southern Region Water Reclamation Facility (SRWRF) Process Blower Improvements (Project) with Brown and Caldwell (Corporation), (R2017-0813) in the amount not to exceed \$137,906.29.

Summary: On June 20, 2017, the Board of County Commissioners (BCC) approved the Water Utilities Department (WUD) Contract for Professional Consultation/Wastewater Engineering Services with Brown and Caldwell (Corporation), (R2017-0813) to obtain engineering/professional services for utility related projects. CSA No. 5 will provide for professional/engineering services related to the Project. SRWRF is the largest wastewater treatment facility owned and operated by WUD. SRWRF utilizes aeration in the wastewater treatment process. Air required for proper aeration and treatment is supplied by mechanical blowers. The majority of the aeration needs at SRWRF are met only by Turblex blowers, which are proprietary and complex and can only be serviced by the manufacturer. Concerns regarding the reliability of the Turblex blowers have arisen because of the long-term challenges associated with the negotiation of a service agreement with the manufacturer. To mitigate against the risks associated with the failure of the Turblex blowers, additional blowers need to be installed. CSA No. 5 will provide preliminary engineering to confirm aeration needs, blower sizing, mechanical and electrical arrangements. This will increase the treatment reliability and redundancy at SRWRF. The Small Business Enterprise (SBE) participation goal established by the SBE Ordinance is 15% overall. The Contract with Brown and Caldwell (Corporation). provides for SBE participation of 26% overall. CSA No. 5 includes an SBE participation of 14.86%. The cumulative SBE participation, including CSA No. 5 is 24.31%. Brown and Caldwell (Corporation), is headquartered in Walnut Creek, California but maintains an office in Palm Beach County from which the majority of the work under CSA No. 5 will be undertaken. The Project is in the FY18 Capital Improvement Plan for WUD and adopted by the BCC. (WUD Project No. 18-067) District 5 (MJ)

Background and Justification: SRWRF is a thirty-five million gallon per day wastewater treatment plant and is the largest wastewater treatment facility owned and operated by WUD. Aeration at SRWRF is provided by mechanical blowers with the majority of the aeration needs being met by two (2), 700 Horsepower (Hp) Turblex blowers. Concerns with the Turblex blowers have recently arisen due to a combination of their proprietary nature, complexity and moreover the challenges associated with the negotiation of a service agreement with the manufacturer. To mitigate against the risks associated with the failure of the Turblex blowers, additional mechanical blowers are required at SRWRF. CSA No. 5 will provide preliminary engineering to confirm process blower sizing and mitigation against the risks associated with failure of the Turblex blowers. CSA No. 5 will also provide for the preparation of a design-build criteria package, which will be used to procure the services of a Design-Build Entity through WUD's annual design-build contract.

Attachments:

- 1. Four (4) Originals of CSA No. 5
- 2. Location Map
- 3. ITS Summary of Certificates

Recommended By	: Jim Stiles	8-22-18
		Date
Approved By:	Will of Blum	\$ (6/18
• • • • • •	Assistant County Administrator	Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

/ \	Tive real callillary	or riodarin	ipaot.								
Fisca	ıl Years	2018	2019	2020	2021	2022					
Opera Exter Progr	al Expenditures ating Costs nal Revenues ram Income (County) nd Match County	137,907 0 0 0 0	<u>O</u> <u>O</u> <u>O</u> <u>O</u> <u>O</u> <u>O</u>	<u>0</u>	<u>0</u> <u>0</u> <u>0</u> <u>0</u>	<u>0</u> <u>0</u> <u>0</u> <u>0</u>					
NET	FISCAL IMPACT	<u>137,907</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>					
# ADDITIONAL FTE POSITIONS (Cumulative) $\underline{0}$ $\underline{0}$ $\underline{0}$ $\underline{0}$ $\underline{0}$											
Budg	get Account No.: Fu	nd <u>4011</u>	Dept	Unit _W0	010 Obje	ect 6545					
Is Iter	m Included in Current E	Budget?		Yes X	No						
Does	this item include the us	se of federa	I funds?	Yes	_ No	X					
B.	Recommended Sou One (1) time expendit forward. Department Fiscal F	ture from us		y of Fiscal In	npact:	brought					
A.	OFMB Fiscal and/or	Contract D)evelopment	and Control	Comments	s:					
	OFMB CONTRACTOR	2WA 8	24/18/ 8/23	Contract De	J. Jau evelopment	Coul For	3//8				
B.	Legal Sufficiency:		_	,	/						
	Assistant County Atto	orney	7/4/18								

C. Other Department Review:

Department Director

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

CONSULTANT SERVICES AUTHORIZATION NO. _____05___
Palm Beach County Water Utilities Department
Contract for Consulting / Professional Services – Wastewater Engineering Services
Resolution # R2017-0813 Contract Dated: June 20, 2017

Project Title: <u>Southern Region Water Reclamation Facility (SRWRF) – Blower Replacement and Design Build Criteria Report Preparation</u>

WUD Project No.: 18-067

Consultant: Brown and Caldwell (Corporation)

Address: 1475 Centrepark Boulevard, Suite 210, West Palm Beach, Florida 33401

Budget Line Item No. <u>4011</u> - <u>721</u> - <u>W010</u> - <u>6545</u>

District No.: 5

This Consultant Services Authorization (CSA) provides for services related to the preparation of preliminary design and Design Build Criteria report for the replacement of blower capacity at SRWRF. The preliminary design will be incorporated into the Design Build Criteria report. PBCWUD intends to utilize one of its Design-Build (DB) General Contractors to complete the design and implement the project. Consequently, the Design Build Criteria report is intended to refine the concept and project requirements while preserving adequate flexibility for the DB contractor. An engineer's opinion of probable construction cost will be included as part of the report.

(See ATTACHMENT A for detailed scope of services)

The Contract provides for $\underline{26.00}\%$ SBE participation. This Consultant Services Authorization includes $\underline{14.86}\%$ overall participation. The cumulative SBE participation, including this authorization is $\underline{24.31}\%$.

- 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 \$ 137,906.29
 - B. Fixed price of \$ N/A
 - C. Total \$ 137,906.29

CONSULTANT SERVICES AUTHORIZATION NO. ___05__ Palm Beach County Water Utilities Department Contract for Consulting / Professional Services – Wastewater Engineering Services Resolution # R2017-0813 Contract Dated: June 20, 2017

Project Title: Southern Region Water Reclamation Facility (SRWRF) – Blower Replacement and Design Build Criteria Report Preparation

Project No. WUD: 18-067

- 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.
- 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 to perform as an SBE).
- 6. This Authorization does not amend, change, or modify the Contract dated <u>June 20, 2017</u> 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. ___05__ Palm Beach County Water Utilities Department Contract for Consulting / Professional Services – Wastewater Engineering Services Resolution # R2017-0813 Contract Dated: June 20, 2017

Project Title: Southern Region Water Reclamation Facility (SRWRF) – Blower

Project No. WUD: <u>18-067</u>

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

Replacement and Design Build Criteria Report Preparation

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

Sharon R. Bock, Clerk & Comptroller, Palm Beach County	Palm Beach County,
ATTEST:	Board of County Commissioners
Signed:	Signed:Melissa McKinlay, Mayor
Typed Name: Deputy Clerk	
Deputy Clerk	Date JcS
Approved as to Form and Legal Sufficiency	CONSULTANT
Signed:	
	(Signature)
Typed Name: County Attorney	Albert Perez, Vice-President .
County Attorney	(Name and Title)
	8-6-18
STATE OF FLORIDA	Date
COUNTY OF falm Beach	
The foregoing instrument was acknowledged before me the	nis <u>un</u> day of <u>August</u> , <u>2018</u> ,
by Mount Perez as New P	y .
for <u>brown</u> and <u>caldwell</u>	usonna Prusully milh nature of Notary Public - State of Florida)
Commission # GG 8185 My Commission Expires	nature of Notary Public - State of Florida) Stamp Commissioned Name of Notary Public)
	• •
Personally Known X OR Produced Identification	rype of Identification Produced

OF BROWN AND CALDWELL, A CALIFORNIA CORPORATION

I, the undersigned, do hereby certify that:

- 1. I am the duly elected and acting Secretary of Brown and Caldwell, a California corporation, and am keeper of the corporate records and seal of said corporation.
- 2. At the annual meeting of the Board of Directors on February 1, 2018, the following resolution was adopted:

BE IT RESOLVED that appointment of the individuals, whose names appear on the attached list titled Brown and Caldwell Directors and Officers with Signature Authority – January 2018, to the offices indicated is approved and ratified effective January 1, 2018, unless otherwise indicated; and

BE IT FURTHER RESOLVED that said individuals are appointed to hold the office indicated at the pleasure of the Board of Directors of this corporation until the next annual meeting of the Board of Directors of this corporation or until his/her respective successor is elected or qualified, or until his/her earlier resignation; and

BE IT FURTHER RESOLVED that these individuals are authorized to financially commit the corporation in accordance with the Company procedures and policies within his/her respective area of responsibility or as stated in the Bylaws.

3. Albert Perez is a Vice President of Brown and Caldwell, is so identified in the February 1, 2018, resolution referenced above, and in that capacity, is duly authorized to financially commit the corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of the Corporation this 30^{th} day of May, 2018.

SIGNED:

ROBERT D. GOODSON, Secretary

(SEAL)

BROWN AND CALDWELL A CALIFORNIA CORPORATION

CORE OFFICERS

Richard M. D'Amato

Chief Executive Officer, President

1527 Cole Boulevard, Suite 300

Lakewood, CO 80401

Craig Goehring

Executive Chairman, Board of

Directors

201 N. Civic Drive

Walnut Creek, CA 94596

Sharon Stecker

Senior Vice President

2 Park Way, Suite 2A

Upper Saddle River, NJ 07458

Amy E. Fairbank

Senior Vice President, Treasurer

1527 Cole Boulevard, Suite 300

Lakewood, CO 80401

Robert D. Goodson

Senior Vice President, Secretary

201 N. Civic Drive

Walnut Creek, CA 94596

DIRECTORS

Craig Goehring

Executive Chairman, Board of

Directors

201 N. Civic Drive

Walnut Creek, CA 94596

Richard M. D'Amato

Chief Executive Officer, President

1527 Cole Boulevard, Suite 300

Lakewood, CO 80401

Sharon Stecker

Senior Vice President, Director

2 Park Way, Suite 2A

Upper Saddle River, NJ 07458

Louis M. Miramontes

Director

201 N. Civic Drive

Walnut Creek, CA 94596

Russell J. Harrison

Director

201 N. Civic Drive

Walnut Creek, CA 94596

Charles W. Reese

Director

201 N. Civic Drive

Walnut Creek, CA 94596

LIST OF ATTACHMENTS

CONSULTANT SERVICES AUTHORIZATION NO. ____05___
Palm Beach County Water Utilities Department
Contract for Consulting / Professional Services – Wastewater Engineering Services
Resolution # R2017-0813 Contract Dated: June 20, 2017

ATTACHMENT - A Scope of Services

ATTACHMENT - B Summary and Status of Authorizations

ATTACHMENT - C SBE Schedule 1 and 2

ATTACHMENT - D Project Schedule

ATTACHMENT - E Budget Summary

ATTACHMENT - F Summary of SBE/Minority Business Tracking

ATTACHMENT - G Location Map

ATTACHMENT A

SCOPE OF SERVICES

Project No. WUD 18-067

Project Title: Southern Region Water Reclamation Facility (SRWRF) – Blower Replacement and Design Build Criteria Report Preparation

CONSULTANT shall perform:

INTRODUCTION

Palm Beach County (COUNTY) entered into an agreement entitled Contract for Engineering/ Professional Services - Palm Beach County Water Utilities Department Project No. WUD 17-002 (CONTRACT) with <u>Brown and Caldwell</u> (CONSULTANT) to provide engineering services in support of its wastewater system (Reference Document R2017-0813). This Consultant Service Authorization will be performed under that CONTRACT.

This Consultant Services Authorization (CSA) encompasses providing services related to the preparation of a preliminary engineering design and design build criteria report for the replacement of blower capacity at the Southern Region Water Reclamation Facility (SRWRF).

BACKGROUND

Process air at the SRWRF is delivered through three 400 hp multi-stage centrifugal blowers located in Blower Building No.1 and two 700 hp single-stage blowers manufactured by Turblex in Blower Building No.2. An assessment of blower facility improvement needs was conducted as part of the Phase II Improvements Planning Level Validation Task 2 and Task 3 – Improvements Evaluation Technical Memorandum (IETM) (August 8, 2016, Hazen & Sawyer). That assessment recommended reliability improvements to address frequently recurring maintenance requirements for one of the 400 hp multi-stage blowers (Blower No.3) in Blower Building No.1 and risks associated with deferred maintenance on the single-stage blowers (Turblex) in Blower Building No.2. Concerns with the Turblex blowers arise due to their proprietary and complex technologies and the challenges associated with the negotiation of a maintenance service agreement with terms that are acceptable to the COUNTY. To address these concerns, the study recommended replacement of Blower No.3 (in Blower Building No.1) with a larger (600 hp) multi-stage blower and addition of a similarly sized multistage blower in the spare slot in Blower Building No.2. Under this approach, the two 700 hp single-stage Turblex blowers would be retained for redundancy and, possibly, later replaced with multistage blowers sized to meet future capacity needs. This previously recommended approach is referred to below as the Baseline Approach.

At the request of the Water Utilities Department (WUD), this engineering evaluation will confirm the blower sizing, make preliminary selections, and consider a Modified Approach that similarly replaces Blower No.3 with a larger multi-stage blower and evaluates the options to add a fourth multi-stage blower in Blower Building No.1. The Modified Approach would provide four duty blowers, two 400 hp and two new multi-stage blowers in Blower Building No.1. Under this arrangement, the connected duty load in Blower Building No.1 will increase by 800 hp if implemented per the recommendations of the 2016 IETM. The feasibility of this alternative

approach will depend inlarge part on the capacity of the electrical system in Blower Building #1 to accommodate the increased electrical load.

Consequently, an assessment of electrical capacity expansion needed to support the proposed arrangements is required. This analysis consists of the following primary objectives:

- 1. Assess electrical requirements for implementation of the Baseline and Modified blower location alternatives.
- 2. Develop 30% preliminary design and associated design criteria for the recommended alternative to define the scope of project requirements to be designed and delivered by others. (See Task 3 below)

SPECIAL CONSIDERATIONS

- 1. The Baseline Approach defined in the August 2016 IETM will be relied upon for characterization alternative, subject to validation defined herein.
- 2. The Design Build Criteria Report will define project requirements at a 30% percent level of design as a basis for setting performance specifications for use in defining the design builder's scope and contractual performance requirements.
- 3. PBCWUD intends to utilize one of its Design-Build (DB) Contractors to complete the design and implement the project. Consequently, the design development is intended to refine the concept and project requirements while preserving adequate flexibility for the DB contractor. The DB Contractor will be the Engineer of Record.

SCOPE OF SERVICES

CONSULTANT shall perform the Engineering Scope of Services as described herein. The proposed services will include the following tasks, organized into two parts:

Part 1 – Establish Requirements and Select Recommended Approach

- Preliminary Activities and Project Management (Task 1)
- Confirm Process Requirements (Task 2)

Part 2 – Preliminary Engineering Definition of Recommended Alternative

Prepare Design Build Criteria Report /Preliminary Design (Task 3)

PART 1 - ESTABLISH REQUIREMENTS AND SELECT RECOMMENDED APPROACH

The tasks included in this part will provide for verification of process requirements, and assessment of the adequacy of the space available for blower installation for the Baseline and Modified alternative locations. The selection of the recommended approach will be based on qualitative considerations.

Task 1 - Preliminary Activities and Project Management

CONSULTANT shall perform the following activities:

- 1.1 Perform general project coordination and administration activities including correspondence with the COUNTY, quality management, progress reporting, two (2) monthly meetings, and invoicing.
- 1.2 Prepare and submit an information request log sheet within 3 days of notice to proceed.

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- COUNTY shall furnish readily available information prior to the kickoff meeting to facilitate initial review and clarifications during the meeting.
- 1.3 Prepare for and attend a project kickoff meeting. The kickoff meeting will be held at the SRWRF site. An inspection of the blower facilities by electrical and process mechanical disciplines will be conducted in coordination with the meeting.

<u>Deliverables:</u>

- Information request log
- · Kick-off meeting agenda and minutes

Task 2 - Confirm Process Requirements

<u>Task Objective:</u> The purpose of this task is to assess air delivery system capacity requirements under minimum, average and maximum requirements relative to historical and potential future flow and organic loads.

Activities: Specific field investigation and related activities include:

- 2.1 Review and document historical flow, loadings and process air use for the past three years along with future projected loads and permit requirements, all as provided to the CONSULTANT by the COUNTY. The CONSULTANT will utilize data provided by the COUNTY to estimate a range of process aeration requirements for blower sizing.
- 2.2 Existing BioWin models of the plant will be reviewed and assessed relative to projected process aeration requirements. It is assumed herein that existing BioWin model runs are available for existing and future flow and loading conditions. Loading and flow data used in the prior models will be compared to the findings from Task 2.1, above. The addition of swing zones will be assessed to determine the impact on process air requirements for existing and future conditions. These analyses will provide a range of process aeration requirements for existing and future flows and loadings under the current process train arrangement with and without swing zones in the activated sludge unit process.
- 2.3 Assess adequacy of electrical service/substation transformer to support expanded power demand from each blower location alternative. Evaluate space requirement and adequacy of available space to accommodate the additional electrical gear required to support the addition of a fourth duty blower in Blower Building #1.
- 2.4 Develop qualitative considerations to assess the relative efficacy of the Baseline and Modified approaches that will serve as a basis for developing a recommended approach. Findings and considerations will be summarized in a PowerPoint presentation.
- 2.5 Prepare a Class V Opinion of Probable Construction Cost (OPCC) as defined by the Association for the Advancement of Cost Estimating (AACE) International for Baseline and Modified approaches.
- 2.6 Present findings of this analysis at a review meeting with WUD staff. This meeting will be used to discuss the approach selection considerations and develop agreement on the recommended blower expansion approach (Baseline vs. Modified). The recommended approach will be documented in the meeting summary.

Deliverables:

PowerPoint presentation, meeting agenda and summary

PART 2 - PRELIMINARY ENGINEERING DEFINITION OF RECOMMENDED ALTERNATIVE

The task presented below will develop and document a Design Build Criteria Report / Preliminary Design for the recommended approach.

Task 3 - Prepare Design Build Criteria Report

<u>Task Objective:</u> Assess the recommended alternative and develop preliminary design drawings, technical memorandums for each discipline, and Class IV Cost Estimate which will be included in the Design Build Criteria Report. The Design Build Criteria Report will be utilized by one of PBCWUD's Design-Build (DB) General Contractors to complete the design and implement the project. Consequently, the design development is intended to refine the concept and project requirements while preserving adequate flexibility for the DB contractor. Specific activities include the following:

- 3.1 Select preferred alternative blower systems and develop blower design criteria.
- 3.2 Develop scope of electrical improvements required to support the recommended alternative. Determine air conditioning system improvements needed to handle the increased heat load. Prepare Electrical drawings at the preliminary design level for the selected alternative, including a technical memorandum summarizing the ancillary improvements and recommendations. Includes QA/QC reviews.
- 3.3 Develop scope of mechanical improvements required to support the recommended alternative. Prepare Mechanical plan view drawings at the preliminary design level for the selected alternative, process flow diagram showing the prosed blowers integrated into the existing process aeration system and a technical memorandum summarizing ancillary improvements and recommendations. Includes QA/QC reviews.
- 3.4 Develop scope of Instrumentation and Controls (I&C) improvements required to support the recommended alternative. Identify control system integration requirements for selected alternative. Prepare Instrumentation and Control drawings at the preliminary design level, Motor Control Center (MCC) layout drawing, Process and Instrumentation Diagram (P&ID) that shows existing with new/proposed integrated, and a technical memorandum summarizing controls description for the selected alternative and recommendations. Includes QA/QC Reviews.
- 3.5 Prepare a Class IV Opinion of Probable Construction Cost (OPCC) as defined by the Association for the Advancement of Cost Estimating (AACE) International for the estimated construction cost of the recommended blower / ancillary improvements.
- 3.6 Prepare a power point and present findings developed in Task 3 at a review meeting with WUD staff. Key findings will be included in the presentation and resulting recommendations will be documented. Meeting summary and the materials will be updated to reflect comment feedback received.
- 3.7 Prepare and submit Design Build Criteria Report. The report includes narrative of the

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findings and recommendations for the replacement of the blowers and ancillary improvements, preliminary design drawings (electrical, mechanical and instrumentation and controls), blower cut sheets, layout and process flow diagram, preliminary calculations, and a Class IV Opinion of Probable Construction Cost. This will be the final project deliverable and will be developed with the intent of conveying design criteria and engineering concepts to the selected design-build team.

Deliverables:

- Design Build Criteria Report
- PowerPoint Presentation
- · Review Meeting agendas and summary

ASSUMPTIONS

- PBCWUD shall furnish a copy of its existing, functional BioWin model for use in the analysis. This effort does not include independent validation or calibration of the model.
- 2. PBCWUD will furnish record drawings, operating data and other available information deemed necessary to support the analysis.
- 3. PBCWUD will furnish existing Cad files of the blower system at SRWRF.
- 4. Expansion of Blower Building #1 will not be required. Consequently, it is assumed that site civil, structural and architectural discipline services will not be required and therefore fee budget has not been included for these disciplines.
- 5. The following items are not included in this scope of services:
 - o Site Development Requirements
 - o Legal Description of the Site
 - Survey and Subsurface Utility Investigations Concerning the Site
 - o Design and Construction Schedule
 - o Provisions for Utilities
 - Stormwater Retention and Disposal
 - o Parking Requirements
 - o Permitting Services
 - Services during Design Builder contracting, design, construction and start-up.
- 6. Preliminary designs are provided as a basis for a subsequent design-build procurement by PBCWUD, where a design-builder will validate the design and be afforded the flexibility to offer modifications or alternatives deemed necessary to meet PBCWUD's performance requirements.
- 7. PBCWUD will provide performance requirements to the design-builder under Contract with PBCWUD.

COUNTY'S RESPONSIBILITIES

- 1. Attend and participate in progress meetings, site visit, as necessary.
- 2. Furnish pertinent reports, data, drawings and other available information.

ATTACHMENT B

SUMMARY AND STATUS OF CONSULTANT SERVICES AUTHORIZATIONS

Auth. No.	WUD Project No.		Status	Project Total Amount	SBE Total Amount	SBE Participation %		ved Date
01		Pahokee WWTF Process and Hydraulic Modeling	Approved	\$49,717.48	\$18,800.00	37.81%	Jim Stiles, Director	8/15/2017
02	17-078	Pahokee WWTF Facilities Planning	Approved	\$196,157.09	\$51,221.44	26.11%	Board of County Commissioners	11/7/2017
02.1		Pahokee WWTF Facilities Planning	Approved	\$0.00	\$0.00	0.00%	Jim Stiles, Director	5/25/2018
03		Regional Reclaimed Water Master Plan	Approved	\$188,362.47	\$48,575.00	25.78%	Board of County Commissioners	06/19/2018
04		SRWRF Plant O&M Manual Digestion Chapter Update	Pending	\$110,971.67	\$9,241.44	\$8.32%	Board of County Commissioners	Pending
05	18-067	SRWRF Blower Capacity Replacement	Pending	\$137,906.29	\$20,500	14.86%	Board of County Commissioners	Pending

ATTACHMENT C SCHEDULE 1

LIST OF PROPOSED SBE-M/WBE PARTICIPATION

PROJECT NAME OR BID NAME: SRWRF Blower Replacement and Design Build

PROJECT NO. OR BID NO.: 18-067

Criteria Report Preparation

NAME OF PRIME BIDDER: Brown and Caldwell (Corporation)

ADDRESS: 1475 Centrepark Blvd., Suite 210, West Palm Beach, FL 33401

CONTACT PERSON: Albert Perez, P.E. Vice-President

appropriate category.

M/WBE information is being collected for tracking purposes only.

PHONE NO.: <u>561-684-3456</u> **FAX NO.:** <u>561-684-9902</u>

Revised 7/2/2013

BID OPENING DATE: N/A

USER DEPARTMENT: Water Utilities Department

THIS DOCUMENT IS TO BE COMPLETED BY THE PRIME CONSULTANT AND SUMBITTED WITH BID PACKET. PLEASE LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT AND/OR PERCENTAGE OF WORK TO BE COMPLETED BY ALL SBE -M/WBE'S ON THIS PROJECT. IF THE PRIME IS AN SBE-M/WBE, PLEASE ALSO LIST THE NAME, CONTACT INFORMATION AND DOLLAR AMOUNT AND/OR PERCENTAGE OF WORK TO BE COMPLETED BY THE PRIME ON THIS PROJECT. THE PRIME AFFIRMS THAT IT WILL MONITOR THE SBES LISTED TO ENSURE THE SBES PERFORM THE WORK WITH ITS OWN WORKFORCE.

Name, Address and Phone Number	Check one or both	n Categories) SBE		DOLLAR AMOU	NT AND/OR PER	CENTAGE OF WO	<u>RK</u>
rame, Address and Fibric Fulliber	Minority Business	Small Business	Black	Hispanic	Women	Caucasian	Other (Please Specify)
1. Smith Engineering Consultants, Inc. 2161 Palm Beach Lakes Blvd., Suite 312 West Palm Beach, FL 33409 Phone: 561-616-3911			Section 2 will be considered to the construction of the constructi	n et de la companya de la compa	то чен бы бай от при страниция в серений	\$20,500	n til til det statistikke film en statistikke film en film en statistikke film en film en film en film en film Hindustrik film en film
2.							
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Please use additional sheets if necessary)	Т	otal				\$20,500	
otal Bid Price \$ <u>137,906.29</u>	,	Total SBE-M/W	BE Participation D	ollar Amount and/or Ps	rcentage of Work 1	4.86%	
hereby certify that the above information accurate to the best of my	knowledge:	Albert Perez, P	~	Signatu	IITE:	Vio	ce President Title
IOTE: 1. The amount listed on this form for a SBE-M/WBE P counted toward goal attainment. 2. Firms may be certified by Palm Beach County as an		SULTANT mu	st be supported by p	orice or percentage liste	d on the signed Sche		al in order to be

ATTACHMENT C

OSBA SCHEDULE 2 LETTER OF INTENT TO PERFORM AS AN SBE-M/WBE

This document must be completed by <u>ALL</u> SBE-M/WBE's and submitted with this bid packet. Specify in detail, the particular work items to be performed and the dollar amount and/or percentage for each work item. SBE credit will only be given for items which the SBE-M/WBE's is certified to perform. Failure to properly complete Schedule 2 will result in your SBE participation not being counted.

PROJECT	NUMBER: <u>18-067</u>	PROJEC	T NAME: <u>Southern</u> <u>Replace</u>	Region ment ar	n Water Reclamat nd SDesign Build	tion Facili Criteria R	ty (SRWRF) Blower Capacity Leport Preparation
TO: <u>Bro</u>	wn and Caldwell (G	Corporation)	(Name of Prime	D: J.J.			
7531 4							
		Palm Beach County	as a - (check one o	or more,	. as applicable):		
Small Busi	ness Enterprise	X	Minority B	Business	Enterprise		
Black	Hispanic	Women	Caucasian	<u>X</u>	Other (Please	Specify)_	
Date of Pal	m Beach County C	ertification: 10-	21-2015		ari	Committee of the Sandandara Stark.	•
Necessary Line Item/	igned is prepared t	o perform the follow	ring described work Oty/Units			above pro	oject. Additional Sheets May Be Used As Total Price/ Percentage
<u>IE</u>	lectrical Engineerin	g Services	1/ea			,500	\$20.500/14.86%
				-	produces condition of the property	TO THE OWNER, WITH THE REAL AND A	MATERIAL SECTION SECTION AND ADMINISTRATION OF THE SECTION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION AND ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRATION ADMINISTRATION AND ADMINISTRATION ADMINISTRA
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at the follow	wing price or percer	ntage \$20,500.00				•	
			(SBE PHI	me or 8	ubCONSULTAN	H's Quote	e)
the name o	f that subCONSU	Desubcontract any part of the and the	ount below.		tified SBE-M/W	/BE or a i	non-SBE subCONSULTANT, please list
	The Desire of States of St		destants and department and departme	(Name of SubCO	NSULTA	NT)
undersigne	d SBE-M/WBE Pi	monitor the SBE-N ime or SBE-M/WE n-certified SBE or an	E subCONSULTA	.NT aff	firms that it has t	the resour	he work with their own work force. The ces necessary to perform the work listed noted above.
The unders providing q	signed subCONSUI puotations to other b	TANT understands idders.	that the provision	of this	s form to Prime	Bidder do	pes not prevent SubCONSULTANT from
					Smith	Engineeri	ng Consultants, Inc.
							name of M/WBE Company
						O POLO	
					By:	A CONTRACTOR OF THE PARTY OF TH	
						(Sign	ature)
					Larry M. St		
					Print name/t		son executing on behalf -M/WBE
Revised 7/2	2/2013				Date:	8	378
							•

ATTACHMENT - D

PROJECT SCHEDULE

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

Engineering Services

Completion Date from Notice to Proceed

(Calendar Days)

Task 1: Preliminary Activities & project Management Deliverable:	
Request for Information	5
Task 2: Confirm Process Requirements Deliverable:	
 Prepare and Present Findings to WUD 	42
Task 3: Design Build Criteria Report Deliverables:	
 Prepare and Present Findings to WUD 	98
 Prepare and Submit Design Build Criteria Report 	112

ATTACHMENT - E BUDGET SUMMARY

Palm Beach County Water Utilities Department

Contract for Consulting/Professional Services - Wastewater Engineering Services

Resolution#: R2017-0813

Contract Date: June 20, 2017

Construction Services Authorization: 05 Consultant: Brown and Caldwell (Corporation)

Project Name: Souther Region Water Reclamation Facility (SRWRF) Blower Replacement and Design Build Criteria Report Preparation

WUD Project No.: 18-067

BUDGET SUMMARY

	BUDGE I SUIVIVAR Y																							
Task Number	Task Description	Vice- President	Supervising Engineer	Supervising Engineer	Supervising Engineer	Senior Engineer	Cost Estimator	Senior Engineer	Engineer 2	Project Administrator	Project Analyst	Engineer 1	Principal Engineer	Managing	Chief Engineer	Senior Designer	Principal Designer	Supervising Const. Engineer	Sr. Const. Engineer	Inspector 1	Total Hours	Total BC Labor	Sub-Consultan Services	t Total Task Labor
1	Preliminary Activities and Project Management	2	30	14	- 0	2	0	0	8	6	20	0	.0	- 0	0	0	0	0	0	0	82	\$13,555.26		
1,1	Project Coordination	0	24	4	0	0	0	0	0	6	20	0	0	0	0	0	0	0	0	0	0	\$8,257.14		
1.2	Prepare and Submit Information Request Log Sheet	0	0	2	0	2	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	\$1,165.08		
1.3	Prepare for and attend Project Kickoff Meeting	2	6	8	0	0	0	0	4	0	0	0	0	D	0	0	0	0	0	0	0	\$4,133.04		
	Deliverable: Information request log , kick off meeting agenda & minutes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$0,00		
	(Electrical Subconsultant - SEC)				F-1 15.55																		\$3,300.12	
	Subtotal Task 1												1	45.					<u></u>				To the Line Section	\$16,855.38
2	Confirm Process Requirements	4	8	31	16	72	24	0	54	4	0	0	0	0	0	0	0	0	0	0	213	\$33,800.13		
2.1	Review air flow data, projected load and permit requirements	0	0	2	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$1,584.66		
2.2	Review and Assess exit, BioWin Model	0	0	4	16	32	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	\$9,691.92		
2.3	Assess adequacy of electrical service to support expansion	0	0	- 5 8	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	\$1,537.41		
2.4	Assess the efficacy of Baseline and Modified Approaches	0	2 2	2	0	32 0	24	0	32	0	0	0	0	0	0	0	0	0	0	0	0	\$10,931.88 \$5,003,82		re en
2.5	Prepare Class V Cost Estimate of both Baseline and Modified Approaches Prepare and present findings to WUD staff; QA/QC	2	4	10	0	0	0	0	10	4	0	0	0	0	0	0	0	0	0	1 0	0	\$5,050,44		
	Prepare and present midings to woodstain; באין פני Deliverable: Power point, meeting agenda & summary	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			40,000.44		
	(Electrical Subconsultant - SEC.)			S. S. Salar	F 27 S430	455600	STAFTED S		la successive		140 100			REPRES	TO STATE OF STREET	SEC. 2001-201	358 E39 1-2	1818 (1948)	250,000	TO PERSONAL PROPERTY.			\$6,000.24	
	Subtotal Task 2						2007 2007 2007	C				19.24	10000 10000	4 50 00 00 00 00	1.00	3 to 10 10 10 10 20 1			STEEL CO. W. P. CO. T.		the gate part of the training	- 14 11 S, 1941 FL L		\$39,800.37
3	Design Build Criteria Report / Preliminary Design	10	24	92	8	24	24	80	170	24	0	0		0	0	0	0	0	0	0	456	\$69,300.90		
3.1		4	0	20	8	24	0	0	32	р	0	0	0	0	0	0	0	0	0	0	0	\$14,533,80		
3.1	Select preferred alternative blower system and develop dsign criteria Develop scope of electrical improvements & 30% design, TM: QA/QC	- 0	4	12	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	\$4,593,90		55.65E.00
3.3	Develop scope of mechanical improvements & 30% design, TM: QA/QC	0	2	16	0	0	0	0	80	0	0	0	0	0	0	0	0	0	0	0	0	\$12,734.40		
3.4	Develop scope of I&C improvements & 30% design, TM; QA/QC	0	2	12	0	0	0	80	14	4	0	0	0	0	0	0	0	0	0	0	0	\$16,355.58		
3.5	Prepare Class IV Cost Estimate for recommendwed improvements	0	2	6	0	0	24	0	4	4	0	0	0	0	0	0	0	0	0	0	0	\$6,131.10		
3.6	Prepare and present findings to WUD staff	2	6	10	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	\$5,231.52		
3.7	Prepare and submit Design Build Criteria Report	4	8	16	0	0	0	0	20	16	0	0	0	0	0	0	0	0	0	0	0	\$9,720.60		
	Deliverable: Design Build Criteria Report, Power point, agenda and minutes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			Santa Maria	
	(Electrical Subconsultant - SEC)	30 (32%)		<u> 49-4119</u>		e-1500	10 = P3 (6 P4)					(1) (1) (1) E	<u> </u>	<u> </u>		M. Para (1)	<u> 2-400000</u>	1,-11,-15,-				型型工作。 1000年 1000	\$11,100.60	\$80,401,50
	Subtotal Task 3	16	62	137	24	98	4R	80	232	34	20	0	0		Τ ο	0	T 0			Τ ο	Constanting Spekky	FS-American State (State)		\$80,401.50
	Labor Subtotal Hours Labor Raw Costs	\$ 107.78	\$ 71.68	\$ 73.19										<u> </u>				\$ 72.87	0 \$ 48.30					
	Labor Multiplier	3.00		3.00			3.00	3,00			+		-	+										
			\$ 13,332.48								\$ 1,844.40			+	\$ -	\$ -	+		\$ -	\$ -			4.0394	
	Labor Total				•																	\$ 116,656.29		
	and the first of the contract						A 12-12-1		25.5					1720	1 2 3 75 - 6 - 5	32 32 34 2	25.55 24						\$20,400,96	
	Subconsultant Labor Total Subconsultant Multiplier			-					-														\$20,400.96 1.00	
	Subconsultant Multiplier Subconsultant Labor Sub-Total																						\$20,400.96	
				att fan it de			27/2017 27									D. 5044 1			Education Visit			~~~	and the same of	35,87,5,37
	Reimbursables Subconsultant (See attached proposal from SEC)																					6776.00	\$99.04	rangulahan apaka
	Reimbursables BC (See attched breakdown of reimbursables) Reimbursables Total																					\$750.00		\$849
Granden vid		200000000000000000000000000000000000000	are received	- 14-L- Julia	e jakoj sy jivesan		- 2 - 0-11-0-1	**************************************	- 1 - 1/2 1/2 - 1/2	Competition of			512-73-0LUN	activities and	to a suppose			112001 3000				1200 / 400 / 1000	5740 K. T. L. BUJAN (1940)	COLUMN CONTRACTOR DE LA COLUMN
	Subconsultant Total (Labor & Reimbursables)																							\$20,500
100 - 31	BC Sub-Total (Labor & Reimbursables)					77 20 112 11									w		. ,							\$117,406
	PROJECT TOTAL																							\$137,906.29

						Brea	kdow	n of Tra	vel Cos	its											
		Flights (Co	ech)		Lodgin	ıg		Food Per Diem		Car Rental			Gasoline						ge		
	Number of Flights	Cost of Flight	Total Cost	Nights	Daily Cost	Total Cost	Days	Daily Cost	Total Cost	Days	Daily Cost	Total Cost	Miles	Miles Per Gallon	Gallons	Dollars Per Gallon	Total Cost	Miles	Mileage Rate	Total Cost	Total Travel Cost
Task 001																					
Description: Travel to and from PBCWUD offices for 3 staff members for kick-off meeting and for other coordination meetings as required.	0		\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	25	0.0	\$3.00	\$0.00	65.0	\$0.540	\$35.10	\$35.10
Totals For Task 001			\$0.00			\$0.00			\$0.00			\$0.00					\$0.00			\$35.10	\$35.10
Task 002																					
Description: Travel to PBCWUD offices. Two meetings: 1) coordination meeting(2 BC staff members) and 2) Power point presentation, review meeting with PBCWUD staff (3 BC staff members)	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	25	0.0	\$3.00	\$0.00	105.0	\$0.540	\$56.70	\$56.70
Totals For Task 002			\$0.00			\$0.00			\$0.00			\$0.00					\$0.00			\$56.70	\$56.70
Task 003	·												•								
Description: Travel to PBCWUD offices. Two Meetings. One coordination meeting and onepower point presentation/review meeting with PBCWUD staff. Present Final Design Build Criteria Report.	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	\$0.00	\$0.00	0	25	0.0	\$3.00	\$0.00	105.0	\$0.540	\$56.70	\$56.70
Totals For Task 003			\$0.00			\$0.00			\$0.00			\$0.00					\$0.00			\$56.70	\$56.70
Totals for Task Order																		275	\$0.540	\$148.50	\$148.50

Other Direct Cost Roll-up Table Reimbursable Items by Task Task Number **Total Units** Cost Item unit Task 1.0 cost per unit Task 2.0 Task 3.0 Printing and Mailing Black & White Copies (8.5x11) each \$0.10 40 80 120 240 \$24.00 Black & White Copies (11x17) each \$0.20 0 10 30 40 \$8.00 Binding Drill 3 Hole Screw Post each \$5.00 0 6 12 \$60.00 6 Color Copies (8.5x11) \$1.00 each 40 80 120 240 \$240.00 Color Copies (11x17) \$2.00 0 5 10 15 \$30.00 each Blueline/Blackline Copies (22x34) \$1.50 0 0 133 133 \$199.50 each Mylar Plots \$7.50 0 0 0 0 \$0.00 each Fedex each \$20.00 0 0 2 2 \$40.00 **Total Printing and Mailing Costs** \$44.00 \$130.00 \$427.50 \$601.50 Travel See Travel Cost Detail Table \$35.10 \$56.70 \$56.70 \$148.50 **Total Travel Costs** \$35.10 \$56.70 \$148.50 \$56.70 **ODC's Totals** \$79.10 \$186.70 \$484.20 \$750.00

July 26, 2018

Mr. Jorge A. Jaramillo, P.E. Brown and Caldwell 1475 Centrepark Boulevard, Suite 210 West Palm Beach FL 33401

Re: PBC WUD SRWRF Blower Capacity Replacement Conceptual Engineering Report Electrical Engineering Services Proposal

Dear Jorge:

Smith Engineering Consultants, Inc. (SEC) is pleased to provide this proposal for the above referenced project. We propose to provide the following scope of services:

Task 1 – Preliminary Activities and Project Management (Fee = \$3,300.12)

- Perform general project coordination and administration activities. Attend two (2) project coordination meetings with Palm Beach County.
- 1.3 Prepare for and attend a project kickoff meeting and inspect blower facilities.

Task 2 – Confirm Process Requirements (Fee = \$6,000.24)

- Assess adequacy of electrical service/substation transformer to support expanded power demand from each blower location alternative. Evaluate space requirement and adequacy of available space to accommodate the additional electrical gear required to support the addition of a fourth duty blower in Blower Building #1.
- 2.5 Assist in the preparation of a Class V Opinion of Probable Construction Cost (OPCC) as defined by the Association for the Advancement of Cost Estimating (AACE) International for Baseline and Modified approaches.
- 2.6 Assist in the preparation of a PowerPoint presentation, and attend a review meeting with WUD staff.

Task 3 – Blower Selection and Ancillary Improvements (Fee = \$11,100.60)

3.3 Assist with the identification of conceptual control system integration requirements for selected alternative.

2161 Palm Beach Lakes Blvd., Suite 312 West Palm Beach, FL 33409

(561) 616-3911 Fax (561) 616-3912



- 3.4 Develop scope of electrical improvements required to support the recommended alternative. Determine air conditioning system improvements needed to handle the increased heat load. Prepare Electrical drawings at the preliminary design level for the selected alternative, including a technical memorandum summarizing the ancillary improvements and recommendations.
- 3.7 Assist in the preparation of a Class IV Opinion of Probable Construction Cost (OPCC) as defined by the Association for the Advancement of Cost Estimating (AACE) International for the estimated construction cost of the recommended blower / ancillary improvements.
- 3.8 Assist in the preparation of a PowerPoint presentation, and attend a review meeting with WUD staff.
- Assist in the preparation and submit Design Build Criteria Report (electrical part only). The report includes narrative of the findings and recommendations for the replacement of the blowers and ancillary improvements, preliminary design drawings (electrical, mechanical and instrumentation and controls), blower cut sheets, layout and process flow diagram, preliminary calculations, and a Class IV Opinion of Probable Construction Cost. This will be the final project deliverable and will be developed with the intent of conveying preliminary design requirements to the selected design-build team.

$\underline{\text{Misc.}} - \underline{\text{Printing, etc.}}$ (Fee = \$99.04)

Deliverables:

- Design Build Criteria Report
- PowerPoint Presentation slides (including preliminary electrical layouts and single line diagram(s))

SEC shall perform the services defined in this scope of work for the lump sum fee of \$20,500. Thank you for using Smith Engineering Consultants as the source for these engineering services. We look forward to working with you on this project.

Şincerely

Larry M. Smith, P. E.

President

	Cost Brea							
	Smith Engineer	ring Cons	sultants,	Inc.				
	DUPOET ALWANDS		<u> </u>					
	BUDGET SUMMARY	7	1	1	T	Т		T
				1-1	1			
			1		Classification and Ho	ourly Hate	1	r
Task		Principal	Engineer	Asst.	Dasianas	Olement	7-4-4	Sub
Number	Task Description	\$50.00	\$41.67	Engineer \$31.67	Designer \$21.67	Clerical \$15.00	Total Labor	Consultant Services
ranibei	T LON DOSCHIPTION	Ψ30.00	φ41.07	φ31.07	φ21.07	\$15.00	Labor	Services
	SRWRF Blower Replacement Study							
1	Preliminary Activities and Project Management (Kickoff meeting and two coordination meetings)	12	2 12	2 0	(3300.12	
							0000112	
2	Confirm Process Requirements	20	24	C	C) (6000.24	
3	Blower Selection and Ancillary Improvements	24	60) 0	C) (11100.6	
	Subtotal	56	96	0	0	0		
	Labor Subtotal Hours	56	96	0	0			
	Labor Raw Costs	50			21.67			
	Labor Multiplier	3		3	3			
	Labor SubTotal	\$ 8,400.00	\$ 12,000.96	\$ -	\$ -	\$ -	\$ 20,400.96	\$0.00
						Misc.	\$99.04	
	Subconsultant Labor Total						\$0.00	
	Subconsultant Multiplier						1.1	
	Subcontract Total						\$0.00	
	Project Total						\$ 20,500.00	

ATTACHMENT - F

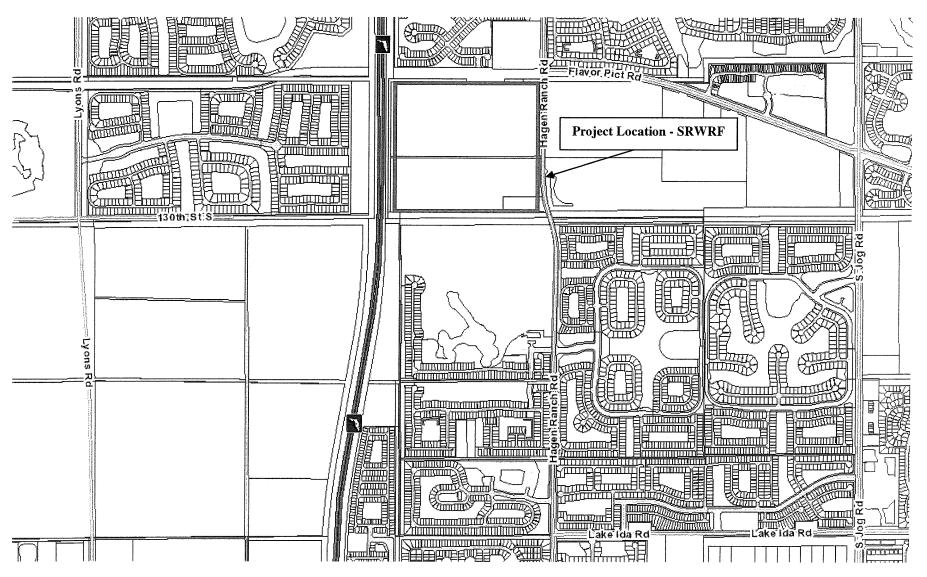
Palm Beach County Water Utilities Department
Contract for Consulting / Professional Services–Wastewater Engineering Services
Resolution # R2017-0813 Contract Dated: June 20, 2017

AUTHORIZATION STATUS REPORT

SUMMARY OF SBE-M/WBE MINORITY BUSINESS TRACKING

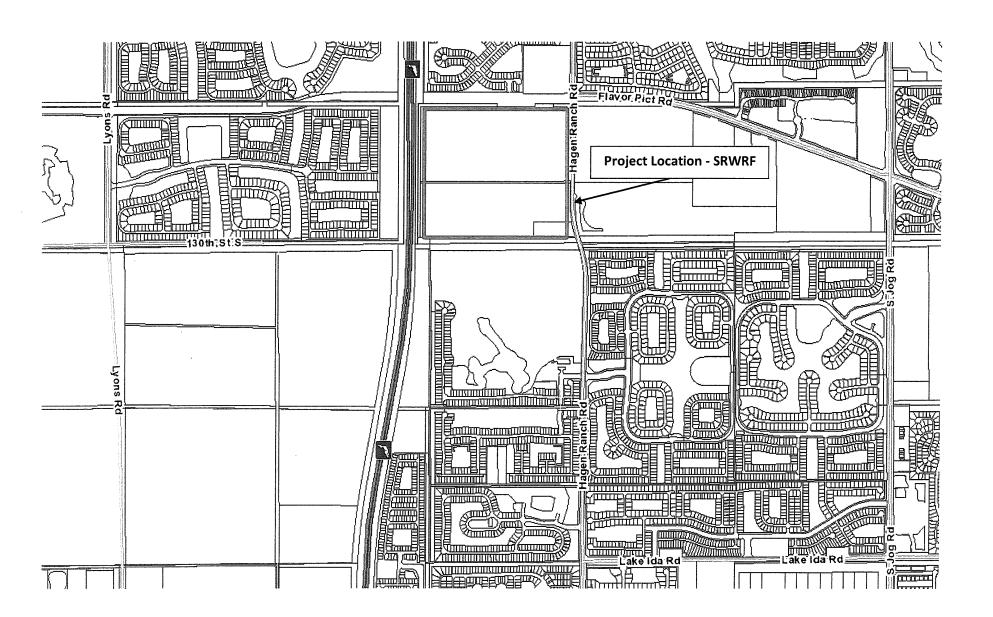
Master Contract Goal: <u>26%</u> (%)	SBE
Current Proposal	
Value of Authorization No. <u>05</u>	\$137,906.29
Value of SBE-M/WBE Letters of Intent	\$20,500.00
Actual Percentage	<u>14.86</u> _ %
Signed/Approved Authorizations	
Total Value of Authorizations	\$434,237.04
Total Value of SBE-M/WBE Signed Subcontracts	\$118,596.44
Actual Percentage	<u>27.31</u> %
Signed/Approved Authorizations Plus Current Proposal	
Total Value of Authorizations	\$572,143.33
Total Value of Subcontracts & Letters of Intent	\$139,096.44
Actual Percentage	24.31 %

ATTACHMENT – G Location Map



WUD 18-067 Southern Region Water Reclamation Facility (SRWRF) - Blower Replacement and Design Build Criteria Report Preparation

ATTACHMENT - 2 Location Map



Override

ATTACHMENT 3

Summary of Certificates

This report displays detailed Certificate of Insurance information for a selected Insured. Any items shown in red are deficient.

Monday, July 09, 2018

Simple View Certificate Images Documents

Insured: **Brown and Caldwell**

Insured ID: 17-002-PBC

Status:

Compliant

ITS Account Number:

PLC2671

Project(s):

Palm Beach County - Water Utilities

Insurance Policy Required Provided **General Liability** Expiration: 5/31/2019 **General Aggregate:** \$500,000 \$2,000,000 **Products - Completed Operations** \$0 \$0 Aggregate: Personal And Advertising Injury: \$0 \$0 **Each Occurrence:** \$500,000 \$1,000,000 Fire Damage: \$0 \$0 **Medical Expense:** \$0 \$0 Automobile Liability **Any Auto** not provided All Owned Autos Expiration: 5/31/2019

WC Stat. Limits

XXX **Hired Autos** not provided **Non-Owned Autos** not provided

WC Stat. Limits

Combined Single Limit:

\$500,000 \$1,000,000

Workers Compensation/Employers

<u>Liability</u>

Expiration: 5/31/2019 Professional Liability Expiration: 5/31/2019

> **Each Occurrence:** \$3,000,000 \$3,000,000 **Aggregate Limit:** \$3,000,000 \$3,000,000

Notifications (Show All)

The following letters were issued:

May 08 2018 - Renewal Letter

Do you have an updated Certificate? Click the button below to submit a Certificate.

Certificate Submittal

https://its.insurancetrackingservices.com/clientreports/ProblemsSpecificRpt.asp

7/9/2018