PALM BEACH COUNTY BOARD OF COUNTY COMMISSIONERS

AGENDA ITEM SUMMARY

Meeting Date:	February 11, 2025	Consent [X] Public Hearing []	Regular []

Department:

Water Utilities Department

I. EXECUTIVE BRIEF

Motion and Title: Staff recommends motion to receive and file: Two (2) executed Standard Potable Water and Wastewater Development Agreements for the month of October 2024, one (1) Change Order No. 3 with Johnson-Davis Incorporated, one (1) Change Order No. 3 with Youngquist Brothers LLC, and two (2) grant applications for Florida Department of Environmental Protection (FDEP) Resilient Florida projects, which were submitted on September 1, 2024.

- A) Standard Potable Water and Wastewater Development Agreement with Posh Hospitality No 3, Congress Avenue LLC, SDA #01-01283-000 (District 3), Recorded in OR BK 35342 PG 1410.
- B) Standard Potable Water and Wastewater Development Agreement with Zak Real Estate, LLC, SDA #02-01180-000 (District 6), Recorded in OR BK 35351 PG 1529.
- C) Palm Beach County Water Utilities Department (PBCWUD) Project No. 15-013 Change Order No. 3 to Water Main Improvements (Contract) (R2022-0561) with Johnson-Davis Incorporated (Contractor) to extend the Contract for an additional 90 day period.
- D) PBCWUD Project No. 18-066 Change Order No. 3 to Water Treatment Plant No. 2 Treatment and Disposal Improvements Design Package 2-Deep Injection Well (Contract) (R2022-0119) with Youngquist Brothers LLC to extend the Contract for an additional 118 day period.
- E) PBCWUD Project No. 19-035 Western Region North Wastewater Treatment Facility and Wet Weather Improvements (WRNWWTF Project) grant application for funding support of approximately \$7,000,000.
- F) Future Project WRWWTF Electrical Building Replacement (WRWWTF Electrical) grant application for funding support of approximately \$20,000,000.

Summary: In accordance with County PPM CW-O-051, all delegated contracts/ agreements/grants/ procurement items must be submitted by the initiating department as a receive and file agenda item and attached, unless the documents have been recorded in the Public Records of Palm Beach County. In addition, the change orders are being submitted for receipt and filing in accordance with Countywide PPM CW-F-050 as the time extensions on the projects have exceeded 180 days. The Resilient Florida grant applications are being submitted for receipt and filing in accordance with Countywide PPM CW-F-003 as they were executed under delegated authority by the BCC on July 2, 2024. The documents have been fully executed and recorded on behalf of the Board of County Commissioners (BCC) by the Director of the Palm Beach County Water Utilities Department (PBCWUD) in accordance with Resolutions R93-1619, R96-0228, and R2003-0539 and are now being submitted to the BCC to receive and file. Districts 3 & 6 (MWJ)

Background and Justification (Continued on page 3)

Attachments:

- 1 Two (2) Original Change Order No. 3 with Johnson-Davis Incorporated
- 2 Two (2) Original Change Order No. 3 with Youngquist Brothers LLC
- 3 One (1) FDEP Resilient Florida Program Grant Application RAN-01080
- 4 One (1) FDEP Resilient Florida Program Grant Application RAN-01078

Recommended By:	Ali Bayat	1/24/2025
-	Department Director	Date
Approved By:	201 Juli	1/27/25
	Assistant County Administrator	Date

II. FISCAL IMPACT ANALYSIS

A. Five Year Summary of Fiscal Impact:

Fiscal Years	2025	2026	2027	2028	2029
Capital Expenditures Operating Costs External Revenues Program Income (County) In-Kind Match County	0 0 (\$37,314) 0 0			00000	
NET FISCAL IMPACT	(\$37,314)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
# ADDITIONAL FTE POSITIONS (Cumulative)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Budget Account No.:	Fund <u>4000</u>	Dept <u>720</u>	Unit <u>4200</u>	Object <u>6992</u>	
Is Item Included in Curren	t Budget?		Yes X	No	
Is this item using Federal	Funds?		Yes	No <u>X</u>	
Is this item using State Fu	inds?		Yes	No <u>X</u>	

Reporting Category N/A

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

Mandatory Agreement Payment has been paid in full and service installation fees will be paid at the time of connection.

L. FUGEF Department Fiscal Review: C.

III. REVIEW COMMENTS

OFMB Fiscal and/or Contract Development and Control Comments: Α. 1/27/25 G **OFMB** Contract Development and Control 1.23.25 1/16 41120 Β.

Legal Sufficiency:

Assistant County Attorney

C. Other Department Review:

Department Director

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

Continued from Page 1

Background and Justification: PBCWUD's Uniform Policies and Procedures require Standard Development Agreements to obtain concurrency for water and/or wastewater service. The terms and conditions for Standard Development Agreements are outlined in the PBCWUD Uniform Policies and Procedures Manual. The BCC delegated the authority to execute various types of Standard Development Agreements, and related documents including Standard Indemnity Agreements to the Department Director including potable water and wastewater agreements (R93-1619); reclaimed water agreements (R96-0228); and additional conditions for potable water, wastewater, and reclaimed water agreements (R2003-0539).

- A) Standard Potable Water and Wastewater Development Agreement with Posh Hospitality No 3, Congress Avenue LLC, SDA #01-01283-000 (District 3), Recorded in OR BK 35342 PG 1410.
- B) Standard Potable Water and Wastewater Development Agreement with Zak Real Estate, LLC, SDA #02-01180-000 (District 6), Recorded in OR BK 35351 PG 1529.
- C) PBCWUD Project No. 15-013 Change Order No. 3 to Water Main Improvements (Contract) (R2022-0561) with Johnson-Davis Incorporated (Contractor) to extend the Contract for an additional 90 day period.
- D) PBCWUD Project No. 18-066 Change Order No. 3 to Water Treatment Plant No. 2 Treatment and Disposal Improvements Design Package 2-Deep Injection Well (Contract) (R2022-0119) with Youngquist Brothers LLC to extend the Contract for an additional 118 day period.
- E) PBCWUD Project No. 19-035 Western Region North Wastewater Treatment Facility and Wet Weather Improvements (WRNWWTF Project) grant application for funding support of approximately \$7,000,000.
- F) Future Project WRWWTF Electrical Building Replacement (WRWWTF Electrical) grant application for funding support of approximately \$20,000,000.

CHANGE ORDER NO. 3 Palm Beach County Water Utilities Department *Water Main Improvements* Resolution No. R2022-0561 Contract Dated June 07, 2022

Project Title: Water Main Improvements

PBCWUD Project No.: 15-013

Contractor: Johnson-Davis Incorporated

Address: 604 Hillbrath Dr. Lantana, Florida 33908

Budget Line Item No.: 4011 - 721 - W031 - 6543

District: Countywide

Notice to Proceed: 02/27/23

The Contract provides for 23.04% SBE participation, which includes 4.21% MBE participation, 4.21% MBE (H). This Change Order includes 0.00% SBE participation which includes, 0.00% MBE participation, 0.00% MBE(H). The cumulative SBE participation, including this Change Order is 23.04% SBE participation, which includes 4.21% MBE participation, 4.21% MBE(H).

You are directed to make the following changes in this contract:

3.1 The Contractor has requested 90 days to address the Home Owners Association (HOA)

complaints at Westlake.

\$0.00

Totai: \$0.00

All Attachments to this Change Order are made a part of this Change Order and incorporated herein.

NOT VALID UNTIL SIGNED BY BOTH OWNER AND ENGINEER. SIGNATURE OF THE CONTRACTOR INDICATES THEIR AGREEMENT HEREWITH INCLUDING ANY ADJUSTMENT IN THE CONTRACT SUM OR CONTRACT TIME, AND NO ADDITIONAL COST OR TIME INDICATED HEREIN WILL BE RELATED TO THIS CHANGE

The Original Contract Sum was	\$5,757,115.00
Net Change by previous Change Order	
The Contract Sum prior to this Change Order was	\$5,757,115,00
The Contract Sum will be increased/decreased by this Change Order	\$0.00
The New Contract Sum indicating this Change Order will be	\$5.757.115.00
The Date of Substantial Completion prior to this Change Order was	
The Date of Final Completion prior to this Change Order was	
The Contract Time will be increased/decreased by	
The Date of Substantial Completion including this Change Order	
The Date of Final Completion including this Change Order	

1

CHANGE ORDER NO. 3 Palm Beach County Water Utilities Department Water Main Improvements Resolution No. R2022-0561 Contract Dated June 07, 2022

Execution of this change order acknowledges final settlement of, and releases, all claims for costs and time associated, directly or indirectly, with the above stated modification(s), including all claims for cumulative delays or disruptions resulting from, caused by, or incident to such modification(s), and including any claim that the above stated modification(s) constitutes, in whole or part, a cardinal change to the contract.

Johnson-Davis, Inc.	Palm Beach County Water Utilities Department	Palm Beach County Contract Review Committee
604 Hillbrath Dr.	ENGINEER	OWNER
-gutaina, FL	8100 Forest Hill Bivd. West Palm Beach, FL 33413	301 N. Olive Avenue West Palm Beach, FL 33401
ADDRESS	ADDRESS	ADDRESS
SIGNATUBE	Martende	
William Cryer	JOIGHATURE	M3 3
PRINT NAME	PRINT NAME	Brenda Znachko J.D., LL.M PRINT NAME
Vice Provident	Eal	යි Director, යු
Vice-President TITLE 10/4/2024	TITLE	Contract Development & Control
10/4/2024	6-7-24	11/20/24
DATÉ	DATE	DATE
STATE OF FLORIDA COUNTY OF <u>Pala Dec</u>		·
The foregoing instrument was acknowledged before me by means of physical presence	or 🗖 online notarization	
this of day of Oat der	is Dersonally known	
to me or D has produced	as identification.	
On Boy	52~~~	
(Signature of Notacy Poblic - State of Florida)	LARISA DITU PELKEY Commission # HH 178111 Expires January 22, 2028 Conduct Thru Budget Notary Services	
(Print, Type, or Stamp Commissioned Name)		

2

CHANGE ORDER NO. 3 Palm Beach County Water Utilities Department *Water Main Improvements* Resolution No. R2022-0561 Contract Dated June 07, 2022

LIST OF ATTACHMENTS

ATTACHMENT A	Change	Order Summary and	d Categorization
--------------	--------	-------------------	------------------

ATTACHMENT B Change Order Additions/Deletions Summary

ATTACHMENT C OEBO Schedule 1 and Schedule 2*

ATTACHMENT D Location Map

Bond-Rider (if applicable)

ATTACHMENT F

ATTACHMENT E

Supporting Documentation

ATTACHMENT A CHANGE ORDER NO. 3 SUMMARY AND CATEGORIZATION

Project Title: Water Main Improvements

PBCWUD Project No.: 15-013

Resolution No.: R2022-0561

Item No.	C.O. Code	Scope of Work	Additions	(Deletions)	Net Change	Time
3.1	7	The Contractor has requested 90 days to address the Home Owners Association (HOA) complaints.	\$0.00		\$0.00	90
/***						
1		Total	\$0.00	an a	\$ 0.00	90

CHANGE ORDER CATEGORIZATION CODE

- 1) OWNER INITIATED
- 2) DIFFERING SITE CONDITIONS
- 3) ZONING/CODE/ORDINANCE CHANGES (REQUIREMENTS)
- 4) ERRORS/OMISSIONS IN DESIGN
- 5) QUANTITY OVERRUNS/UNDERRUNS
- 6) REQUEST BY ANOTHER AGENCY/OUTSIDE PARTY REIMBURSABLE
- 7) REQUEST BY ANOTHER AGENCY/OUTSIDE PARTY NON-REIMBURSABLE
- 8) OTHER [PROVIDE JUSTIFICATION VIA MEMO OR SCOPE OF WORK]

ATTACHMENT B

CHANGE ORDER ADDITIONS/DELETIONS SUMMARY

Project 7	Title: Water N	lain Improven	nents				AP	PROVAL LIMITS	<u>):</u>		
Contract	or: Johnson-	Davis Incorpo				<u> </u>	Department Head	Contr	act Review Com	mittee	
	D Project No on No.: R202						Amount/Days	:	Amount/Days		
Date Ap	oroved: 06/0 Amount: \$5,	7/22			Individual C.C Cumulative C		60,000.00 - 30 D 50,000.00 ¹ - 30 D		1,000.00 - 90 Da 1,000.00 ¹ - 120 D		
C.O. NO.	DATE APPROVED	NET CHANGE ²	4	ENT HEAD 5 DEDUCTS) ³	COMN	T REVIEW NITTEE DEDUCTS) ³	TOTAL DEF CONTRACT RI (ADDS PLUS	EVIEW COMM.	BOARD OF COMMISS (ADDS PLUS	IONERS	TOTALS
			AMOUNT	DAYS	AMOUNT	DAYS	AMOUNT	DAYS	AMOUNT	DAYS	
1 2 3	12/06/23 05/01/24 pending	0 0 0	0 0 0	0 0 0	0 0 0	118 60 90	0 0 0	118 60 90	0 0 0	0 0 0	0.00 0.00 0.00
		·	0	0		268	0	268	0	Ò	\$0.00

NOTES:

1. Per PPM #CW-F-050, upon approval of the C.O. in the cumulative amount of \$250,000.00 or 5% of Contract Amount (> \$5 million), Receive and File must be submitted to the Board of County Commissioners to reset the dollar amount.

2. Net Change reflects the net amount of additions plus deductions.

3. Adds plus Deducts reflects the absolute value of unrelated changes for use in determining the approval authority for the Change Order.

ATTACHMENT C OEBO SCHEDULE 1

OFFICE OF EQUAL BUSINESS OPPORTUNITY COMPLIANCE PROGRAMS

		(DEBO S	SCHED	ILE 1						
DLICITATION/PROJECT/BID NAME: Water Main	Improveme	nts		S	OLICITATIO)N/PRC)JECT/BID	NO.: 15-01:	3		
02/27/2 DLICITATION OPENING/SUBMITTAL DATE:	023				OUNTY DEI	PARTM		m Beach C	County Wate	r Utility Dis	rict
ection A PLEASE LIST THE DOLLAR AMO			of work	TO BE COM	PLETED BY 1	THE <u>PR</u>	IME CONT	<u>RACTOR/COI</u>	vsultant* on ve, Lantana	THE PROJEC	.T: いつ
AME OF PRIME RESPONDENT/BIDDER:	Javis incorporat		<u>" </u>								
DNTACT PERSON: William Cryer				PHONE	NO.: 561	-588-1	1170	E-MAI	ccryer@jol	Insondavia	s.com
RIME'S DOLLAR AMOUNT OR PERCENTAGE OF WO	\$0.00 RK:				Non-	-SBE	MBE	WBE SE	E		
MWBE Prime's must include their percentage or dollar a		al Particip	ation line u	inder section					1		
ction B PLEASE LIST THE DOLLAR AMO	UNI UR PERCE	IN FAGE (DF WORK	IO BE COM	LEIED BY A	<u>ALL SUI</u>	BLUNIRA	LIOKS/SUBC	UNSULTANTS C	IN THE PROJ	ECT BELOV
	· · · · · · · · · · · · · · · · · · ·							· · · · · · · · · · · · · · · · · · ·			
ubcontractor/Sub consultant Name	(Check ail	Applicabl MBE	e Categorie WBE	s) SBE		DOI	LLAR AM	IOUNT OR	PERCENTAG	<u>: OF WORK</u>	ś
		Minority	Women	Smali	Black	F	Hispanic	Women	Caucasian	Asian	Other
		Business	Business	Business		<u> </u>	<u></u>	1		1	1
					·	·					<u> </u>
			ļ			. _			ļ <u> </u>		
·						`_ −					
					<u></u>						
						. _					
Please use additional sheets if necessary)	I ·						<u></u>	1		1	
al Bid/Offer Price \$ 0.00				Total	\nearrow	- 7	/	· <u>····································</u>	. 0.00		
		\	i		/ 1	Total	titled S/M/V	NBE Participation			
ereby certify that the above information is accurate to the b	est of my knowledg	ge:				2	7		<u>v</u>	ice President	
te: 1. The amount listed on this form for a Subcontractor	/sub consultant m	ust be sup		Name & Autho	1 . 1		/ rly executed	Schedule 2 or at	tached signed pro-		Title
 Only those firms certified by Paim Beach County at applicable box and list the dollar amount or percer 	the time of solicit:	ation due d	late are eligi	ble to meet the							
 Modification of this form is not permitted and will 	-		~~~***********************************	n manualiser ho	$\left(\right)$						
4. If a Mandatory API goal applies, failure to submit a	i property executed	d Schedule	2 will result	in a determina	tion of non-re	- ;			r witnessed a vic	vistion of the f	
						1	IN THIM HERVE	SANEI IGI ILCU U	i wiliicsseu a Vic	nation of the r	

ATTACHMENT C OEBO SCHEDULE 2

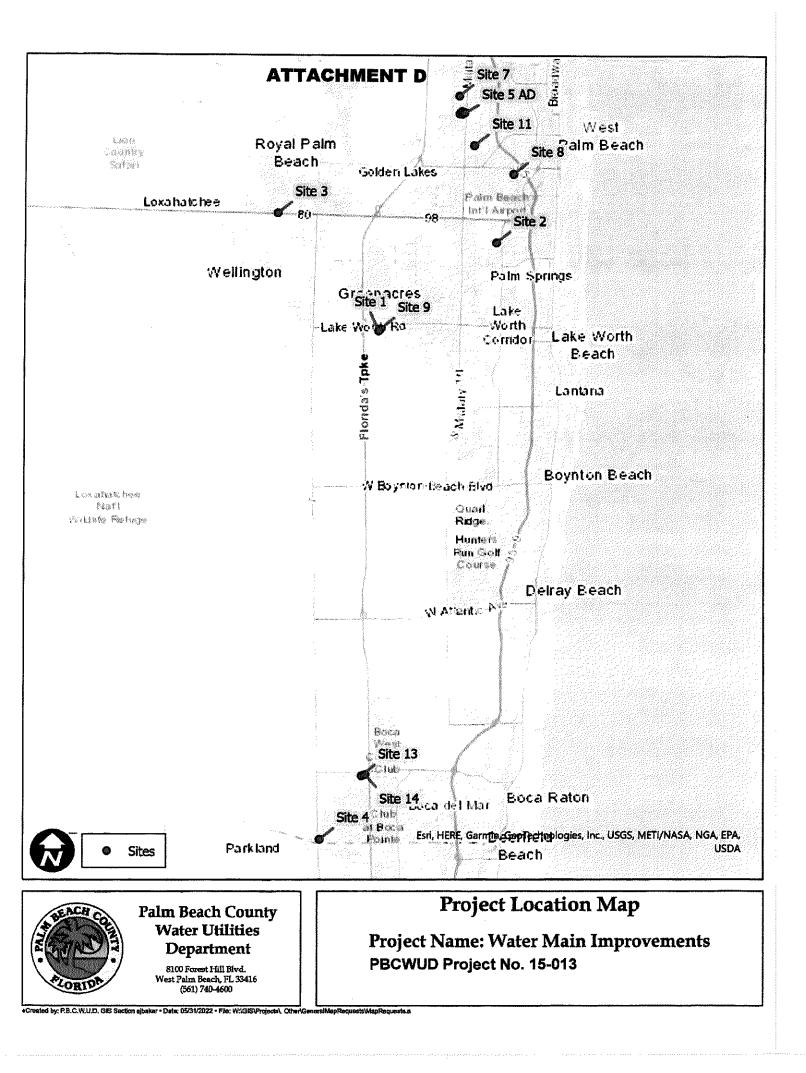
N/A

OFFICE OF EQUAL BUSINESS OPPORTUNITY COMPLIANCE PROGRAMS

ATTACHMENT D

LOCATION MAP

PBCWUD Project No. 15-013



ATTACHMENT E

.

BOND RIDER

(IF APPLICABLE)

N/A

.

ATTACHMENT F

SUPPORTING DOCUMENTATION

INTER-OFFICE COMMUNICATION Palm Beach County WATER UTILTIES DEPARTMENT

DATE: Sept 18, 2024

TO: File

FROM: Joseph Tanacredi P.E.

RE: Change Order No 3, WUD 15-013, site 13

CD01 Water Main Improvements, Looping project

The Contractor has requested 90 day time extension to the final completion to satisfy the Westlake Community restoration concerns. The Westlake community wasn't satisfied with the final restoration of the project even though it was completed in accordance to Palm Beach County standards.

Johnson-Davis went back out to the site and corrected and restored all area that the Westlake Community wasn't satisfied. All the extra work has been completed by Johnson – Davis to the satisfaction of the Westlake Community and the contract requirements.



604 HILLBRATH DRIVE 604 HILLBRATH DRIVE LANTANA, FL 33462-1694 PHONE: 561-588-1170 FAX: 561-585-5252 CU-C043087

10/2/24

Mr. Joseph Tanacredi Project Manager Palm Beach County Water Utilities Department 8100 Forest Hill Blvd. West Palm Beach, FL 33413

RE: Palm Beach County CD01 Water Main Improvements – Additional Days (90 days) WUD Project No. 15-013 site 13

Dear Mr. Tanacredi:

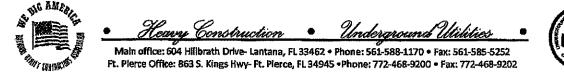
We are asking for a 90-day time extension to address all the HOA complaints and to ensure all the residents are satisfied with our work.

Thank you in advance for your cooperation on this matter.

If you have any questions or require any additional information, feel free to contact me.

Regards,

Jun Homedia Cell: 561-410-0582 jhomedia@johnsondavis.com





ask Name	6		http://www.		C Looping Project					1	
ask Narie	Ouration	Start	Finish	% Complete 23	Apr Apr		2tr 3, 2023	Qu 4, 2023	Qar 1, 2024	Chr 2, 2024 Mar Apr May Ju	Qtr 3, 2024
WUD 15-013	344 days?	Mon 2/27/23	Thu 6/20/24	93%	Enternation						
Site 1 NORTH PORTION OF PROPOSED WORK	343 days	Mon 2/27/23	Wed 6/19/24	80%							19 19
Site 2 COMPLETED	15 days?	Tue 9/12/23	Mon 10/2/23	100%		*******		-			
SITE & COMPLETED	15 days	Mon 3/13/23	Fri 3/31/23	100%							
Site 5 COMPLETED	90 days	Mon 5/8/23	Fri 9/8/23	100%							
Site 5AD COMPLETED	60 days	Mon 6/19/23	Fri 9/8/23	100%			Market Street Back				
SITE 7 COMPLETED	12 days	Thu 4/13/23	Fri 4/28/23	100%							
Site 8 COMPLETED	21 days	Mon 5/1/23	Mon 5/29/23	100%	t	Concept of the local diversion of the local d					
SITE 9 COMPLETED	45 days	Wed 10/25/23	Tue 12/26/23	100%					-16		
Site 10 COMPLETED	90 days	Mon 5/8/23	Fr1 9/8/23	100%							
Site 13	260 days	Mon 9/18/23	Fri 9/13/24	100%			I				
PHASE 1 INSTALLATION	36 days	Mon 9/18/23	Thu 11/30/23	100%				5 mm			
AS-BUILT	10 days	Fri 10/27/23	Thu 11/9/23	100%							
TIE-IN TO EXISTING	5 days	Fri 11/10/23	Thu 11/16/23	100%				ě			
TRENCH RESTORATION	216 days	Fri 11/17/23	Fri 9/13/24	100%				ž.			
PRIVATE SIDE WATER SERVICE PIPE INSTALLATION THEN SWITH OVER	20 days	Fri 11/17/23	Thu 12/14/23	100%				×	ł		
PHASE 2 INSTALLATION	20 days	Fri 11/17/23	Thu 12/14/23	100%				×.	a.		
AS-BUILT	10 days	Fri 12/15/23	Thu 12/28/23	100%					έω.		
TIE-IN TO EXISTING	5 days	Fri 12/29/23	Thu 1/4/24	100%					畜		
TRENCH RESTORATION	20 days	Fri 1/5/24	Thu 2/1/24	100%					Keene		
PRIVATE SIDE WATER SERVICE PIPE INSTALLATION THEN SWITH OVER	25 days	Fri 1/5/24	Thu 2/8/24	100%					č		
PHASE 3 INSTALLATION	20 days	Fri 1/5/24	Thu 2/1/24	100%					<i>Zennen</i>		
AS-BUILT	10 days	Fri 2/2/24	Thu 2/15/24	100%					ě۳,		
TIE-IN TO EXISTING	5 days	Fri 2/16/24	Thu 2/22/24	100%					*		
TRENCH RESTORATION	120 days	Fri 2/23/24	Thu 8/8/24	100%					2	r	
PRIVATE SIDE WATER SERVICE PIPE INSTALLATION THEN SWITH OVER	60 days	Fri 2/23/24	Thu 5/16/24	100%					1		
SOD RESTORATIONS	9 days	Fri 4/5/24	Wed 4/17/24	100%						1999	
Site 14 COMPLETED	40 days	Mon 4/3/23	Fri 5/26/23	100%							
DRIGINAL SUBSTANTIAL COMPLETION DATE	1 day	Fri 11/24/23	Fri 11/24/23	100%				ŧ			
118 DAYS EXTENSION	118 days	Fri 11/24/23	Wed 3/20/24	100%				\$0.900			
NEW SUBSTANTIAL COMPLETION DATE / PUNCH L WORK	IST 66 days	Wed 3/20/24	Wed 6/19/24	100%							88
90DAY EXTENSION	66 days	Wed 6/19/24	Wed 9/1 \$ /24	100%							
					-						
NEW FINAL COMPLETION DATE	1 qaA	Wed 9/18/14	Wed 9/68/24	100%							
Task americanis	Project	Summary F		Menuel Tesk	f i i i i i i i i i i i i i i i i i i i	Start-only	E	Deadline	*		
	nactive	Task		Duration-only		Finish-only	E	Progress			
4/24 Milestone 🔶	inactive	Milestone		Manual Summary Rollup		External Tasks	we can and for the other	Manual Progre	s 		
common and	inactive	Summary 2		Manual Summary	······	Enternal Milestor					
	Milestone 🔶	Milestone	Milestone Inactive Milestone	Milestone Inactive Milestone	Miestone Inactiva Miestone Menual Summary Rollup	Miestone Inactive Miestone Manual Summary Rollup excession	Miestone Manual Summary Rolkup examination External Tasks	Miestone Inactivo Miestone Mercual Summary Rolkip exconsistence External Tasks	Milestone Inactiva Milestone Manual Summary Rollup examination External Tasks Manual Progres	Miestone Inactive Miestone Mercuel Summery Rollup excessions Externel Tasks Manuel Progress	Milestone Inactivo Milestone Manual Summary Roliup excessional Externel Tasks Manual Progress

Print Date 10/3/2024 11:05:13 AM

Page 1 of 1

Евух

Palm Beach County Compliance Summary Report

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff, Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00001745	Johnson-Davis Incorporated	Modified	Compliant					WUD 15-013	Water Main Improvements
		A,XV	Continental Casualty Company	7033968744	7/1/2024	7/1/2025	Auto Liability		
		A, XV	Continental Casualty Company	7033984636	7/1/2024	7/1/2025	Excess Liability		
			National Fire Insurance Company of Hartford	7033967643	7/1/2024	7/1/2025	General Liability		
		Ag , XV	Aspen American Insurance Company	IM011FG24	7/1/2024	7/1/2025	Marine Liability		
		Ag , XV	Valley Forge Insurance Company	7033972535	7/1/2024	7/1/2025	Workers Comp		
Risk Profile :	Standard - Construction Service	25							

۰.

.

Required Additional Insured : Palm Beach County Board of County Commissioners

Ownership Entity :

INTEROFFICE COMMUNICATION PALM BEACH COUNTY



BUDGET AVAILABILITY STATEMENT CHANGE ORDERS AND CONSULTANT SERVICES AUTHORIZATION

- DATE: November 14, 2024
- TO: Brenda Znachko, Director Contract Development and Control
- FROM: Guy Eggertsson, Fiscal Manager I Finance and Administration Water Utilities Department

In Oth

RE: Water Main Improvements Johnson-Davis Incorporated WUD Project No. 15-013

Change Order No. 3

FISCAL IMPACT ANALYSIS:

Five Year Summary of Fiscal Impact:

	90	91	92	93	94
Capital Expenditures	\$0.00	· · · · · · · · · · · · · · · · · · ·	······································		
Operating Costs		· · · · · · · · · · · · · · · · · · ·			
Days	90				

Is Item included in current budget? Yes X No

Budget Account Number:

Fund	Department	Unit	Object	Program	Period	Allocation
4011	721	W031	6543			\$0.00

Recommended Sources of Funds/Summary of Fiscal Impact:

WUD User Fees.

d_rpt_bas_contract



Department of State / Division of Corporations / Search Records / Search by Entity Name /

Detail by Entity Name

Florida Profit Corporation JOHNSON - DAVIS INCORPORATED

Filing Information

Document Number	538772
FEI/EIN Number	59-1753888
Date Filed	07/06/1977
State	FL
Status	ACTIVE
Principal Address	

604 HILLBRATH DRIVE LANTANA, FL 33462

Changed: 04/01/1986

Mailing Address 604 HILLBRATH DRIVE LANTANA, FL 33462

Changed: 04/01/1986

Registered Agent Name & Address

JOHNSON, SCOTT J 604 HILLBRATH DRIVE LANTANA, FL 33462

Name Changed: 03/20/1996

Address Changed: 12/18/2009 Officer/Director Detail

Name & Address

Title P

JOHNSON, SCOTT J. 18843 SE JUPITER RIVER DR JUPITER, FL 33458

Title TS

JOHNSON, CHRISTOPHER 7541 BRIAR CLIFF CIR LAKE WORTH, FL 33467

Title VP

CRYER, WILLIAM 170 RIVER DRIVE TEQUESTA, FL 33469

Title CHIEF FINANCIAL OFFICER

STANLEY, JOHN 4110 NW 10TH STREET DELRAY BEACH, FL 33445

Annual Reports

Report Year	Filed Date
2022	01/05/2022
2023	01/04/2023
2024	01/12/2024

Document Images

View image in PDF format
View image in PDF format

	<u>Cor</u>	ntract R	eview Commi	ttee	
Char	nge Order		Suppleme	ents 🗌 Fin	al Payment
Wor	k Authoriz	zation			
WUD Project #: 15-013					
Name of Contract: Water M	1ain Improver	nents			
Contract Approval Date: 6/0)7/22				
Contractor/Consultant: John	son- Davis In	corporated	b		
CSA/WA #:			Supplem	nent #:	
Change Order #: 3					
Notice To Proceed (NTP) Da	<u>ate:</u> 02/27/23	i			
Contract Duration (Days):	300		Substantia	I Completion Date:	11/ 24/ 23
			Final Com	pletion Date:	1 2/24/23
<u>Total Change Order Days U</u>	<u>p to Date</u> : 26	8			
Current Substantial Complet	tion Date:	05/20/2	24		
Current Final Completion Da	<u>ate</u> :	09/17/2	24		
Contract Liguidated Damage	<u>es:</u>	\$500 \$250	Days:		
		φ200	Amount \$:		
Original SBE Participation G	ioal: 17.26 %		Actual SBE	Participation: 10.75	%
<u>Supplement # / Change #</u> Change Order No 1	Amount 0	<u>Days</u> 118	Approval Date 12/06/23	Approved By CRC	
Change Order No 2	0	60	05/01/24	CRC	
Change Order No 3	0	90	pending	CRC	

CHANGE ORDER NO. 3 Palm Beach County Water Utilities Department Water Treatment Plant No 2 Treatment and Disposal Improvements Design Package 2 – Deep Injection Well Resolution No. R2022-0119 Contract Dated February 08, 2022

Project Title: Water Treatment Plant No 2 Treatment and Disposal Improvements Design Package 2 – Deep Injection Well

PBCWUD Project No.: 18-066R

Contractor: Youngquist Brothers, LLC

Address: 15465 Pine Ridge Road, Fort Myers, Florida 33908

Budget Line Item No.: 4011 - 721 - W002 - 6541

District: 3

Notice to Proceed: 06/06/22

The Contract provides for 7.72% SBE participation, which includes 1.09% M/WBE participation, 1.09% WBE. This Change Order includes 0.00% overall participation which includes, 0.00% M/WBE participation, 0.00% WBE. The cumulative SBE participation, including this Change Order is 7.72%, which includes 1.09% M/WBE participation, 1.09% WBE.

You are directed to make the following changes in this contract:

	Total:	\$0.00
3.5) 42 day time extension for hurricane Ian impact to project.		\$0.00
3.4) 16 day time extension for loop check scheduling conflicts.		\$0.00
3.3) 11 day time extension for electrical conduit conflict.		\$0.00
3.2) 35 day time extension for design change to piping layout.		\$0.00
3.1) 14 day time extension for short term injection testing.		\$0.00

All Attachments to this Change Order are made a part of this Change Order and incorporated herein.

NOT VALID UNTIL SIGNED BY BOTH OWNER AND ENGINEER. SIGNATURE OF THE CONTRACTOR INDICATES THEIR AGREEMENT HEREWITH INCLUDING ANY ADJUSTMENT IN THE CONTRACT SUM OR CONTRACT TIME, AND NO ADDITIONAL COST OR TIME INDICATED HEREIN WILL BE RELATED TO THIS CHANGE

The Original Contract Sum was	\$15,749,876.00
Net Change by previous Change Order	
The Contract Sum prior to this Change Order was	\$15.759.281.83
The Contract Sum will be increased/decreased by this Change Order	\$0.00
The New Contract Sum indicating this Change Order will be	\$15.759.281.83
The Date of Substantial Completion prior to this Change Order was	
The Date of Final Completion prior to this Change Order was	
The Contract Time will be increased/decreased by	
The Date of Substantial Completion including this Change Order	
The Date of Final Completion including this Change Order	

Revised 03/05/2024

1

CHANGE ORDER NO. 3 Palm Beach County Water Utilities Department Water Treatment Plant No 2 Treatment and Disposal Improvements Design Package 2 – Deep Injection Well Resolution No. R2022-0119 Contract Dated February 08, 2022

Execution of this change order acknowledges final settlement of, and releases, all claims for costs and time associated, directly or indirectly, with the above stated modification(s), including all claims for cumulative delays or disruptions resulting from, caused by, or incident to such modification(s), and including any claim that the above stated modification(s) constitutes; in whole or part, a cardinal change to the contract.

Palm Beach County SSOLIATE Contract Review Committee Youngquist Brothers, LLC CONTRACTOR OWNER 1620 WERNAWAY, STE 301 N. Olive Avenue 15465 Pine Ridge Road WE West Palm Beach, FL 33401 Fort Myers, FL 33908 ADDRESS/ ADDRESS ADDRESS STGNATURE URE SIGNATURE MB á Harvey Youngquist Jr. AN Brenda Zeachko_J.D. **PRINT NAME** PRINT NAME PRINT NOAME Director. LLC Manager Contract Development & Control TITLE TITLE October 14, 2024 DATE DATE DATE STATE OF FLORIDA COUNTY OF Lee The foregoing instrument was acknowledged before me by means of \boxtimes physical presence or \square online notarization <u>14th</u>, day of _ <u>October</u> this 2024 bу Harvey Youngquist Jr. who is 🕱 personally known to me or 🖾 has produced as identification. Jean Henderson Comm.: HH 356908 Expires: February 25, 2027 Notary Public - State of Florida \mathcal{Q} $\Lambda \alpha$ (Signeture of Notary Public - State of Florida) Jean Henderson (Print, Type, or Stamp Commissioned Name of Notary Public) 2 Revised 03/05/2024

CHANGE ORDER NO. 3 Palm Beach County Water Utilities Department Water Treatment Plant No 2 Treatment and Disposal Improvements Design Package 2 Resolution No. R2022-0119 Contract Dated February 08, 2022

LIST OF ATTACHMENTS

- ATTACHMENT A Change Order Summary and Categorization
- ATTACHMENT B Change Order Additions/Deletions Summary
- ATTACHMENT C OEBO Schedule 1 and Schedule 2
- ATTACHMENT D Location Map
- ATTACHMENT E Bond Rider (if applicable)
- ATTACHMENT F Supporting Documentation

ATTACHMENT A

CHANGE ORDER NO. 3 SUMMARY AND CATEGORIZATION

Project Title: Water Treatment Plant No 2 Treatment and Disposal Improvements Design Package 2- Deep Injection Well PBCWUD Project No.: 18-066R_

Resolution No.: R2022-0119

Item	C.O.	Scope of Work	Additions	(Deletions)	Net Change	Time
No.	Code					
3.1 [.]	2	14 days time extension for short term injection testing	0.00		0.00	14
3.2	2	35 days time extension for design change to piping layout	0.00		0.00	35
3.3	2	11 days time extension for electrical conduit conflict	0.00		0.00	11
3.4	2	16 days time extension for loop check scheduling conflicts	0.00		0.00	16
3.5	2	42 days time extension for hurricane lan impact to project	0.00		0.00	42
						نائی _{ایر ا} ر
<u> </u>						
					an a san an a	
						9-49 - 494-615-614-61-61-61-11-
				· · · · · · · · · · · · · · · · · · ·	<u></u>	
÷		Total	\$0.00		\$0.00	118

CHANGE ORDER CATEGORIZATION CODE

- 1) OWNER INITIATED
- 2) DIFFERING SITE CONDITIONS
- 3) ZONING/CODE/ORDINANCE CHANGES (REQUIREMENTS)
- 4) ERRORS/OMISSIONS IN DESIGN
- 5) QUANTITY OVERRUNS/UNDERRUNS
- 6) REQUEST BY ANOTHER AGENCY/OUTSIDE PARTY REIMBURSABLE
- 7) REQUEST BY ANOTHER AGENCY/OUTSIDE PARTY NON-REIMBURSABLE
- 8) OTHER [PROVIDE JUSTIFICATION VIA MEMO OR SCOPE OF WORK]

ATTACHMENT B

CHANGE ORDER ADDITIONS/DELETIONS SUMMARY

Project	Title: Wate	r Treatment	Plant No 2	Treatment a	nd Disposal				APPROVAL L	IMITS:	
-	-	n Package 2-		on Well				Department H	lead <u>Co</u>	ontract Review	Committee
	tor: Youngqi ID Project N	uist Brothers,	LLC					Amount/Day	<u>/S</u>	Amount/D	<u>ays</u>
Resoluti	on No.: R202		ct Amount: \$	15,749,876.0	00	<u>Individua</u> Cumulativ		\$50,000.00 - 30 \$250,000.00 ¹ - 3	-	\$100,000.00 - 5 \$250,000.00 ¹ -	
C.O. NO.	DATE APPROVED	NET CHANGE ²		ENT HEAD S DEDUCTS) ³ DAYS	COMN	CT REVIEW MITTEE S DEDUCTS) ³ DAYS	TOTAL DEF CONTRACT RE (ADDS PLUS AMOUNT	EVIEW COMM.	COMMIS	F COUNTY SIONERS S DEDUCTS) ³ DAYS	TOTALS
1 2 3	2/21/24 3/11/24 pending	9,405.83 0 0	0 0 0	0 0 0	9,405.83 0 0	86 33 118	9,405.83 0 0	86 33 118	0 0 0	0 0 0	9,405.83 0 0
		9,405.83	0	0	9,405.83	237	9,405.83	237	0	0	\$9,405.83

NOTES:

1. Per PPM #CW-F-050, upon approval of the C.O. in the cumulative amount of \$250,000.00 or 5% of Contract Amount (> \$5 million), Receive and File must be submitted to the Board of County Commissioners to reset the dollar amount.

2. Net Change reflects the net amount of additions plus deductions.

3. Adds plus Deducts reflects the absolute value of unrelated changes for use in determining the approval authority for the Change Order.

ATTACHMENT C OEBO SCHEDULE 1

OFFICE OF EQUAL BUSINESS OPPORTUNITY COMPLIANCE PROGRAMS

OEBO S	SCHEDULE 1						
Water Treatment Plant No. 2 Treatment and Disposal SOLICITATION/PROJECT/BID NAME:							
July 1, 2021 SOLICITATION OPENING/SUBMITTAL DATE:							
	TO BE COMPLETED BY THE <u>PRIME CONTRACTOR/CONSULTANT*</u> ON THE PROJECT: 15465 Pine Ridge Road, Fort Myers, FL 33908						
NAME OF PRIME RESPONDENT/BIDDER:	ADDRESS:						
	230.480.4444 Horyov@VoungquictBrothere.com						
CONTACT PERSON: Harvey Youngquist Jr.	PHONE NO.: 239-489-4444 E-MAIL: Harvey@YoungquistBrothers.com						

Section B PLEASE LIST THE DOLLAR AMOUNT OR PERCENTAGE OF WORK TO BE COMPLETED BY <u>ALL SUBCONTRACTORS/SUBCONSULTANTS</u> ON THE PROJECT BELOW:

-	(Check a	ill Applicab	le Categori	es)		DOLLAR AN	IOUNT OR	PERCENTAGI	E OF WORK	
Subcontractor/Sub consultant Name	<u>Non-SBE</u>	<u>MBE</u> Minority Business	<u>WBE</u> Women Business	<u>SBE</u> Small Business	Black	Hispanic	Women	Caucasian	Asian	Other
1.		2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2					*			
2.		5 6 7 7 7 7 7								
3.			3							
4.										
5.										
(Please use additional sheets if necessary)				Total			····	ana ini kati marani ata ani kata ang ka		
Total Bid/Offer Price \$ <u>0.00</u>	antifucian ne		11	Totar	To	otal Certified S/M/	WBE Participatio	n \$ 0.00		
I hereby certify that the above information is accurate to the b	est of my knowle	dge:	<u> </u>	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		Harve	y Young	quist Jr. 🛛	lanager	
		~		Name & Auth	onzed Signature					Title
Note: 1. The amount listed on this form for a Subcontracto 2. Only those firms certified by Palm Beach County a applicable box and list the dollar amount or perce	it the time of soli	citation due	date are elig	ible to meet tl	-				-	回談
3. Modification of this form is not permitted and will	ll be rejected upo	n submittal.								
4. If a Mandatory API goal applies, failure to submit	a properly execu	ted Schedule	e 2 will result	t in a determir	nation of non-res			ar witnessed a vi	alation of the i	

REVISED 09/26/2024

It you have experienced or witnessed a violation of the EBO Ordinance or would like to file a complaint, please scan the QR Code

ATTACHMENT C

OEBO SCHEDULE 2

N/A

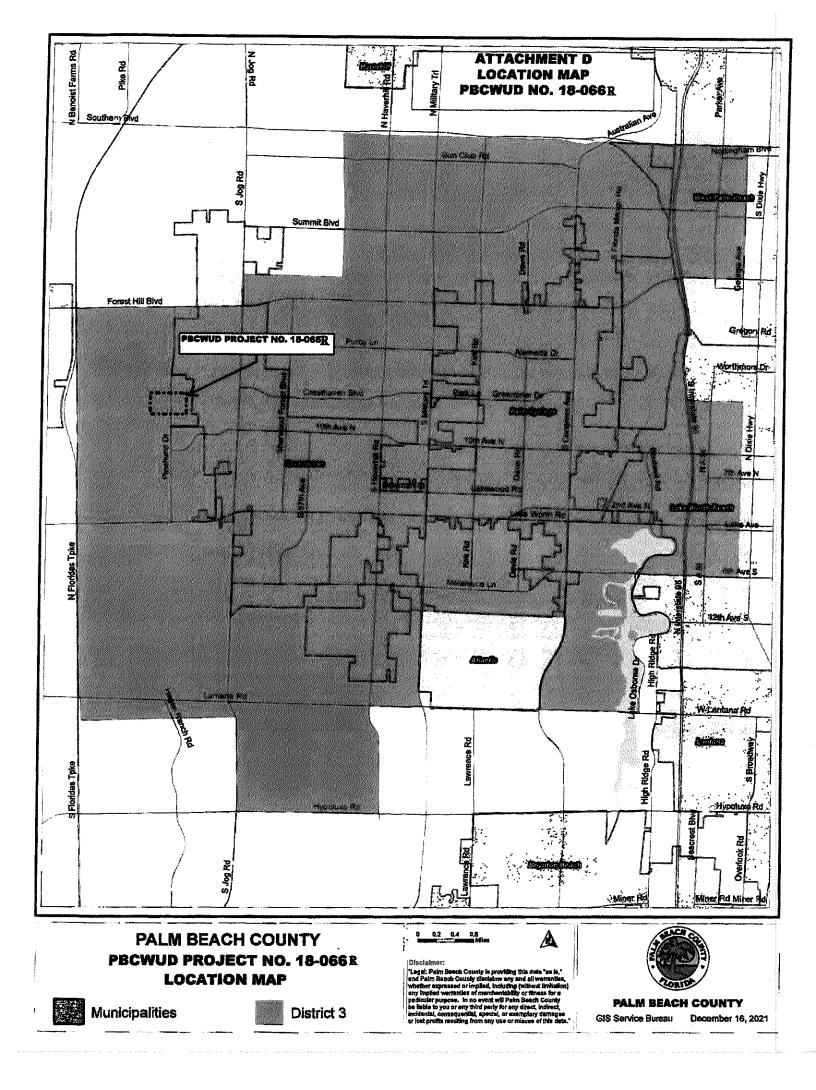
OFFICE OF EQUAL BUSINESS OPPORTUNITY COMPLIANCE PROGRAMS

ATTACHMENT D

LOCATION MAP

,

PBCWUD Project No. 18-066R



ATTACHMENT E

BOND RIDER (IF APPLICABLE)

.4

n/a /

Revised 12/20/2022

ATTACHMENT F

SUPPORTING DOCUMENTATION

INTER-OFFICE COMMUNICATION Palm Beach County WATER UTILTIES DEPARTMENT

DATE: August 16, 2024

TO: File

FROM: Joseph Tanacredi P.E.

RE: Change Order No 3, WUD 18-066R

Water Treatment Plant No 2 Treatment and Disposal Improvements Design

Package 2.

Contractor requested additional 118 days as outlined in the engineers letter, in the attached documents.

Kimley Worn

October 7, 2024

Matt Young Youngquist Brothers, LLC 15465 Pine Ridge Road Fort Myers, FL 33908

RE: YB# 022-10-075 & PBCWUD WUD 18-066R Water Treatment Plant No. 2 Treatment and Disposal Improvements Design Package 2 – Deep Injection Well – Request for Time Extension – October 3, 2024

Dear Mr. Young,

This letter serves as a response to email correspondence Re: YB# 022-10-075 & PBCWUD WUD 18-066R Water Treatment Plant No. 2 Treatment and Disposal Improvements Design Package 2 – Deep Injection Well – Request for Time Extension, dated September 12, 2024. Youngquist Brothers, LLC (YB) has requested for contract time extension for the following reasons:

- 1. Deep Injection Well (DIW) short-term injection testing mutually agreed two-week delay due to conflicting holiday schedules, pump-related issues, and intermittent access to the wash water recovery basin (14 days)
- 2. Changes in design related to the piping layout for the centrifugal pump on the monitor well which led to redesign and procurement of additional material. The impact of the piping layout revision was not considered for in Change Order No. 2: Pump Selection. (35 days)
- 3. While performing work on the duct bank associated with the DIW RIO panel, Edwards Electric (EEC) encountered an issue whereby another Contractor had to shift their work approximately 30-feet which cause EEC to have to alter the work they performed. (11 days)
- Schedule coordination between Youngquist Brothers, Edwards Electric, CC Controls, Kimley-Horn, Hillers and Palm Beach County for PLC and SCADA programming, screen testing and loop checks was delayed due to multiple schedule conflicts encountered between all parties involved. (16 days)
- 5. Youngquist Brothers also suffered significant impacts from Hurricane Ian. While activity NCON-1000 shows a 2-day delay related to this storm, that activity strictly aligned with onsite storm preparation. What the activity does not address, however, is the extent to which Youngquist Brothers was unable to properly support the project because of damage to their headquarters and being displaced from their office because of this Force Majeure event. Post storm conditions made it increasingly difficult to obtain and distribute the necessary supplies and equipment to the project and are difficult to quantify as it relates to the total number of impacted days. What can be quantified, though, is from October 14, 2022 through January 20, 2023 (66 days) Youngquist Brothers was operating mainly out of a temporary office trailer while their main office underwent major renovations as a result of the flood damage. (66 days)

The total amount of the delay claimed by YB, is believed to be 142 days, based on the factors presented by YB above and the in the attached letter. However, in order for YB to meet substantial completion, only 118 days is required. It is believed that the above factors presented by YB justifies the additional

kimléy-horn.com 1920 Wekiva Way. West Palm Beach. FL 33411 561 845 0665

Kimley»Horn

time of the requested **118 days**, as there is sufficient supporting documentation to validate all factors described within this claim.

If you have any questions, please don't hesitate to reach out at your earliest convenience.

Sincerely,

Andrea Carpenter

Andrea Carpenter

cc: Krystin Berntsen, P.E., PMP (PBCWUD) Jie "Jane" House, P.E., LEED AP (PBCWUD) Joseph Tanacredi, P.E. (PBCWUD) Jackie Michels, P.E. (PBCWUD) Evan Ghidella, E.I. (KHA)

kimley-horn.com 1920 Wekiva Way, West Palm Beach, FL 33411

561 845 0665



October 3, 2024

Andrea Carpenter, P.E. Kimley-Horn 1920 Wekiva Way, Suite 200 West Palm Beach, FL 33411

Subject: YB # 022-10-075 & PBC WUD 18-066R Water Treatment Plant No. 2 Treatment and Disposal Improvements Design Package 2 - Deep Injection Well

RE: Request for Time Extension

Ms. Carpenter,

As you're aware, coordination and design changes on this project have caused several delays which have contributed to the project being behind schedule. These delays include:

- While preparing for injection testing in December 2023, Youngquist Brothers (YB Contractor) experienced 14 days of delays due to conflicting holiday schedules, pump-related issues, and intermittent access to the basin for water storage. Youngquist Brothers worked with the County and Kimley-Horn on a mutually agreeable schedule that resulted in a 14-day delay (12/12/23-12/23/23. 12/26/23-12/29/23) to completion of the injection testing activity.
- As a result of downhole conditions identified during well construction, changes in design to the pump and piping layout were required. The change from a submersible pump to a centrifugal pump on the Monitor Well involved a procurement delay, which was captured under a previous change order. However, what was not captured at the time of that change order was the cascading effect this change had on related items. Switching pump types resulted in changes to piping layout, connection points, sample port location and the route of the tubing. The work required to redesign, procure materials, and then install the redesigned work was significant. Time to procure additional materials caused a 21-day delay (12/29/23-1/19/24), and the extra work required to install/implement the changes caused a 14-day delay (3/29/24-4/12/24). This was a collaborative effort between YB, Kimley-Horn and the County, where all parties worked to help mitigate any further delays.
- While performing work on the duct bank, Edwards Electric (EEC) encountered an issue whereby another contractor had shifted their work approximately 30' which caused EEC to have to alter the work they were performing. This caused an 11-day delay (3/11/24-3/22/24) to the project.
- Coordinating schedules between Youngquist Brothers, Edwards Electric, CC Controls, Kimley-Horn, Hillers, Hillers' subcontractor, and Palm Beach County for PLC and SCADA programming, screen testing and loop checks was delayed due to multiple scheduling conflicts encountered between the parties involved. A 16-day delay (6/30/24-7/16/24) is noted on the schedule.
- Youngquist Brothers also suffered significant impacts from Hurricane Ian. While activity NCON-1000 shows a 2-day delay related to this storm, that activity strictly aligned with onsite storm preparation. What the activity does not address, however, is the extent to which

02210075 - Time Extension Request (October 2024)

1



Youngquist Brothers was unable to properly support the project because of damage to their headquarters and being displaced from their office because of this Force Majeure event. Poststorm conditions made it increasingly difficult to obtain and distribute the necessary supplies and equipment to the project and are difficult to quantify as it relates to the total number of impacted days. Youngquist Brothers firmly believes the effects of this storm on their operations extend far beyond what can be shown in the project schedule. For example, it is difficult to document the effects of being displaced from your office and having to work from an office trailer for over 3 months. However, YB has identified several delays that were the result of supply chain, labor and trucking availability issues related to the hurricane. The 66 days of delay can be found on page 3 of the following schedule. Various images from Youngquist Brothers employees are attached for reference.

Based on the reasoning above and the attached schedule, Youngquist Brothers has identified 142 days of documented delay. However, a time extension of **118 calendar days** should be sufficient to bring this project to a close. The revised Substantial Completion date would be July 22, 2024, and the Final Completion date would be September 20, 2024.

Youngquist Brothers understands the importance of this project and appreciates the team's efforts in reviewing and approving this request.

Should there be any questions, please contact our office.

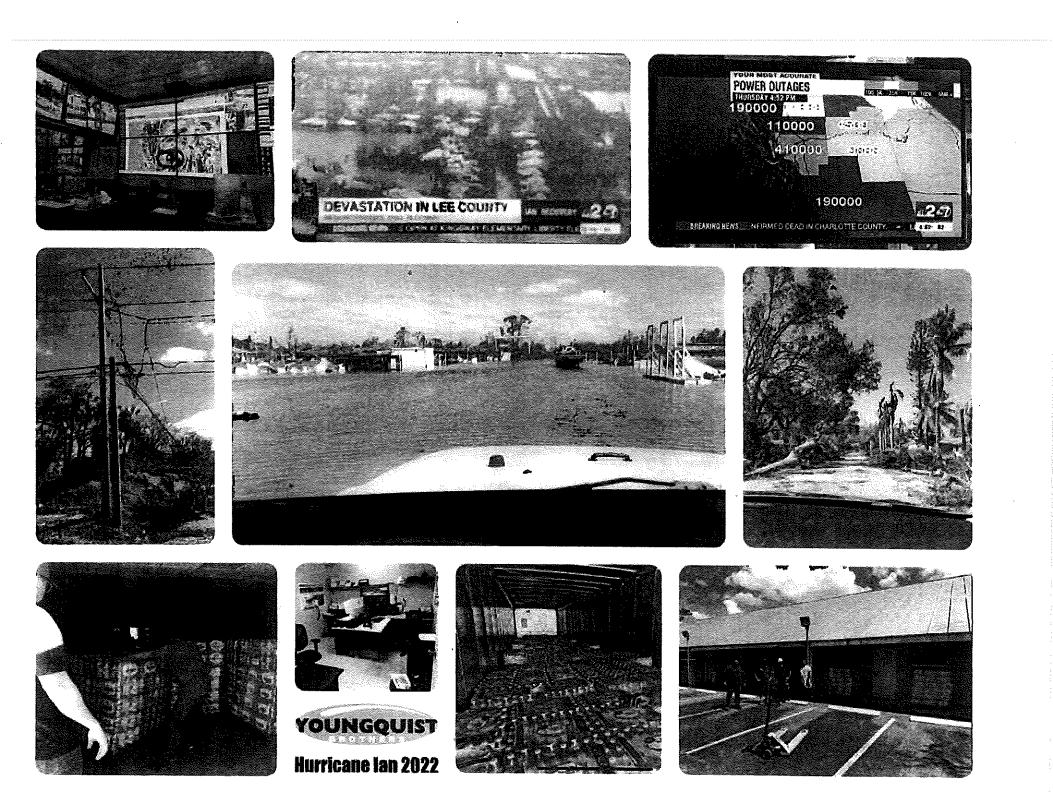
Respectfully,

Matthew Young DN: cn=Matthew Young, o=Youngquist Brothers, LLC, ou, email=Matt@YoungquistBrothers.com, c=US Date: 2024,10.03 14:10:32 - 04'00'

Matt Young Contract Administrator Youngquist Brothers, LLC Matt@YoungquistBrothers.com

02210075 - Time Extension Request (October 2024)

2



			3	Full Sche	dule Layo	ut			4			9-4-20-40-2-4-2-2-2-2-2-2-2-2-2-2-2-2-2-2	Service of the servic
ay ID	Activity Name	Duration	Start	Palsh	BL Project	BL Project	BL Project Duration	Budgeted Total Cos		2023	77	2024	13
hilor Ter	She and Filmst MD D To advert the set Diversity of the	nts . Und: 591	62 Jun 72 A	107-0-5-24	Sector Company			and provident and the second	MJJABGH	AD SALLEMAN IL	DIFUNY	JANE	TLOME
	atment Plant N0.2 Treatment and Disposed Improvement	AND IN THE REAL PROPERTY AND A REAL PROPERTY AND A			C6-3m-22	27-Jan-24	412	\$16,045,876.02					1 1 1
	s & General Conditions	365	Mi-Juny 2274	07-06614	166-351-22	27-139-24	665	\$2,274 620.66					
	8 bilestones		in-Jon-22 A	107-Qat1a	D6-A-6-22 -	27.Jan-24		50 QC					
Mil-1000	a a bar a sama a a sa s	i _ 0	06-Jun-22 A		08-Jun-27	1	Ŭ:	20,04	♦ NTP				
	Duration Til Substantial Completion	117	05 Jun 22 A	22-Jul-24 A	07-Jun-22	28-Nov-23	540	\$0.00				nana Cur	ndiion Jiitz
	Dumilion Tit Finel Completion	837	06-Jun 22 A	20-Sept-24	07-Jun-22	27-Jan-24	600	\$0,02	1.	1.3.4.1.4 5.4.3.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.	2 • [• ·]• ·] •] •] •] •] • · • [• ·]• ·] • ·] • ·]		Dumber
General Co	•	; Ó		:20-Sept-24*		27-Jan-24	Û	\$0,00					Final Co
	General Conditions		(Shoun-22 A	1020634	Crossum-23	27-14-24	05.50	\$2.214.626.CC					
	Public Construction Band Pram.	837	05-Jun-22 A	20-Sept-24		27-Jan-24	601	\$2,082,628.00		********			General
	Siandoy WOraw is Market at the Market and Andrew Andrew Sector State Sector State St	- 23 	terbrise the terms	06-Jun-22 A	08-Jun-22	08-Jun-22	****************	\$135,000.00	Public Const.	utikan Band Paula			
	Standoy Wo Crew	1 204 1 204 1 204 1 204 1 204	08-Jun-22 A	21-41ar-24 A		27-Jan-24	6D1	\$32,000.00			Step	idby with sy	re Stanob
³ /re Consi		43.1	02-Jun-22A	21-M2-24 A	08-Jun-22	Contraction of the second second	601	525,000.00			Staf	uby wo Ce	SW Blaric
	urceun ««Aanowa»	an and a star star star star star star star st			[05-ur-22	145×8423	2/3	\$0.60					111
total Salar		4.1.4 6	107.Jun-72.A		- 05	115 6 89 23	233 Senterioren artiko data	50 00					
). Propara & Submit Site Specific Health & Safety Plan		02-Jun-22 A	04-Jun-22 A	06-Jun-22								114
	. Prepare & Submit Schedula of Values		02-jun-22 A	04-Jun-22 A		24-Jun-22	14	\$0,00		bini Sie Spacific Health & S	intery Play		
Annual 12121	- Review & Approve Ste Specific Heath & Safety Pan	∾∾⊷⊷⊷⊷⊷⊷⊷⊷⊷ • 91	04-kin-22 A	04-JUN-22 A	05-Jun-22 - 27-Jun-22	24-14-22		\$0.00		brut Scholding of Values			
	Review & Approve Schedule of Velues	• • • • • • • • • • • • • • • • • • •	104-han-22 A	10-301-22 A	27-Jun-22	26-30-22	21	50,00		nhvà Silé Spécilic Health & I	Safety Plan		
	Prepare & Submit Ension Control Plan	······································	06-Jun-22 A	08-Jun-22 A	21-Jun-22	24-Jun-22	21	\$0,00 \$0,00	1	up ove Schedule of Values			
	Propare & Submit Preconstruction Photos & Video		05 Jun 22 A	16-Jun-22 Å	06-Jun-22	24-30-22	14 14	\$0.00 \$0.00	1	bmil Einidon Control Plan?			
	Propere & Submit Water Quality Lab Oreden lies	19	06-Jun 22 A	05.1422A	08-Jun-22	24-10-22	- 14 14	\$0.00 \$0.00		uamil Priconstruction Photo			
	Prepare & Subrit Baseline Schedule	19 47	08-Jun-22 A	12-Aug-22A	:05-Ain-22	24-Jun-22	14 14	\$0.00 \$9.00		Sobrat Water Quality Lab Cr			
SUB-1600	Rindew& Approve Erotion Control Plan	1 1	08-Jun-22 A	24-Jun-22 A	27-340-22	126-34-22	21	99.00 \$0.66		& Submit Bataloni Schedul Doube Erosion Control Fran			
5UB-1810), Review & Approve Praconstruction Photos & Video		118 Jun-22 A	16-Jun-22 A	27-kin-22	28-Jui-22	21	au.or		prove Precipitatican Phote			
SUB-1830	Review & Approva Whiter Chality Lab Greden Sale	1 24	05-KH-22 A	08-Aug-22 A	.27-3-0-22	26-Jul-22		\$0.00 \$0.00		prove Precontinueson Priore & Adporte Whiter Cludity Lat			
SU8-1640	Roview& Approve Beseline Schedula	77	11-Jul-22 A	27-Oct-22 A	27-Jun-22	26-11-22	21	50.00		eviews Approve Bassing 3			
Concrete		a karakan kara kara kara kar a	12-Uec-22-A	22.000.23.4	10100022	the second s		So is		entre a convert Datasatio si			
) Prepare à Submit Concrete Product Data	16	12-Dao-22 A	04-Jan-23 A	01-Dep-22	20-0-0-22	14	\$0.00		Prenare & Subital Corpo	iste Produkt Pade		
er anderstand and descendents	Prepare & Bubmit Bhop Drawings of Reinforced Steel	+ 16	12-Deo-22 A	05~lan-23 A	'01-Dap-22	20-0-0-22	14	\$0,00		Prepare & Subject Shop			a la la
and the second s) Review & Approve Concrete Product Data	17	04-Jan-23 A	27-Jan-23A	21-Dec-22	23-Jan-28	21	\$0.00	111111	. Reviews Approve Co			
SUB-1900	Review& Approve Cest in Shop Drawings of Reinforced Stock	6	05-Jan-23 A	13-Jan-23A	21-006-22	23-Jan-23	21	\$0.60		Feview & Appiove Cala	In Shine One of	in the Heater	ด้พระสะดา
Electrics1		an a	1864 - 1422	Uf Declara	15-20-22	26-14422	··· 35 %	Survey and the store					
	Propare & Submit Electioni Malerial & Methode	102	198-Jun-22 A	20-00-22 A	08-Jun-27	24-10-22	14	\$0.00		repard & Subjust Electrical M	absilal & Method		
	Prepare & Submit Grounday	102	08-Jun-22 A	28-Oct-12 A	the statement of the second	1 24-kat-2 2	14	\$0.00	ار ا <u>مکنت اسا</u> ر ا	repune & Submit Grounding			
	Prepare & Submit Receiveys	102	06-Jun-22 A	29-04-22 A	106-Jun-22	24-Aun-22	14	\$0,64		mpare & Submit Raceways	11111		111
	Prepare & Subrit Systems	102	08-Jun-22 A	29-00-22 A	-08-Jun-22	24-34-755	14	\$0,0	i serence p	repard & Submit Systems			
a feather statement of the second	Prepara & Submit Lighting	102		29-00-22A	-06-Jun-22	124-14-22	14	\$0.00	i Samuelaniae b	repare & Submit Lighting			
	Prepare & Submit Electio Motors	102	06-jun-22 A	29-Oct-22 A	05-Jun-22	24-140-22	14	\$9.00	Participant P	répére & Submit Electric Ho			
	Prepare à Subrrit Control Panels Il Reviews Approve Grounding	102 J	08-Jun-22 A	28-0d-22 A	'06-Jun-32	24-Jun-32	14.	\$0.00		repard & Submit Control Pa			
	Neview & Approve Receivers	25		107-Dec 22 A		25-14-22	21	\$0.00		Review & Approve Ground			
), Review & Approve Systems		28-Och22 A	07-Dec-22 A		26-31-22	21	\$0.00		Review& Approve Raceive			
	r, newww.c.Approve.Systems	25	29-Oci-22 A	107-Dec-22 A		26-14-22	21	\$0,00		Hiviswi & Adoptova System			
	a new a popular contrant and a contract contract and a contract of the second statement of the second statement of the second statement , Review & Abbroxe Electric Materia	25	29-06-22 A	07-Dec-22 A		26-141-22	21	\$0,00		Nevinw& Approva Lighting			
	- Reviews Approve Control Panels		29-Oci-22 A	07-Dec-22 A	The second se	26-10-22	21. 21	\$0.01		Review&Approve Electric			
Barris Makes had a	, Review& Approve Electrical Mailana) & Mathods			07-Dec-22 A			21	\$6.0		Reviews reprove Control	Panals		
EANTHOUGH				in source		A DURINCE	21 	\$0,01 [930]		Review & Approve Electrica	a Material & Mod	nona :	
rt: 02-Jun-2	2 Remaining Level of Effort	Remaining Work		eutorent Plant	تمريز (و ذيه د ۲۰ د مار شرب م ا کرد سه ۲۰۰۰	Canada and a state of the state		140				<u>::::</u>	
ish: 20-Sept	· · · ·	Critical Remaining W		eunnent triant Inproventenis			,	Carl Carl Carl Carl Carl Carl Carl Carl		. Date Re	Prepared By: I vision Ch	MY Neckeci	
a Date: 23-1		Milestone	wapteul li	причэнельских Нем		nefi eu life		OUNCO	JIST	23-Jul-24 00	VINCI CI MY	IN CKEC	Аррго
				Page	-		1	No. No. 100		F			

ilway ID	Activity Nams	Duration	51ari	Pinish	BL Project Start	BL Project Finish	BL Project Dimition	Budgated Total Co		PDIBLALLPIAMPILD	2024	र्यवमन्त्र र
SUB-1380	Propure & Bubrrit Fil Materials Samples			15-Feb-24 A		14-Apr-23	14	\$0,0			Prepare A Su	ibinit MitMateri
SUB-1930	Review & Approve Fill Malerials Gamples	6	15-Feb-24A	23-Feb-24A		15-May-23	1 21	\$0.0	o		* Raylaw & Ap	project Fil Mate
Welli Const			402-ht-22.5	108-149-22-6	065.4~22	423-04823		-#19-19 # 19-50 (# 50 (
	Prepare & Submit Rig Info	<u>2</u>		194-kin-22 A		24-hin-22 24-Jun-22	14	10.0		ubimit Ritgijnfo		111.11
	Prepare & Submit Steel Casing Info	14 631.000	02-Jun-22 A	04-Jun-22 A	05-Jun-22	24-Jun-22	14	\$0.0		ubini Slepi Cating info		
	/ Prepare & Submit Hur Product litte		02-300-22 A	04-Jun-22 A	08-Jun-22	24-100-22	5. 1000 a 14	\$0.0 \$0.1		uluni FRP Product info ubnut Paukar Texting Baulonis		
a	Prepare & Submit Core Banel Assembly		02-Jun-22 A	04-Jun-22 A	08-305-22	24-Jun-22	14 	\$0.4 \$0,6		ubnit Patker lexbro Equipmen ubmit Gene Bernel Assambly	F	*****
) Prepare & Gubrix Core Denvirosseniny		(02-Jun-22 A	16-Jun-22 A		24-34-22	*	,		uomi Guni Birmi Aisimpy Submit Pati Monitor WAI Propio		
	1) Prepare & Submit Pad Monado ever Proposad Cayou	10	; 02-Jun-22 A	16-Jun-22 A	05.10-22	24-Jun-22	· · · · · · · · · · · · · · · · · · ·	101	and the second	Submit Culturgs & Oilling Fluid		
	Prepara a course counting a course into Deputation Course Prepara a Submit Counting a course into the provident Course	18	102-Jun-22 A		06-Jun-22			••••• •••••••••••••••••••••••••••••		Submit Cament Paydes Print		
	Propage & Submit 14 Well Suppression Drop Pipe	. 2	02-Jun-22 A	04-jun-22 A		24-100-22	. 14	\$0.0		ubini 14" Well Superestor Dr		
	3) Prepara & Bubmit 44" & 36" Odlable Centering Guide	. 2	02-Jun-22 A	04-Jun-22 A	06-Jun-22	24 Jun-22	14			phyrat 44" # 36" Cinilable Conte		$\{\cdot\}$
	Prepara & Submit Rig & Mud System Containment Paul Drawing	2	02-Jun-22 A	04-Jun-22 A		24 kin 22	1 14	\$0.0		Intrit Flig & Mun System Con		a
	o prepara 8 Submit Orlindio Bridge Piug	2		04-han-22 A		24 Jun-22	14	\$0,1	21, 1977 A.	ubmit Drieble Sildge Pkg		
	2. Prepare & Subrill Watchington Rolling Head	2	02-1-0-22A				14	30,I		ubini Waihibgton Floteling Hi		
	D. Prepare & Submit Caving Shos	2	02-Jun-22 A	04-Jun-22 A	00-Jun-22	24 Jun 22	i ii	1 \$0.6		ubinit Casing Shoe	T	
SUD-1710	I Prepare & Submit Welting Certi?cellone	···; * * 2 ***	102 Jun 22 A	04 Jun 22 A	ÖG-kn-22	24-Jun-22	1 14	· · · · · · · · · · · · · · · · · · ·		bind Weiting Certifications	********	14-14-14
SUB-1720	0. Prepare & Submit Godium Oluconets Additive Product Info	2	02-Jun-22 A	04-Jun-22 A	05 Jun 22	24 Jun 22	1 14	3 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Voint Sodium Gilcondin Add	he Postura loto	
BUB-1730	D Prepare & Submit Audit Means & Methods - Large Die, Muddari Hole Clean/Condition/Cernan	1 2	02-Jun-22 A	(04-Jun-22 A	06-Jun-22	24-Jun-22	14	60 ,1		ubmit Acidi Meana & Mothoda		Hule Clash
SU8-1980	U Review & Approva Rig Info	7	04-Jun-22 A	15-Jun-22 A	27-An-22	28-14-22	21	\$0.		ppinole Rig linta		
6UB-1090	D' Review & Approve Stoel casing into	15	04-Jun-22 A	28-Jun-22 A	27-Jun-22	26-Jui-22	21	¥0,	XI Reviews	Appeniel Gasting Info		
EUB-2000	0 Review & Approve FRP Product Info	15	04-Jun-22 A	J 28-Jun-22 A	27-3-17-22	26-Jul-72	21	30,	00 🗯 Revewa	Approve FRP. Product Info	生食性 對於	*****
SU8-2010	0 Review& Approve Packer Tasking Equipment	18	04-Am-22 A	05-Jul 22 A	27-Jun-22	28-Jui-22	, 21	\$0,	10 🗯 Réviews	Approve Racker Testing Equip	mant	
SUB-2020	0 Review & Approve Core Benel Assembly	17	04.kn.22 A	23-Jun-22 A	27-31-22	28-Jui-22) 21	1 \$0.		Approve Core Barrel Assembly		
	0, Review & Approve Pad Monitor Wes Proposed Layout	-10	104-Jun-22 A	20-Jun-22 A			21	\$0.		porove Pad Monitor Well Pich		
	0. Review& Approve Cuttings & Diffing Ruid Disposel Letter	10	104-Jun-22A		1 m m m m m m m m m m m m m m m m m m m		21.	\$0.		opunite: Cuttings 2 Onling De		
	D Review & Approve Coment Powder Product Data	43	04-Jun-22 A				21	1 \$0.		Vis Approve Cemers Powder P		
SUB-2180	9; Review& Approve 14" Well Suppression Drop Piga	14	04-km-22 A				: 21	1 \$0.	10 🥗 Reviews	Approve 14" Wall Suppression	Diop Pipe	
	3. Review & Approve 44" & 38" Diffeble Centering Guide	12	;04-kin-22 A		an of a shakehouse down	and it also because endowed	: 21	10,		Approve 44" & 36" Difable de		
	0 Review & Approve Rig & Mud System Containmon! Pad Drawing	7	01.km-22A				21	\$ 0.		bolow Rib & Mud System Co		ing i i i
	D: Review & Approve Didable Bridge Plug	12	04-Jun-22 A	an alteria state faire	and the second second second	at a blease manage	i 21	1 80.		Astroive Dittable Didge Plug		
and television of the	0 Review & Approvo Weshington Roteling Head	12	01-Jun-22 A				i 21'	\$0,		Approve Wathington Rotating	Heind	TIM
	C Review & Approve Casing Shoe		104-1-22A				21	\$0.		Approve Casim State		
S	Di Review & Aporove Welding Carli?cations	7	04-Jun-22 A				21	\$0.	00 :* : Kendew & /	prove Welding Cedi?callons		
	0 Review & Approve Sodium Gluconsile Additive Product Info	15	04-Jun-22 A		**** *** ********		21	\$0,	DO ReviewA	Apprive Sociarin Galcunite A	NUM Prockici Infe	
And and an all and an and an and	G Review & Approve Add1 Means & Methods - Lunge Dis, Mudded Hois Clean/Condition/Ceme	n 15		26-Jun-22 A	a second s	4.24	1 21	\$0,		Approve Aud Means & Means	or - Laiga Dia, Mud	hed Hole:Class
1 urg a 8.	0 Prevens & Submit Suction Pumos	102	06-Jun-22 A	29-06-22 A	06-Am-22	25-0d-72	2	production of the second s				
	0 Present & Submit Success Pumps 0 Present & Submit CZMW Pumps	102	06-Jun-22 A				100	19. 10. 10.		Propers & Submit Spellon Pur		
		102						5		Prepare & System DZUW Pun Prepare & Subini OZUW Pun	¥ 24	
84	0 Prepara & Submit Valves	127	05-Jun-22 A	24-Apr-23 A			100	50.				
	0, Propere & Submit Storage Tank	28	128-00-22 A		27-00-22		21	\$0. \$0.		· Reveve Approve Subi		
	0 Review & Approve Suction Pumps	28 25	28-00-22 A				1 to make up.	40. 				
	U. Review & Approve Furnes	28		12-Doo-22 /			21	\$0. \$0.		Review & Approve Pumps		
	0. Review & Approve Valves 0. Review & Appriove Storage Tank		6 24-Apr-23 A				21	50 \$0 \$0		Period Adaptive Value	phove Storage: Tark	
BUB-214		34 5-15-373-	- 24-A01-23 A		and the second second second second	1 204(0442		40 12 13 14 14 14 14 14 14 14 14 14 14 14 14 14		T Preview AVA	nuova omanas tank	
) Procure Lighting Poles			28-Jun-23 A		23-Nov-22	120.	\$0.		Procine Li	phikno Polipa	
Start: 02-Jun-	23 Remaining Lavel of Effort			rearment Mar							Prepared By: MY	

,

			-	Full Sche	dule Layo	ut		
WHY ID	Acility Name		siad	Finish	IIL Project Start	IBL Project Finish	BL Project Duration	Pudgeted Total Cost 2022 2023 2024 2025
PRO-1110		241 ·	12-Jan-23 A	09-Sep-23 A	127-Jul-22	23-Nov-22	120	
	Process Piping, Values & Daviess - OZMVV	364	31 Jan-23 A	19-Jun 24 A	29-Nov-22	05-14-23	220	\$0.00
	Prouve Piping , Valves & Daviess - Conteinment System	354	31 Jan 23 A	19-Jan-24 A	29-Nov-22	16-km-23	200	50 00
	Procure Ploing , Values & Daylows - IW-1	, 364.	31-Jan-23 A	19-lan-24 A	28-Nov-22	17-Apr-23	140	S0.00 House Parts Advest Device
and the set of the second second second second	Procure Slonge Tank	74	29-Aug-23 A	10-Nov-23 A		16-kin-23	200	\$0.00
	Procure Suction Pumps	63	15-Nov-23 A	16-Jan-24 A	29-Nov-22		120	\$0.00
A Longer and and the second		63	15-Nov-23 A	18-Jan-24 A	. 20-Nov-22	17-Apr-23	140	\$0,00 Minute District Products Distribution Products Distributio
Well Cons	Second State Contract Approximation (Second State Contract State Contract State Stat	374	Cel-3, 1-22 A	3546423A	166 AUB 22	(Prosection)	260 8	1 (1) 2 (1) 2 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
নিয়াজ সহায	and the second		-US-JULIA A	- 6%-302-77 A		23-404-22	44	\$1,120,800,000
an of a result and a star	Pre-Con Photos Mideas Locates & Surveys	• 5	00 Jun 22 A	A SZ-nul-20	Q6-Jun-22	110-305-22	5	\$85,000.00 / Pre-Con Photos Videds, Locates & Surveys
	Makize Sie Equipment/Stabline Sie	18	00-Jun-22 A	02-Jui-22 A	;06-Jun-22	17-Jun-22	10	\$175,800.00 - Mobilize Ske Equiprient/Stabilize Ske
	Enableh Powerulling		18 Jun-22 A	22-Jul-22 A	06-100-22	13-14-22	26	\$450,000.00 The Establish Powertuilated
	Install 64" Pk Cessing 6V/	-	i f4-km-22 A	14-Jun-22 A	14-Jun-22	15-141-22	2	1 \$38,400.00 1 Install 64* Pit Casing (W)
	Install 44" PR Caslog (DZMVy Mobiles & Erect Drit Rig, Mud System & Containment		15 An 22 A	15-Jun-22A	18-Jun-22	17-Jun 22	2	\$36,400.00 Invine 44" Ha Calanto (DZMW)
	Mobiles & Berkio Fieki Taliers		: 20-Jun 22 A	09-8ep-22 A	21-Jun-22	21-Aug-22	44 	\$265,000.00 Mobilize & Erect Dell Rig, Mud System & Containment
	Drill (4) pad Monitor Wells		24-Jun-22 A	02-Sep-22 A		01-14-22	5	\$85,080,00 Mobiliza & Set Us Fast Trafer
Injetcion se		4 · 4	28-Jun-22 A	28-Jun-22 A	21-Jun-22	24Jun-22	4	\$46,000.00 () Oal (4) patt Morider (4) Ba
and a second sec	(1972) • Raem Nove, 62" Bomhole to 215"	200		30-110+2324				
	Geophysical Logging of BH	· · · · · · · · · · · · · · · · · · ·		18-Sep-22 A		28-Aug-22	7	\$69,000.00 * Resmitten, 62'Bonihole to 215'
	Indust 54" Steel Casing to 210"			18-Sep-22 A				30.00 Geophydical Logging or BH
	Cemant 54° Ceshoy La riv		1	19-Sep-22 A			1	598,000.00 instar 54 Steet Caupy 10,210
	Center Punch centern Plug			20-Sep-22 A		وبجوابية أمح محجمان	2,	\$5,750,00 Cement 64 Cating
	D/i Nominal 12' Pilot Holes to BBS'		21-Sep-22 A		02-8ep-22	02-Sep-22		\$0.60 * Center Punch cement Play
	Geophysical Locard of PH	3 	22-56p-22 A		03-Sep-22	05-Sep-22	3. 	\$225,000,00
	Hunicane Ian Prop / Rig-Up			26-Sep-22 A		06-Sep-22	с. <u>1</u> јениет 1 г. јан	\$0.00 Ceuphysical Longing of PH
CON-1070				29-Sep-22 A	بودو وتصاد عاداته م	and the second	5	\$0.00 filiménéo lan Pireb ARIp (Ju
	Tratal 44" Sizel Cacing to 976"	+ + 18	The second states of the secon		07-Sep-22	22-8ep-22	18	\$225,000.00 M Ream Nem 54 Binandia to Ustr
	Reading the second of the second s	-	17-0d-22 A	18-DCI-22 A	24-Sep-22	25-Sep-22	2	\$292,500.00 I Instal #4" Sleat Cushy to 975
	Germent 14' Casing (w Temp Logs)		19-Oct-22 A	24-00-22 A	23-340-22	23-8ep-22	1	SD.00 Gangoliyekai) Lodarig of 80
	- Change to Revense AF Dring	and and a second s	25-0ct-22 A	11-Nov-22 A		08-Oct-22		\$29,250.00 Cabrint 44" Cabring (will Terro) Luga)
	- Municipal to the Vertex of the Second and the Second sec		07 Nov-22 A	11-Nov-22 A	20-86p-22	105-00-22	10	\$1,100 TChange to Revenue Air (Niting
	'D/A Nom. 12' Piot Hole to 1906'	23		05-Dec 22 A	00 00 00	12-00-22		\$0.00 \$ Humseine Nindle Preu/ Rid Up
NCON-10	the first that the second se	n bar hat hat i darahi ba sakatan katal Y	14-Nov-22 A	21-Nov-22A		1 124 CRACK		\$276,000,00 ;= 10dl Nom; 12" Pikit Hole to 1905
CON-1130				09-Dec22A	13-Oct-22	14-00-27		Failing Ashing (Drip)Pibe)
	Present of the second second by the second			15-De0-22A	15-Oct-22	19-04-22		\$0.00 Ceophysical Logging of PH (56D):
CON-2870	Wel On PH Plusback Approval	13	115-D=022 A		·1	1 10 00002		\$90,000.00 Perform Picker Teilisina (3) \$0.00 Viti Viti Chi PH Paidsack Assertival
CON-1150	'Plugback PH w Cement to 1105'	8		04-Jan-23 A	20-Od-22	21-04-22		\$0.00 Will Chi PH Phipsack Appintual \$40,000.00 Phipsack Phi w Camata ta 105
CON-1160	Ream Nom, 44" Borshola to 1620"		04-Jan-23 A	08-Feb-23A	122-04-22	02-Nov-32	12	\$262,500.00
CON-1170	Geophysical Logging of BH	**************************************	09-Feb-23A		03-Nov-22	103-Nov-22	······································	
CON-1180	Instell 36" Casing is 1815'			12-Feb-23 A	04-Nov-22	05-Nov-22	2	50.00 Geoptitulas Lageng of BH \$555,003.00 * Inisia B6 Gasing to 18 5
CON-1190	Cemeni 36" Casing (w Temp Logs)		13-Peb-23 A	20-1 eb-23 A	05-Nov-22	09-Nov-22	s	\$74,000.00 ** Cwineth 36" Called W. Teimp Luge)
	Dril Nom, 12' PH to 3500' & Collect Clare Samples (8)		24-Feb-23 A	28-Mar-23 A	10-Nov-22	29-Nov-22	20	\$778,000,00 Employed Contemp (of temp togs)
CON-1210	Geophysical Logging of PH (S&D)	2		31-Mar 23 A	30-Nov-22	01-Dec-22	2	\$0.00 Solution (2) PH to Solution (2) PH to Solution (2)
CON-1220	Perform Pecker Teeing (5)		05-Apr-23 A	25-Apr-23 A	02-Dep-72	111-Dec-22	10	\$150,000.00
	Instat Bridge Plug @ Approx, 2923'	3.	27 Apr 23 A	30 Apr 23 A	12-Dec-22	113-Deo22	2	sto, coo. ug
	Pugback PN W Cement to 1968'	7	30 Apr 23 A	07-May-23 A	: 14-Dec-22	15-Dec-22	2	\$15,000.00 9 Phyphilit W Colmentur 1988
CON-1250	Ream Hom, 35" Borshole to 2903'	27	08-May-23 A	04-Jun-23 A	116-Dap-22	24-Dao-22	······	\$315,000,00
itart: 02-Jun-22	2 millione Remaining Level of Effort	Remaining Work	1969 (1979) (1979) 1977 1977				1	
inish: 20-Sept-		Onitcal Remaining W.		eatment Phan mprovenients -			,	Propared By: MY Data Revision Checked Anymund
ain Date: 23-J		Milestone	maprours	mprovenceus Aevi	• •	waley HE	1 4	YOUNGOUISP Data Revision Checked Approved
				Page 3				

								Full Scl	iedule Lay	out										sat illina ora, ngeg	MICTOR
dhity 10	Activity Harna	**************************************	#*************************************		tulosona anticipation (by	Dum	tion Start	Finish	BL Project		BL Project	Budgelad Total Cost			متابز (مبتناهاتها ک	-	2023		2024	فند فيترك والمحاكمة	<u> </u>
CON-1260	Geophysical Logging of 6H		**************************************				05-Jun	144 DT 1- 44		Falin	Dunidon		MJ	JAS	qMi	JINHA	MIJIAS	AND JIE	MAIN	A SCH	<u>.</u>
OON-1278	instal 26" Steal Casing to 289	5 ×		rter raan e na			108-305				1	\$0.00				for the form	Geophy	NyatLuggin	101811	Jail.	11
CON 1280	Cement 26" Cosing to 600" (w	Terno Locas	nir H	112 1 13 - 410	.		2 10-Jun-				3	\$1,644,000,00				1111		5 Sleel Go		···	÷
. CON-1340	Contoni 26" Casing in Surface	(w Tamp Loos)	19. A. C. A. SARANA.	a.m			2 10-30n- 23-Jun-		he turns	1 444	8	\$5,250,00	: ·				Cerniz/	126 Cada	10 500 AV	Terms Loos	d.
CON-1320 ;	(Geophysical Logging (CBL)			47 mm + җ	*****				be to be and	16-Jan-23	2	\$1,000,00					Geme	126" Calin) to Fuitace:	ini lasi di	2
CON-1290 -	Pressine Test 25" Casing				· · ·- · ·		23-Jun-			113-Jan-23	1	\$0.00					Geoph	vical Local	nd rice in		7
CON-1300 .	Ream Norn. 24" Barshole to 3	500		way a labyranadd ard q			A STATE AND A STATE OF	harmin da anna muchalana an		05-Jan-23	2	\$50,000,00					. Freise	va lest 25"C	1100		Ì
CON-2220	Retrieve Twisted Off Weight &	a baar a sa araa a sa araa a sa araa. BB		** * * ******		··· ••• *****	A Marcola has a state of the	and the second second		11.Jan-23	8	\$178,600,00							"Operations	o asor	ł
CON-2240 i	Rig Bechical Repairs						02-Jul-2				.i	\$0,00							XI Wekmis		i
	Geophysical Logging of 8H	P			• - •• • ••		05-Aug	realize for the local between the barries			: 0	\$0,00						Eliptocal A		T	
CON-1330	Geophysical Logging (Video)	where we want to be a standard and the fill state of		and and an international			12-Aug			12-Jan-23	1	\$0.00		·.	:				adayid okiiiti		ł
CON-1350 !	Instal 18" FRP Injection Tubing	In TREE						23 A 16 Aug-23		14-Jan-23	1.	\$0.00						in the least i	ອອຸດາມ ເຊິ່ງອອ		i
CON-1364	Geophysical Logging (Pre-CBL	10 2000	التورية الممتحد م	• ••• • •	,.	~ 9	10 Aug	23 A 23 Aug 23	A 17-len-23	18-Jan-23	2	\$1,445,000.00		"1"	11		计计算	sial (R" FRG	Initction in	olari en sini	
	Coment FRP Jubing to Surface		ور البالية والاروامانية			+ + + + + + + + + + + + + + + + + + + +	23-AUG	23 A. 23 Aug 23	A 19-Jan-23	19-Jen-23] 1	\$0,00						approved a	opond (Rea		#
	Gaophysical Logging (CBL)	4 mai 200 13 mai 49 milandar 49 mil	le a per legit e ego (y al	er instanse av		ا موجود به محمد و مد د		23 A 02-Sep-23		24-141-23] 5.	\$144,500.00							Tutiong to Ma		-
	Develop Well & Collect Final V	li de la la van 20 avg de voedte bergeneren. Mei		****				23 A 01-Sep-23		26-Jan-23	2	\$25,000,00							oucing to 20		ł
	Demobilize/Remobilize D/II Rid			····• · ··· •			10-Sap			27-40-23	1	\$20,000,00			1				I & Colectin		
	MIT - Pressure Test 18" FRP To					1.	13-500			21-Pab-23	20	50.00	·•••		÷	; ;			Ramobility	IN ANCI	
CON 4446	Complete Welthaud	bing to the second second					15-Sep-	23 A 15-Sep-23	A 29-Jan-23	30-Jan-23	2	\$25,000.00	1		•			Contractor	rearing on the second sec	าเมษาเพ	ł
CON-MIL	COMPANY VIEW AND		والمرجز مورجر والربع فالاخت			. 3		23 A 22-Nov-23.		01-Mar-23	8	\$0,00	:	111				MI - #1222	va Rest 15 P	He anome	1
000-000 (MIT - Geophysical Logging (Vic	60) •• (21************************************			-	1	28 Nov	23 A 29-Nov-23.	A 28-Jan-23	28-Jan-23	1	\$25,000.00						Compl	ole William	5111	ł
	NIT - Grophysical Logging (Ter	np/Gamma Ray/RTS)				1	JO-Nov	23 A 30-Nov-23,	A 31-Jan-23	01-Feb-23	1 2	\$25,000,00						MI	3cophysical		Ķ
	ionitoring well (DZMW-1)	ya inggalan kasal pinan		ને અન્દર્ભ હું છે.	uch gan	- (S. S. P.). 18	8 20. ani.	3 Ko Charles	4. 102 March	Stansol3	68	\$2.775.000 G2			44		4.4.4	: MR - P ゆういやい	Stophysical	rollaud (B	まい
	Mobilize Rig & Anailary Equips		17.8%-9.979 (risk ik)	n		45	28-Jun-	3A 05-Apr-23/	····»		0	\$0,00	11					1111			1
	Ream Nom, 42" Borehole to 2	8'	www.electron.org			10	07 Apr.2	3A 17-Apr-28 /	02-1412-23	05-Mar-23	•*************************************	\$92,000.00		111			Moblice High				-
	Instal 34" Steel Casing to 225"					1	17-Apr	3A 17-Apr-23/	07-Hitt-23	(07-16=-23	Men manare He	\$90,000,00					Ream Nom				i
	Geophysical Logoing of BH		-			1	17 Apr 1	3A 17-Apr-23	06-Ma=23	08-116-23	1.	\$0.00					traini 34 Su	et Caang li	275		1
	Coment 34"Casing	and then a the set spinster				2	:18 Apr2	3 A 18 Apr 23 A	.08-Mar-23	109-Mar 23	2	\$6,750,00	. .	ų į į			Geophysical		ж Ж		j
	Ream Nom, 34" Bomhole to 66	0'		ic,418649, j4 €			20 Apr 2			18-Mar-23	9	\$225,000,00					Gemani 34	Ç ងរ៉ារថ្ន ;	1 - 1 - 11	THE	I
	Instal 24" Stant Casing to 075		angle (1.1).				103 May			121-Mar-23	2	ment of the standard of the st					Ream Nom				i
	Geophysical Logging of BH		1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 - 1996 -			, î î î		23 A 104-May-23		18-Mar-23		\$390,000.00					Justal 24" S				ł
	Cement 24" Daving (w Temp L	aga)	··· #1 1 *E-manifold *4 pag	AND 10 12 AND 1				3A .06-May-23		24-Mer-23		\$0.00	11				Geophysica	çir daliyun ol	BH		i
	Change to Revense Air Deleng	al-1 milities of the state of t	مدهدها والشياطين والمعاود		+ + star palari	na n	07-MA-			131-Mar-23		\$48,750.00						Sasing iw			ļ
	Displace Drilling Mud		ewe i bedanel le fed	بمرتبه الإطلاب الخ	ers ranger	ана (стано) 9 9	[18-May-			a na patananana a		50.00					¹ Change to	Reverse As	Dallarip	1111	ł
CON-1640 -	Drill Nom . 12" Pliot Hole to 190	O ¹		· • • • • • • • • • • • •	The second second second	 18				04-40-23		\$278,000.00						Willey Mod		1111	į
CON-1850 (Geophysical Lagging of PH (88	0)		1990 (HELE) (H. 1997)	••••	1 7	16-Jun-2	and the second second		05-401-23		\$276,000,00		114					Hole to 1900		;
CON-1550 P	Portonn Packer Testing (4)		en en el adore en la segue				24-Jun 2	44 C - 11 + 1 #		14-Apr-23		\$0.00			1		Geuph	Vical Coyon	d of PH 1560	3	i
	Wat on FDEP Approval			and a school of prairie		· · · · · · · · · · · · · · · · · · ·	03-Jul-2		01-401-23	14-406-23	8" 1" at geva) anns	\$120,000.68					Porton	n Packer, Ter	thag (4)		i
CON-1670 F	Plugback PH w Cameni to 112	5' (Gravel Through MZ		1		~~	and a materia		<u></u>	1	Q.	\$0.00						O FDEP Apr		11111	ł
CON-1580 [F	Ream Norn, 24" Borehole to 15	48°						THE R DI GUL PALS		16-Apr-23	2.	\$20,000.00	1				and Plan	DACK PH W	Cement 6:1	125 (Graw	è
	Geophysical Logging of 8H			da a 1 /	•	** * ****	03-840-2			20-Apr-23	1 4 10 10 10 10 10 10 10 10 10 10 10 10 10	\$187,500.00				311		in Non. 2	4 Bonshille	10 1548	i
	natel 16" Bleet Casing to 1548		and real and an arrival	• • • • • • • •	******		04-Sep -	the second second and an end of the		21-Apr-23	1	\$0,00							ogdina of BI		i
CON-1818 .C	Cemont 18" Casing (w Temp L	(1) (1)	******	14-494- 14 16-6-6-	****					24-Apr-23	3	\$510,000,00			11		1:1));	stal to Ste	d Cashgio	1548	i
	Dril Nom. 12" Banhole to Base				a and an article of the			3A 09-Sep-23/		, 28-Apr-23	4	\$58,000.00					11111	amont 16	aning the To	mo Lónsi	į
	Perform Specific Capacity Test		* *** ** *** ** ** ** ** **		· • • • • •	n i data di proprano	P. 4.45. 4 . P. 71 18.7, 04	3A 16-Sep-23A	and a second s	30-Apr-23	2	\$9,000,00		111			1.1.1.1	MiNom 12	Borehold 10	Barri of U	h
CON-1640 E	Uni Nort, 12" Barnhole to Base	of LMZ (100m	510 JP478 W 131 & 4.		··		16-Sep 3			01-4489-23	1	\$50,000,00					1111	intoim Spe	ane Cinoabity	ป้องมัก ปม	é,
CON-2250 / R	Ream Out Cement Plug & Clea	n Hole		and the		*** ke maaa ka	17-Sep-2			03-May-23	2	\$50,000,00					11106	MINUM 17	Borenda	Base of I	ź
	Seophysical Logging of BH	and a second or a first and an a special or	i ett i state bilgerje genja	······································		a A≣aransi taten ta	The second second second	3A . 23-Sep-23A			0	\$0.00						team Out	ement Plag	d Charles	ŗ
	niai 8.625" FRP to 1853	وصادوا والدمور والا			- ,,. .			3A 24-Sep-23A			1	\$0.00	11	111					Logging of L		1
		40000 0-100 0-100 0-100 		**** H			26-Sep-2	3 A 27-Sep-23 A	05-May-23	08-May-23	2	\$222,000,00						bsiat 6 62F	FitePite 85	[]	ł
1; 02- <i>j</i> un-22		Ramaining L	svel of Effort		Remain	ing Work	Water	Treatment Plan	A Star 7 Page		1011		- 42						a second s		<u>ب</u>
th: 20-Sept-Z		Actual Level		Million Consult		Remaining VV.,		al Improvements					1	ita.		<u> </u>			d By: MY		~
a Date: 23-Jul	-24 🖷	Actual Work		<u>ه</u>	e Milestor	-	(complex	or improvements Rev		neneanne		OUNCOL	Π.			20-10		levision	Chackac	I API	ß
				-	+	-	1	Pars			1	AR STORE AU		F		<	24 00	······································	MY	1	

						Full Scher	lule Layo	ut		And a second	ette a d'Alexandro constante e un data des	antionalization of antion to a contract of a	an analysing and a second second second	
cively 10	Activity Name	₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩	aagtalayte of yathanna waaraa ay ay ay	Dunison	Sleri	Finish	BL Project Start	BL Project Finish	BL Project Duration	Budgeled Talai Cost		2023	2024	20
CON-1670	Geophysical Logging (Pre-CE	£)	Constant and a second	1	28-Ser-23 Au	28-Sep-23 A	07.May.23	07-May-23	. 1	30.00	1 JAS CH	d a low low low	HOJFYAMJJ	AS GNDJF
	Cament 5.625 PRP From 16		· · · · · · · · · · · · · · · · · · ·			06-04-23 A		OP-May-23	··· ·· • ··	\$4.000.09			Baophysical Looging P	18-CIBL) ; ;
	Pressure That 6,625" FRP Tu		nin Brangergerin i de Honorrangi kanan d	····· • • •	00 00 23	109-00-23 A		11-May-28		\$0.00			Cement 6.525 FRP Fy	om 1863 to 160
	Geophysical Logging (CBL)	and the second come of the state of the second s		1	10 0d 23 A	10-00-23 A		12-118-23		\$40,000,00	4 6 9 6 9 6 9	· • • • • • • • • • • • • • • • • • • •	Provinie 26 al 6 6 26 F	
	Onvelop Wall & Collect Final		474-9-1 7-14 5 11 1 4 4 4 5 1 4 4 5 1 1 4 1 4 1 4	z -	11-Cid-23 A	12-00+23A	13-May-23	14-May-23	2	\$50,000,00	11111		Geophysical Logoing N Disvelop Well & Colleg	BL :
	Geophysical Logging (Video)			: 1	13-Oct-28 A	13-Oc-23 A	15-May-23	15-May 23	·····	\$40,000,00			Geophysics! Loggins (Minster Charles
CON-1730	Demobilize Drill Rig & Equipr	aani		ı 16	14-Och23 A	06-Nov-23 A	16-May-23	06.40.23	15	\$0.00			Demobilite Dil Rip	
High Serv	vice Pump Modificatio			1	16-585-73 A.	223-00-23A	23-tones2	(05-5)ar-2.)	5) (\$20,000,000				
CON-1740	Sisb On Grade Surface Prep			9	: 25-Jan-23 A	05-Feb-23A	22-Feb-23	23-Fab-23	2	\$0.00	1	Sibb On Grade Su	ece Prin	······
CON-1780	F/R/P 6ieb on Grade		· · · · · · · · · · · · · · · · · · ·	4	08-Feb-23 A	14-Feb-23A	24-Feb-23	28-Feb-23	3	10.6D		FRP Stab on Gra		
SUB-3000	Propan à Subnil Parial Out	Analysis and the second s	e, Babah -Kathat Mata wala da da da	11	18-Mar-23 A	28-Mar-23 A	33-Nov-22	18-Deo-22	14	\$0,00	11111	Prepara & Sub	nil Periol Outage Plan	
SU3-3010	Review & Approve Padlal Out	lege Plan	بومانو باللغ وتقاويوا فازدو دوبيا والدر ادراك الرا	1 23	128-Mar-23 A	20-Apr-23 A	·20-Dec-22	: 17-Feb-23	60	\$0,00		🏴 Review & App	tove Patrill Occage His	n
CON-1790 CON-1800	Isolale Pumpa 13 & 14			. و د اسمه به ماده ما ۱۰	24-Apr 23 A	04-May-23 A	1.	01-Mar-23	1	\$40,000,00		🕴 İsolaja Pum	p=13,4,14	
CON-1810	Replace Existing Above Grou Instal Permanent Pipes, Val-		and the first of the second		24-Apr-23 A	04-May-23 A		02-Mar-23		\$10,000,00		Replace Ex	iting Above Ground 18"	Flange W 18 Te
		es & Hange	and the second	44	24-Apr-23 A	23-10A-23 A	a second seco	08-Mar-23	. 2	\$40,000.00		i i i i i i i i i i i i i i i i i i i	ernanent Pipes, Varia	& Fittings
Electrical			ikang bagai m	<u> </u>	21-10-13 A	52-0124	22-04-9-22	1.3-0x3-1.3-	(10.00 2 96)	\$810,000,00				
CON-1750	Interior Conducts	an a	ward there a foldfack is because	20	AL	122-040-23 A	date manufactor to	19-8ep-22	20	1210,000.00			🔤 Interior Conduits	
CON-1050	Perform Duct Benk Work	بلية دوموسمير والعرابية مواسية بقوامية والجوامية والمواسية والمراجعة والمراجع	4 10-11-11-10-1-1-1-10-10-1-1-1-1-10-10-10	67	16-Jan-24 A	22-Man-24 A	Ander eite mit wird	02-Aug-23	40	\$10,000.00			Pedorn ?	Juct Bank Work
CON-1980	Mount Associated Control Pa		na an a	47	• •	05-Apr-24 A		08-Aug-23	5	\$120,000.00	111111		Mouh A	tiocialed Control
CONJOOD		ck, Pull Wire & New Light Pales	y dan bah dipang dipang dipang pinang sada dipang dipang dipang dipang dipang dipang dipang dipang dipang dipan	54 	19-Feb-24 A	12-A01-24 A		07-3:0-23	20	\$460,020,00			instat v	Ming, Instrumen
CON-2080 CON-2250	Terminating Entire Job SCADA/Programming	ينتها ومرجا فراجعهم ومطور والمحاصر فالمعاد فالمحافظ		15	15-Api-24 A	28-Apr-24 A		05-00-23	20	\$0,00			i Territo	aling Enline Job
	and the second			58	and where there are a s	17-Jul-24 A	fore forem contrasts where	j 25-Oct-23	20	\$0.00				SCADA/Picora
Injection				299	13-42-523.8.	24-5115-24-5	(2.288.2)	12.100	85	\$202,000,00				
SUB-3020 SUB-3030	Prepare & Submit Injection 1	the second second base of the second se	e ha brownskal os hilfra man ferienchaar yr e	4 	18-Apr-23 A	24-App23A	02-Het-23	; 21-Mar-23	14.	\$0.00	: : : : : : :	Prepare & St	iomit Injection Test Rivi	
CON-1760	Review & Approve Injection T Install Temporary Injection Te			169		09-Oci-23A	· · · · · · · · · · · · · · · · · · ·	20-May-23	50	\$0.00			Rovev & Approve Inco	clion Test Plan
CON-1770	Instal Test Pumos	a Piping		20	01 Dec 23 A	. 29-0eo 23 A	07-58-23	16-Jun-23		\$100,000.00			📕 install Temports	v İnjection Test P
CON-1620	Perform Short-Term Infection	The			101-Deo-23 A	28-Deo-23 A	07-Jun-23	118-Jun-23	1 8	\$10,000.00			🖛 Install Tost Puter	ps.
CON-1836	Remove Temporary Piping &			· · · · · · · · · · · ·	08-Jan-24 A	12-Jan-24 A	19-Jun-23	121-Jun-33		\$45,000,80			Putom Short-I	erin injection fes
CON-1840	Plug & Abandon of (4) pad N			- 51	12-Apr-24 A	24-Jun-24 A	27-Jun-23	27-Jun-23		\$15,000,00 \$32,000,00				oniny Plaing & Pu
Sec. S. Starre	Completion			1 11	2040-23 4	Concerning of the second second	25-301-20	13-03-73	• • • • • • • • • • • • • • • • • • •	\$32,050,60 51 311,000 (23				un a Abandon o
	Ads (W//DZMV/WBT)				15-120-247	<u>į</u> ,		-{						
	Coversis Ped Surace Preg					19.0p-24.A 19-100-24.A	26Jan 23 10-00-0	28-Acq-23 18-30193	43	\$455 900 00				
	Rough in Electric & Groundin		n i fan 1 as 1663 yn yr Yr pan raf y yr rag		· · · ·		13-44-23	109-Aug-23	20	1 \$6,000,00 \$310,000,00			Goachta Ped	
	FormyRettar Concrete Peds	a fa per sup a sur a r		. 16		(09-Feb-24 A	:00-Jul-23	119-00-23	1 20	\$140.000.00				chic & Grounder
	Pour Concrete Pad	manager at the all and that		1 45		15-Apr-24 A	10-Aug-23	23-40-23	10	\$25,000,00				Concrete Peda
	18Mp Forms	PROPERTY AND A RECEIPTING AND A CONTRACT OF A CONTRACT OF	randa (- auto antitud anno mut namado at,		16-Ap+24 A	18-A0-24 A	24-Aup-23	1		\$14,000,00			Svipi5	oncrete Pad
Mochanica	i & Pirzmbing			1 I I I	20.50.023.6	the second second second second second second second second second second second second second second second s	11524023	13-04-23		191000000000000000000000000000000000000			asipir	
	Install (W-1 Final Welhead			3		22-Nov-23 A	28-Aug-23	30-Aug-23	2	110.000.00		•••••••	Instalt W4t Final	
CON-1970	Insist DZMW-1 Final Welher	n na historia adalah karang karang karang karang karang karang karang karang karang karang karang karang karang Ala	ne y niidinga shaasa iy a yaas		27-Nov-23 A	D1-Dec-23 A	08-5-p-23	07-530-23	ייייייייייייייייייייייייייייייייייייי	\$60,000,00			Indiat DZNIWLE	
CON-2070	Install Fire Hydrent	and a set of the factor of the set of a set of a set of the set	na 1944 a 1945 - Soor Soortynows (Soo	5 .	27-Nov-23 A	01-Dec-23 A	06-04-23	10-Od-23	2	\$3,000,00			Install Fire Hydram	
	Insual/V-1 Sump Pump, Pip	a Theorem and a second se	анаанааны каларык жаларынданы каларыктанда каларыктандарык жаларыктандарык жаларыктанда тарыктандарык жаларыкта Т	10	:04-Mar 24 A	15-Mar-24 A	31-Aug-28	31-Aug-23	j 1	\$40,000.00				t Sump Pung, F
	the second second second			/10	104 Mar 34 A	15-Mar-24 A	;08-6ap-23	08-6ep-23	1	\$40,000,00				MW-1 Sump Pun
	Instal 4" x 8" Double-Contain		enter frædska starter og kombonen.		11 Mar 24 A	22-Mar-24 A	22-Sep-23	26-8ep-23	2	\$15,000,00	****			x 8" Dauble:Con
		ed HDPE from Brine Tank Sump to E		10	[11 Mor 24 A	22-141-24 A	-28-Sep-23	02-Oct-23] 2	\$25,000.00				x 3" Double-Cen
		DZMW Sumps to Existing Liti Station	1) 	10	11-Mar 24 A	22-Mar-24 A	03-04-23	105-0d-23	3	\$15,000.08				HDRE Plastrom
CON-2090	Install 2" We we Service to IW	DZMAWASING TAAK Pada	**************************************	10	, 11-Mer-24 A	, 22-Mar-24 A	11-0:423	13-Od-23	3	\$30,003,60				Water Solven jo
art: 02-Jun-2	, 1	manazione Remaining Level of Etion	diama Demain	ing Work	12	utition Plant	NA 9 ML					1	Discussion of the second	and the second second second second second second second second second second second second second second second
nish: 20-Sept	-	. Actual Level of Effort		Remaining VI.		umen ranı Sprovanènis -						Date	Prepared By: MY Revision Checke	
ata Date: 23-J		Actual Work	• • Mission		angu 201 11	nprovenienis Revi		seneralitie		TOUNGOU	IST	23-Jul-24 00	MY	d Approv
						Page 5			1	1. S. P. M. M. S. M. S.	and the second sec	The second second second second second second second second second second second second second second second s		1997 - 19

				Full Sche	anie Pako	out										
elwiry ID	Activity Name	Duration	Start	Pinlah	81, Project Start	BL Project Ficksh	BL Froject Dureikon	Budgelad Tolel Cost			2023		L	2024		2025
	Insial (W.) Pipes, Valves, Fitings & Surge Tank	1.5	18-Mar-24 A	05-Apr-24 A	31-Aug-23	05-9ep-23	3	\$220,000.00	<u> 1 J A S C</u>	าสาปม	V. IJ		9-11-14	ALLE	S (NDJ 1 Plans Valv	텐질
CON-2020	Install Weste Brite Tank Pumps Pipes, Valves, Fillings & Appurtenances	20	18-Mar-24 A	12-Ap-24 A	16-Sep-23		5	\$130,000,00	11111		· + • • • • •	┟┼┼┼	计标道		ale Envie Jak	
	Install DZMW-1 Pipes, Valves, Fitings & Appurienance	15	25-Ma1-24 A	12-Apr-14 A	08-Sep-23	12-800-23	ر ^{۲۰} ٬۳٬۳	\$60,000,00						Juntel D2	MW-1 Pipes,	Value
	Instal D24W41 Cantalugal Pump	15.	25 Mar 24 A	29-Mar 24 A	29-Aug-23	29-Aug-23	1 1 1	\$3,000.00							W-1 Control	
	Initial Work Bins Tank	5		01-Apr.24 A	18-Sop-23	14-Sep-23	{ 2	\$50,000,00							na Bin a Tari	
CON-2040	To-in 4" x 5" Double-Contained HDPE to Existing 4" x 5" Sine Line	20	02-Apr-24 A	29 Apr 24 A	26-Sep-23	28-940-23	3	\$15,000.00							x 6" Double	
	& Road Works	14. S. (10 April 4 A	19JuH24	16-0:123	14-140-23	21	\$201,600.00					TTT			
	The Redorator	; I	10 Apr 14 A	10 Ap=21 A	18-Od-23	20-0d-23	; š	\$70,000.00		111i			1114	Ires 200	omion	
CON-2170	Internal Concepts in Side Veria. Internal contraction in the second se			15-Apr-24 A	06-Nov-23		; 3,	\$20,000,00							narele Sidev	usik i
CON-2120	The state is the second which independent of the second se	1	and success in the second second second	22-Apr-24 A	23-04-29	24-06-23	; 2	\$5,000.00						in the Lot	abilized Sub	orada i
CON-2130	instal Linework Road Bess	4	22-Apt-24 A	25-Apr-24 A	25-00-23	25-Oct-23	1 2	\$5,000,00							nerocic Real	
	Instal Shelinok Road	10				127-04-23	1	\$20,000.00				IIII	TTTT		Shelito di Ro	ы I I
CON-2100	Final Ske Grading			17-Mey-24 A		20-Oct-23	6	\$0,00		:::::			1111		ite Grading	
CON-2150 CON-2160	Asphalt Mëng/Remove/Retop of Eduting Drive			15-May-24 A		130-04-23	{	\$5,000.00							t Milling/Ren	
CARE STATISTICS	- Instan New Approx	·····	15-May-24 A			02-Nov-23	3 <u>4</u>	\$10,000,00							NewAsphalt	
CON-2180	install Handraking	to be a set to set and the experiment	16-May-24 A		09-Nov-23		√เตอราต ตุม <mark>3</mark> . เ.	\$50,000,00							ng j	
alian and a second second		, 5	20-400-24 20-446-23 A	30-Aug-24		no con contra	1 3	\$15,000.00						1 1 4	isia8 Handra	i rig
Closeout		- 380 - 			- [Sherrare & Z		230	3897,200,00								
CE.O-1020	Leb analysis of Core Semples Propers & Submit As Butt Drawings	288	23-Ma+23A	The state of the state state			80	\$72,000.00		1111		nni	" Lób vài		le Samples	
CLO-1000	Prepare & Suberti Operations and Mainlenance data	129	19-jan-24 A	20-Juj-24 A	16-00-23	}02-Nov-23	1 14	\$0.00	1111						repare & Su	
	Complete Demobilization	40	28-Fab-24 A	02-May-24 A		02-Nov-23	<u></u>	10.00						President	& Submit O	osiaijo
CLO-1090	Review& Approve As Bull Drawings	: 00	29-Apr-24 A	23-Aug-24	20-Nov-23		60 21	\$763,200,00							fele Demobi	
CLO-1000	Review & Approve Operations and Meintenance data	97 	202-May-24 A		03-Nov-23		21	\$0,00						1 5 5 7 8	RUNAWEAD	
CLO-1040	The second second second second second second second second second second second second second second second se		17-Jul-24 A		15-Nov-23	an water date a fai		\$0.00							Review& Ap	
CLO-1030	"DZMW1 Start up 4 Theirig		17-Jul-24 A	22-JU-24 A	20-Nov-23			\$30,000.00 \$20,090.00	1						(W-1 Storrup	
CLO (010	'Wash Bine Statup & Testing		17-Jul-24 A	22-Jul-24 A	24-Nov-23		· · · · · · · · · · · · · · · · · · ·	\$20,000,00				1			DZMW-1 BU	
MIL 1030	Subularitial Completion	···· · · · · · · · · · · · · · · · · ·		22-Jul-24 A	1	28-Nov-23		\$0.00	1						Via alu Brina	
CLC-1080	Welchrough Anapeston		19-Aug-24	23-Aug-24	128-Nov-23			\$0.80	1 1 1 1 1					4 4 4 5 4	Subitential	
CLO-1110	Personnol Travelag	. 3	21 Aug-24	23 Aug 24	29-Nov-23		5	\$0.90							Ne kthroug Renonal Tr	
GLO-1070	Punchisi ("Comparison and the second se	56	123-Jui-24 A	16-Sept-24	06-Dec-23		31	50.00							Punchs	
CLO-IIM	Final Inspection / Final Completion	1 5	16-5401-24	20-8ept-24	123-Jan-24	w. Consideration and the	6 CHARLEN W 1775 199	\$0.00	·••••			44. H	· · · · · · ·		Final In	
n () mit sehent til er anfopse	бан (аналысын жылдан инин улураануулда). Элден күзүн (түрүүн) түрүк байта байтан инин улурарын улар жылар жыла	04	de fan is kâle a Statuat	a - con cogio sual	dis electronistications in	478-14-1 IN BOARD (A	4	a waa a sha dadha iyo dadha da a sa			in alaan		-	en construction	Lauge III	STREET, O
																1
																ļ
August 05 7 -		6 1					1							10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	internation and the state and	
Start: 02-Jun-2		- I		ealment Plant			·	A STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STREET STRE			Date	1 6-	Prepared Valon (
Finish: 20-Som		emeining W.,	Disposal I	improvenients Rev		schednie		WINCO	IIST	23	-Jui-24	00	69XIB	Chicker AY	Appr	oved
Data Date: 23-																

Kimley»Horn

June 15, 2023

Jie "Jane" House, P.E.LEED AP Director of Engineering Palm Beach County Water Utilities Department 8100 Forest Hill Blvd West Palm Beach, FL 33413

RE: Contract for Consulting/Professional Services Water Treatment Plant #2 Treatment and Disposal Improvements Project No. WUD 17-065 (R2018-1385) and 18-066 (R2022-1373)

Dear Ms. House,

I, Kevin Schanen, as Senior Vice President of Kimley-Horn and Associates, Inc., certify to Palm Beach County Water Utilities Department that the following individuals have authority to sign various design and/or engineering services during construction related documents, including but not limited to, payment applications, consultant invoices, all OEBO Schedule forms, contractor payment applications, contractor change order requests, project certifications and all similar documents necessary to perform our scope of services for the projects assigned under the above-referenced Contract for Consulting/Professional Services between Palm Beach County and Kimley-Horn and Associates, Inc.

1930 Wekiya Way Sulo 200, West Polm Seach, FL 93411

561,845,0565

Mark Miller, P.E. Kaitlin Townsend, P.E. Andrea Carpenter, P.E. Nick Black, P.E. Evan Ghidella, E.I.

Should you have any questions, please contact me at (561) 840-0820. Thank you.

Very truly yours,

kimley-how come

Kevin Schmen 6/21/2023 Kevin M: Schänen, P.E.

Senior Vice President

	<u>Cor</u>	tract	<u>Review Comm</u>	ittee	
Xc	hange Order		Suppleme	ents	Final Payment
	Vork Authoriz	ation			
WUD Project #: 18-066					
Name of Contract: Wat Deep Injection Well.	er Treatment Plar	nt No. 2	Treatment and Disp	osal Imp	rovements Design Package 2.
Contract Approval Date:	02/08/22				
Contractor/Consultant: Y	′oungquist Brothe	rs, LLC			
<u>CSA/WA #:</u> N/A			Supplement :	<u>#:_</u> N/A	
Change Order #: three (3	<u>3</u>)				
Notice To Proceed (NTP	<u>) Date:</u> 06/06/22				
<u>Contract Duration (Days)</u> 540 days to substantial c 30 days from substantial	ompletion	al	Substantia	I Comple	ation Date: 11/28/23
Total Change Order Day			Final Com	pletion D	<u>ate: 01/27/24</u>
		-			
Current Substantial Com	pletion Date: 7/22	/24			
Current Final Completion	<u>Date</u> : 9/20/24				
Contract Liquidated Dam 1,000 per day up to subs		1	Days:	N/A	
\$500 per day up to final o			Amount \$:	N/A	
Original SBE Participation	n Goal: 7.72%		Actual SBE Partici	ipation G	oal: 2.93%
Supplement # / Change # Change Order No 1	<u># Amount</u> \$9,405.83	Days 83	Approval Date 2/21/24	Appro- CRC	ved By
Change Order No 2	0	33	3/01/24	CRC	
Change Order No 3	0	118	pending	CRC	

Print Date 11/4/2024 5:12:15 AM

Page 1 of 1

Евух

Palm Beach County Compliance Summary Report

Vendor Number	Vendor Name	AM Best Rating	Insurance Carrier	Policy #	Eff. Date	Exp. Date	Coverage	Contract Number	Contract Name
DX00001921	Youngquist Brothers, LLC	Modified	Compliant					18-066R	Water Treatment Plant No. 2 Treatment and Disposal Improvements Design Package No. 2 - Deep Injection Welj
		Ag , XV	The Continental Insurance Company	BUA7040179892	11/1/2024	11/1/2025	Auto Liability		
		Ag , XV	The Continental Insurance Company	CUE7040179911	11/1/2024	11/1/2025	Excess Liability		
		Ag , XV	The Continental Insurance Company	GL7040179908	11/1/2024	11/1/2025	General Liability		
		A++ , XV	Safety National Casualty Corporation	SP4067437	11/1/2024	11/1/2025	Workers Comp		
Risk Profile :	Standard - Construction Servic	es							

Required Additional Insured : Palm Beach County Board of County Commissioners

Ownership Entity :



INTEROFFICE COMMUNICATION PALM BEACH COUNTY

BUDGET AVAILABILITY STATEMENT CHANGE ORDERS AND CONSULTANT SERVICES AUTHORIZATION

- DATE: November 19, 2024
- TO: Brenda Znachko, Director Contract Development and Control
- FROM: Guy Eggertsson, Fiscal Manager I Finance and Administration Water Utilities Department

In Eat

RE: Water Treatment Plant No.2 Treatment And Disposal Improvements Youngquist Brothers, L.L.C. WUD Project No. 18-066

Change Order No. 3

FISCAL IMPACT ANALYSIS:

Five Year Summary of Fiscal Impact:

	2025	2026	2027	2028	2029
Capital Expenditures	\$0.00				
Operating Costs			And the second se		
Days	118	· · · · · · · · · · · · · · · · · · ·			

Is Item included in current budget? Yes X No

Budget Account Number:

Fund	Department	Unit	Object	Program	Period	Allocation
4011	721	W002	6541			\$0.00

Recommended Sources of Funds/Summary of Fiscal Impact:

WUD User Fees.

d_rpt_bas_contract

ATTACHMENT NO. 3

AT	TACHMENT NO. 3
HOME (/GRANTS/S/) FRDAP 🗸 ORCP 🗸 HRR 🗸 TRAIL-GO 🗸	SMWWCO V CONTACT MANAGEMENT (/GRANTS/S/CONTACT-MANAGEMEN
EGR Application RAN-01080	+ Follow Run Evaluation New Note New Contact 🔻
DETAILS RELATED	
State Agency Florida Department of Environmental Protection	Anticipated Date of Application Close of 9/1/2024
State Program Resilient Florida	Primary Project Type Project Implementation
Disaster Number/Year 2024	Planning or Capacity/Capability Building
Critical Infrastructure confidential?	Project Implementation Flood Risk Reduction, Regional
Is project located in Coastal Zone? No	New Construction, Relocate, Demolition
SLIP Study Required? No	Retrofit
Local Project Phase Pre-construction (Design, Permitting, etc.)	Project Type Other/Misc. Description
Source of Match Local funds	DEP Application Manager <u>Eddy Bouza (/grants/s/detail/0035G00002BGPNpQAP)</u>
Funding Mechanism	
Estimated Project Duration 36 Months	
 Applicant Information 	
Grant Funding Type 🜑 Funding for Resilient Florida – Infrastructure Grants	Status 🗘 🖌 🖌 Submitted
Applicant Account () Palm Beach County Water Utilites (/grants/s/detail/0015G0000220A7SQAU)	Applicant Contact
Applicant Authorized Signee	Applicant Fiscal Agent
Ali Bayat (/grants/s/detail/003UW00000DrufhYAB)	Ebony Bruton (/grants/s/detail/0035G0000291j30QAC)
Regional Resilience Entity Account	Applicant Grant Manager
 Project Information 	Jane House (/grants/s/detail/0035G00003BahluQAJ)
RPG Project Type	Project Title Project Title Vestern Region Wastewater Treatment Facility (WRWWTF) Phase 2-Electrical
Entity Category 🕄	Building Resiliency Improvements Project Location
County, Municipality, or Authorized Special District Addressing Risks of Flooding or Sea Level Rise Identified in a Vulnerability Assessment	
Resilient Florida Grant Program Types Emergency Facilities:Wastewater Infrastructure	Project Geo Location Narrative Project is located in the city of Belle Glade, address is 2055 W Canal St S, Belle Glade, FL, 33430
List the City(ies)/ Town(s)/Village(s)	State Lands Lease Agreement No.
State Lands or State Parks Utilized 🚯 No	Project Geo Location 26.69496, -80.6894
Area Served) Palm Beach	Project Geo Location Metadata

Percent of Population

.....

Sponsor City/County

Palm Beach

Total Population	
Prior Vulnerability 0	
Prior Vulnerability Share	
Project Crítical Assets	
· · · · · · · · · · · · · · · · · · ·	

✓ General Information

Project Need

WRWWTF also called Belle Glade Plant is the sole critical facility treating wastewater for City of Belle Glade, City of South Bay and parts of unincorporated Palm Beach County. The facility was built in 1970s and is experiencing compound flooding, structure settlement and groundwater infiltration. The proposed project will build and elevate major electrical components to an elevation 19' and bury power lines underground to achieve abundant resiliency for plant operation and maintenance even during disasters and major storms. All new critical assets will be constructed on elevated concrete slabs to mitigate existing erosion and settlement. Please see the attached document "PBCWUD_WRWWTF_Scope" for details. Project Fit

The primary purpose of operating a wastewater treatment facility is to preserve the environment and protect the health of the community. Section 380.093 (2) (a)2., Florida Statutes, RESILIENT FLORIDA GRANT PROGRAM provides definitions of critical assets, which includes "Critical Infrastructure, including wastewater treatment facilities and lift stations..."

Further, 380.093(3)(b)., Florida Statutes, indicates that "Subject to appropriation, the department may provide grants to a...municipality to fund the cost of ... the development of projects...that allow communities to prepare for threats from flooding...; and projects to adapt critical assets to the effects of flooding..."

The electrical building resiliency improvement at WRWWTF, which is a critical asset-as defined by statute, will allow City of Belle Glade, City of South Bay and Paim Beach County to be prepared for threats from compound flooding and climate change. Elevating critical structures will provide resilient solution for years to extreme weather conditions such as hurricanes and major storms. It ensures that the plant will provide reliable wastewater treatment service during flooding events, hurricane season and even accidental power shortage scenarios.

Flood risk in VA Yes

Compound flood risk in VA Yes

Regionally significant asset Yes

Total Grant Match Amount \$0	
Total Grant Funding Amount Requested	
\$20,000,000	
Funding for Regional Resilience	1

Flood risk in VA explanation 🕕

This project will reduce risk of flooding to critical infrastructure by elevating critical assets, see the attached document " PBCWUD_WRWWTF_Tier 1 VA Risk" completed in August 2024 compliant to 380.093 FS. Page 4 Executive Summary states that this report is compliant with the state law (Section 380.093 Florida Statue), contributing to Florida's statewide data collection efforts and maintaining eligibility for infrastructure funding through the Resilient Florida. Page 6 identified specific assets vulnerable to flooding. This project "Western Region Wastewater Treatment Facility" is one of the assets. Page 78, this asset was mentioned again, and its risks were discussed. Page 82, this project facility is listed in section 6.4 "Critical Infrastructure" -Table 6-4.

Compound flood risk explanation 🕖

Yes, the project reduces risk of compound flooding. Please see the attachment document "PBCWUD_WRWWTF_Tier 1 Compound Flooding". The report analyzed the possible flooding risks related with project facility WRWWTF. This facility is vulnerable to compound flooding from three processes. One is from pluvial (rainfailinduced flooding), another one is from fluvial from possible dike breach from Lake Okeechobee and the last one is infiltration and inflow from high groundwater. Regionally significant asset explanation

Yes, the project reduces risk to a regionally significant asset. Per 380.093(2)(d), WRWWTF (also called Belle Glade Wastewater Treatment Plant) is a critical regional utilities asset for Western Palm Beach County area. It services the needs of wastewater treatment from the whole City of Belle Glade, City of South Bay and parts of unincorporated Palm Beach County. WRWWTF is a critical regional utility that supports the daily needs of 3 communities (City of Belle Glade, City of South Bay and Palm Beach County) spanning multiple geopolitical jurisdictions in Western Palm Beach County. Completion of this project will enhance the wastewater treatment services to be provided throughout the region during major storms and flooding events. Existing flood mitigation project

restoration and revegetation

Yes, by incorporating BOTH new or enhanced structure AND natural system

Percent	CA vulnerable	explanation
---------	---------------	-------------

WRWWTF is the ONLY wastewater treatment plant serving daily sewer needs of City of Belle Glade, City of South Bay and parts of unincorporated Palm Beach County, Under a scenario where there is a problem/failure at WRWWTF and the wastewater cannot be properly transported or treated, a total of 56 critical assets in the project impact area (100%) will be vulnerable to sewer flooding induced by rainfall events. Here is the list of critical assets in the project impact area: 16 lift stations, 2 local government buildings (Belle Glade City Hall and South Bay City Hall), 18 schools and childcare centers (Belle Glade Elementary and etc.), 1 library (Belle Glade Library), 1 Medical Facility (Belle Glade Dialysis Center), 1 fire station (Palm Beach County Fire Station #73), 1 wastewater treatment plant (WRWWTF), 6 mobile homes, 2 public low income housing, 1 assisted living, 1 local law enforcement, 6 shelters. See the attached document "PBCWUD_WRWWTF_Tier 1 Percentage of Critical Assets".

Existing flood mitigation project expln

PBCWUD has been implementing flood mitigation projects in WRWWTF such as plant hardening, inflow and infiltration study, operation building replacement and etc. This project is phase 2, after phase 1 operation building replacement, is to continue improving wastewater treatment plant layout to reduce potential upland damage cost (loss of power, asset damage and public health issue) from rising floodwaters. The proposed project will contribute to this regional resiliency effort. New and enhance structures: This project will have new elevated electrical building, new elevated stormproof generator and underground powerlines. Restoration and Revegetation: Revegetation will occur at disturbed areas with native vegetation. The existing electrical/admin building will be demolished, and a rain garden will be built there to restore the natural system to absorb stormwater runoff. Front retention pond will also be restored with native plants. Bioswales will be installed.

Flood frequency explanation

Project impact areas are City of Belle Glade and City of South Bay, City of Belle Glade has flooded more than 3 times in the last 5 years. Please see the attached documentation "PBCWUD_WRWWTF_Tier 2 Flooding frequency". In the past 5 year (2019-2024), flooding evidence from 2020, 2021 and 2023 flooding survey (multiple floodings in last 3 years) were attached. All documents were provided by City of Belle Glade Public Work Department, 2017 Hurricane Irma flooded City of Belie Glade and its flooding photo was obtained from local news "The Daily Signal".

Flood severity explanation 🕕

Project impact areas City of Belle Glade and City of South Bay have experienced flooding greater than 3 inches in the last three years.

Project design status explanation

Please see the attached document "PBCWUD WRWWTF Tier 2 Design Status_Geotechnical and Survey Reports", Both geotechnical and survey reports for the site WRWWTF were completed in March 2024.

Permit & easement status explanation FDEP Permit (Minor modification) City of Belle Glade Building Permit

Local cost share available explanation

The project is located in the City of Belle Glade and assists daily wastewater treatment needs for both City of Belle Glade and City of South Bay. Belle Glade and South Bay are both financially disadvantaged small communities as defined in 380.093 (5) (e) FS. Please see the attached documents regarding local funding. City of South Bay: The most recent April 1 population estimate shows City of South Bay has 4,958 people, which is lower than the threshold 10,000 set in the FS. For per capita annual income, South Bay has \$9,350 and state of Florida has \$38,850. For per capita annual income, South Bay is lower than state as required in the FS. City of Belle Glade: Per capita annual income is \$20,588, about 53% of the state's per capita annual income. It is less than 75% as required in the FS.

Habitat enhancement or NBS explanation

This project will aquascape the front retention pond using native plants, Insect larvae, snails and freshwater shrimp thrive in plant beds which make them havens for wildlife and birds such as sandhill cranes, anhinga, little blue heron, roseate spoonbill, kingfisher and much more. The existing admin building will be demolished, and a new rain garden will be built there to capture rainwater runoff. In addition, bioswales will be used to increase drainage efficiency. All these nature-based solutions will increase stormwater storage during severe rainfall events, improve water quality by absorbing nutrients and pollutants and they also enhance our environmental natural habitat for wildlife, birds, insects, fish, turtle and many more. Critical habitat explanation

Flood frequency Has been flooded at least 3 times in the last 5 years or is experiencing ongoing erosion Current flood severity Flooding greater than 3 inches in last 3 years or has ever experienced unmitigated erosion Project design status Partially designed or site-specific environmental or geotechnical reports have been completed Permit & easement status Necessary permits and easements have been identified No easement is required. Local cost share available Yes Habitat enhancement or NBS Yes Critical habitat No

Cost effective explanation

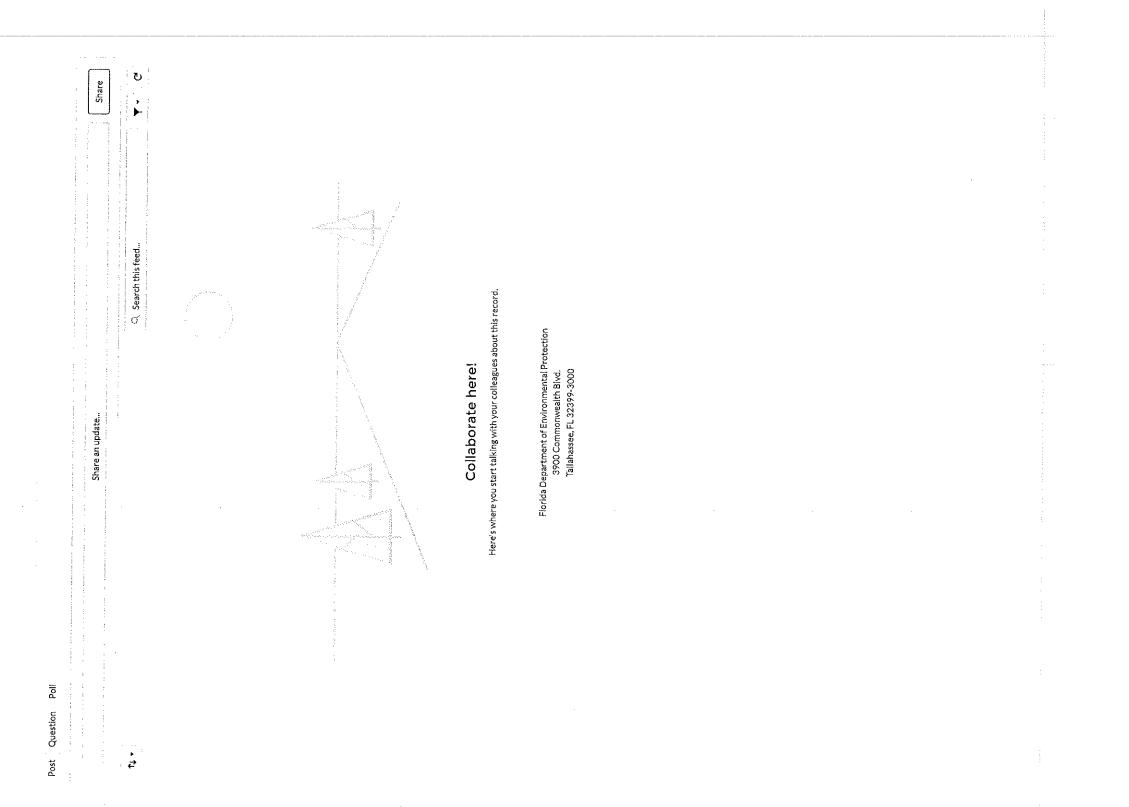
Please see the attachment document "PBCWUD_WRWWTF_Tier 2 Cost Effectiveness Analysis". Two alternatives were analyzed. Alternative 1 "Do Nothing" will have a potential \$193M damage assuming only 1 failure in the plant's expected life span. The consequence of "Do Nothing" is almost 10 times of this project cost. Alternative 2 is to interconnect North (WRNWWTF) and South (WRWWTF). This alternative can achieve the same flood protection proposed by this project however it was rejected because of its extremely high price at 142.5M. The proposed project is the most-cost-effective option to achieve maximum flood resiliency.

Cost share available	Cost share available explanation
The project is in a financially disadvantaged small community and cost share is not required	
Previous state funding	Previous state funding explanation ()
Construction (previous phases)	Please see the attached "PBCWUD_WRWWTF_Tier 3 previous state funding_22FRP71". Award Agency: Resilient Florida Program by FDEP. Agreement # 22FRP71. Agreement execution date: 03/13/2023. The awarded funding is to implement construction for WRWWTF Phase 1-Operation Building Replacement. WRWWTF resiliency improvement program is to improve and elevate critical assets inside the plant to achieve maximum flood resistance. Phase 1-Operation Building, Phase 2-Electrical Building.
Exceeds FBC/local floodplain regs	Exceeds FBC/local floodplain regs expln
Yes	The design will exceed both Florida Building Code flood-resistant requirements and local floodplain management regulations. Please see the attached document "PBCWUD_WRWWTF_Tier 3 Design Above Code".
Innovative tech	Innovative tech explanation ()
Yes	Please see attached document "PBCWUD_WRWWTF_Tier 4 Innovative Technology". This project will consider using cutting-edge technology to reduce cost and provide regional collaboration.
Community financially disadvantaged	Comm financially disadvantaged expln
Yes	The project impact area is City of Belle Glade and City of South Bay. City of South Bay is a financially disadvantaged small community as defined in 380.093(5)(e), FS. The most recent April 1 population estimate shows City of South Bay has 4,958 people, which is lower than the threshold 10,000 set in the FS. For per capita annual income, South Bay has \$9,350 and state of Florida has \$38,850. For per capita annual income, South Bay has \$9,350 and state as required in the FS. Additionally, the median income for City of Belle Glade is \$ 42,314 and 32.5% people are living below the poverty line. Belle Glade is at disadvantage when compared to the state of Florida where the median household income is \$67,917 and 12.7% people living below the poverty line. In addition, Belle Glade and South Bay are defined rural area of opportunity which has been adversely affected by extraordinary economic events or natural disasters. Please see the attached document starting with "PBCWUD_WRWWTF_Tier 4".
GI Benefit Spring No	Gi Benefit Spring Explanation
GI Protect Water Sources	GI Protect Water Sources Explanation
No	of Protect Water Sources Explanation
and the second second second second second second second second second second second second second second secon	remain and an end of the second second second second second second second second second second second second se
GI Facilities Waste Treatment Yes	 GI Facilities Waste Treatment Explanatio This project is a wastewater treatment plant upgrade project. The major project components include: 1) a new emergency generator on elevated pad of elevation 19'2) a new electrical building -finished floor elevation 19' and with new switchgear and motor control centers; 3) a restored rain garden on demolished admin building site;
	4) buried underground power line and 5) various storm water improvements such as bio-swales, retention pond using native plants, vegetated berms and large canopy trees to reduce rainwater runoff.
GI Convert Septic To Sewer No	GI Convert Septic To Sewer Explanation
GI Green Stormwater Infrastructure	Gi Green Stormwater Infrastrure Expl
Yes	This project will include rain garden, dry retention pond with native plants, bioswales and vegetated berry.
GI Applied Other Programs No	Gl Applied Other Programs Explanation
GI Community Population	· · · · · · · · · · · · · · · · · · ·

GI Critical Assets Served

Amount of Funds Awarded

GI Critical Assets Served Explanation 🖲	, P	Amount of Funds Requested 🚯	j.
Permitting FDEP Permit (Minor modification of wastewater treatment plant) City of Belle Glade Building Permit		Lands, Easements, Rights of Way All project construction will be constructed in the plant, owned by PBCWUD.	
Project Follow Up		Metric Assigned O Square feet of building protected	
Statewide Flooding and Sea Level Rise		Metric Value	
		Metric Value Units Square Feet	
✓ Additional Funding			
Additional Function Applicant Entity (<u>https://fdep.my.site.com/grants/)</u>		Additional Funding Current Grant Number (<u>https://fdep.my.site.com/grants/)</u>	
Additional Funding Current Grant	<i></i>	Additional Funding Request	
Additional Match Secured	 	Additional Funding Request Justification	
✓ Project Work Plan			
Project Summary This project is a wastewater treatment plant upgrade project. The major project components include: 1) a new emergency generator on elevated pad of elevation 19'; 2) a new electrical building -finished floor elevation 19' and with new switchgear and motor control centers; 3) a restored rain garden on demolished admin building site; 4) buried underground power line and 5) various storm water improvements such as bio-swales, retention pond using native plants, vegetated berms and large canopy trees to reduce rainwater runoff.	, 4 '	Project Description WRWWTF was built in 1973 and it is the only wastewater treatment plant serving City of Belle Glade, and City of South Bay. To address the ongoing compound flooding from sewer floods, rainfall and infiltration/inflow from groundwater, this plant needs significant improvements to maintain reliable service and allow the facility to remain open and run in full capacity during major storm events. The proposed project will install elevated new structures, implement innovative technology and use nature-based solution to ensure this resiliency goal is achieved.	
✓ Project Need and Benefit			
Project Feasability		Project Vulnerability	
		Vulnerability Assessment include State	
∽ Budget			
Budget Narrative ()		Work Performed by	
Indirect Percent			
∨ Signature			
Authorized Signers Signature Ali Bayat	1		
Certification Agreement			
✓ System Information			
Created By Oreated By Iane House (/grants/s/profile/0055G00000BCTr3QAH), 6/27/2024 10:25 AM		Preparer Type 🚯 Applicant	
Last Modified By Jane House (/grants/s/profile/0055G00000BCTr3QAH), 8/29/2024 2:44 PM		Preparer Account Preparer Account Palm Beach County Water Utilites (/grants/s/detail/0015G0000220A7SQAU)	/
Owner Owner Iane House (/grants/s/profile/0055G00000BCTr3QAH)	£	Preparer Contact Jane House (/grants/s/detail/0035G00003BahLuQAJ)	
EGR Application Name RAN-01080		Preparer User Preparer User	



ATTACHMENT NO. 4

HOME (/GRANTS/S/) FRDAP V ORCP V HRR V TRAIL-GO V SMWWCO V CONTACT MANAGEMENT (/GRANTS/S/CONTACT-MANAGEMENT)

EGR Application RAN-01078

+ Follow Run Evaluation New Note New Contact 👻

DETAILS RELATED

Hist Program Privacy Project Type Hist Pitrate Type Project Implementation Matter Number Year Project Implementation Mark Reduction, Regional Project Implementation Syndict Number Year Project Type Other/Misc Description Social Project Type Other/Misc Description Project Type Other/Misc Description Social Control Control Project Type Other/Misc Description Social Control Statistical Account Year History Account Project Type Other/Misc Description Social Control Statistical Account Year History Account Project Type Other/Misc Description Social Contr	tate Agency lorida Department of Environmental Protection	Anticipated Date of Application Close of 9/1/2024
Balanter Number/Year 224 024 Preview C-gelechy(Cipability Dualicity Dualici		Primary Project Type
Nature Number/Var Planning or Capacity/Capacity Sutiding 0224 Project Implementation 0224 Project Implementation 0255 Project Implementation 0266 Project Implementation 036 Project Implementation 036 Project Implementation 036 Project Implementation 037 Project Type Other/Nac. Description 038 Project Type Other/Nac. Description 037 Project Type Other/Nac. Description 038 Project Type Other/Nac. Description 038 Project Type Other/Nac. Description 039 Project Type Other/Nac. Description 040 Project Type Other/Nac. Description 0419 Project Type Other/Nac. Description 0419 Project Type Other/Nac. Description 0429 Project Type Other/Nac. Description 0429 Project Type Other/Nac. Description 0430 Project Type Other/Nac. Description 0431 Project Type Other/Nac. Description <td></td> <td>Project Implementation</td>		Project Implementation
ritical linfrastructure centidential (E = Project Indementation Regional Project Type Other/Misc Education Regional Project Type Other/Misc Education Regional Project Type Other/Misc Description Project Type Other Utilized Project Type Other Utilized District Addressing Risks of Flooring Project Type Other Utilized District Addressing Risks of Flooring Project Type Other Utilized District Addressing Risks of Flooring Project Type Other District Addressing Risks of Flooring Project Type Other District Addressing Risks of Flooring Project Type Other District Addressing Risks of Flooring Project Type O	isaster Number/Year	
Status Flood Rak Reduction, Regional Surgitations Constail Zone? New Construction, Regional New Construction, Reducts, Demotion Resoft It if Stady Require? Resoft io Project Type Other/Misc, Description Construction DEP Application Manager Second Watch Second Watch Second Watch DEP Application Manager Second Watch Second Watch Second Watch DEP Application Manager Second Watch Second Watch Second Watch Watch Utilities Jenation Second Watch Second Resilient Rowing Construction Signed O Resolution Kenner O Name Maxel (March Mathed Watch Watc	ritical infrastructure confidential?	in the second second second second second second second second second second second second second second second
project located in Coastal Zone? New Costruction, Relocate, Damohiton io Retroft io Project Type Other/Misc Description coal Project Type Other/Misc Description DEP Application Manager cater and Addition of the Construction DEP Application Manager cater and the standard of the Construction	-	
LP Study Required? Is and Project Prace Second: Second		New Construction, Relocate, Demolition
call Project Phase cristriction Project Type Other/Mile: Description urder of Match dectail funds DEP Application Manager Edd/u Bourse (Match dectail funds Edd/u Bourse (Match dectail Contast) ording Mechanism O dectail funds Edd/u Bourse (Match dectail Contast) / Applicant Information Satus O Submitted / applicant Information Satus O Submitted / applicant function Satus O Submitted // applicant function Satus O Submitted / applicant function Signee O Submitted Project Information / Project Information Project Titis O WentWorkfortal/20035G000028/BibluOA/I Jane House (statis/distal/20035G000028/BibluOA/I) / Project Information Project Titis O WentWorkfortal/20035G000028/BibluOA/I Jane House (statis/distal/20035G000028/BibluOA/I) / Project Information Project Titis O WentWorkfortal/20035G00003/BibluOA/I / Project Information Project Titis O WentWorkfortal/20035G00003/BibluOA/I / Project Information Project Information	LIP Study Required?	Retrofit
Burke of Match DEP Application Manager Federal Grants as match Eddx Bourza (krants/s/detail/0035G00002BGPN:00AP) Inding Mechanism O Federal Grants as match Istimated Project Duration Status O ISM Applicant Information Status O Status O Status O St	ocal Project Phase	Project Type Other/Misc. Description
iederal funds Eddy Bauza (krants/detail/0035G000028GPhc0AP) varling wichsnism 0	ource of Match	and the second second second second second second second second second second second second second second second
unding Mechanism 0 ide rail Grant as match istimated Project Duration Moments Moments Status 0 Status 1 Status 1 Status 1 Status 1 Status 1		
stimated Project Duration O Months Applicant Information irant Funding Type① unding for Resilient Florida - Infrastructure Grants pplicant Account① Applicant Resilient Florida - Infrastructure Grants pplicant Account① Applicant Contact① Applicant Contact Appl		
Applicant Information irant Funding TypeQ irant Fundig TypeQ irant Funding TypeQ irant Funding TypeQ irant F	stimated Project Duration 10 Months	·
unding for Resilient Florida – Infrastructure Grants Submitted applicant Account() Applicant Contact() Jaim Beach County Water Utilities //grants/s/detail/0015G0000220A7SOAU) Applicant Contact() Applicant Kathorized Signee() Applicant Contact() Nil Bavat //grants/s/detail/0031W00000DrufhYAB) Ethony Bruton //grants/s/detail/0035G000029/j300AC) iegional Resilience Entity Account() Applicant Grant Manager() Jane House //grants/s/detail/0035G000029/j300AC) Jane House //grants/s/detail/0035G000029/j300AC) /* Project Information Project Trile() Project Type() Project Trile() Outhy, Municipality, or Authorized Special District Addressing Risks of Flooding or ea Level Rise Identified in a Vuinerzbility Assessment tesillent Floride Grant Program Types() imargency Facilities:Wastewater Infrastructure Project Is located in the City of Pahokee, address is 1001 Rim Canal Rd, Pahokee, FL, 33476 state Lands or State Parks Utilized() Project Geo Location() New Served() Project Geo Location Metadata() Yees Served() Project Geo Location Metadata()		
applicant Account() Applicant Contact() Paim Beach County, Water Utilites //grants/s/detail/0015G0000220A7SQAU) Applicant Contact() poplicant Authorized Signee() Applicant Fiscal Agent() NI Bayat //grants/s/detail/0035G000029/IJ300AC) Applicant Fiscal Agent() Very Count() Applicant Contact() V Bayat //grants/s/detail/0035G000029/IJ300AC) Applicant Contact() V Project Information Project Title() VPG Project Type() Project Title() VWRNWVTF (Western Region North Wastewater Treatment Facility) Electrical & Wet Weather Improvements Project Cool () Project Election() Project Geo Location () Southy, Municipality, or Authorized Special District Addressing Risks of Flooding or elevel Rise Identified in a Vulnerability Assessment Project Geo Location Narrative() Immegency Facilities Wastewater Infrastructure Project Geo Location Narrative() Sitte Citylies/ Town(s)/Village(s)() State Lands Lease Agreement No.() Sitte Lands tease Agreement No.() 26.80098, -80.67413 wree Served() Project Geo Location Metadata()		
All Bayat (/grants/s/detail/003UW00000DrufhYAB) Ebonv Bruton (/grants/s/detail/0035G0000291/300AC) Regional Resilience Entity Account () Jane House (/grants/s/detail/0035G000028ahLuOAJ) Project Information Project Title() RPG Project Type() Project Title() WRNWWTF (Western Region North Wastewater Treatment Facility) Electrical & Wet Weather Improvements Project Information Project Title() Regional Resilience Entity Account () Project Title() WRNWWTF (Western Region North Wastewater Treatment Facility) Electrical & Wet Weather Improvements Project Is location () Project Cool Location () County, Municipality, or Authorized Special District Addressing Risks of Flooding or () Project Geo Location () Emergency Facilities: Wastewater Infrastructure Project Geo Location Narrative() Project Is located in the City of Pahokee, address is 1001 RIm Canal Rd, Pahokee, FL, 33476 State Lands Lands Lase Agreement No.() State Lands or State Parks Utilized () Project Geo Location () Project Geo Location () No 26.80098, -80.67413 Project Geo Location Metadata() Project Geo Location Metadata()		
Regional Resilience Entity Account () Applicant Grant Manager () Jane House (/grants/s/detail/0035 GC00003BahLuQAJ) Jane House (/grants/s/detail/0035 GC00003BahLuQAJ) > Project Information Project Title () RPG Project Type () Project Title () WRNWWTF (Western Region North Wastewater Treatment Facility) Electrical & Wet Weather Improvements Project Location () Project Location () County, Municipality, or Authorized Special District Addressing Risks of Flooding or set Level Rise Identified in a Vulnerability Assessment Project Geo Location Narrative () Peroject Field Grant Program Types () Project is located in the City of Pahokee, address is 1001 Rim Canal Rd, Pahokee, FL, 33476 State Lands or State Parks Utilized () Project Geo Location () No 26.80098, -80.67413 Project Geo Location Metadata () Project Geo Location Metadata ()	splicant Authorized Signee 🗊	Applicant Fiscal Agent
Jane House (/grants/s/detail/0035G00003BahLuQA.j) Project Information IPG Project Type① Project Title① WRNWWTF (Western Region North Wastewater Treatment Facility) Electrical & Wet Weather Improvements Initity Category① County, Municipality, or Authorized Special District Addressing Risks of Flooding or ea Level Rise Identified in a Vulnerability Assessment testillent Florida Grant Program Types① Project Geo Location Narrative① Project Sillties;Wastewater Infrastructure State Lands or State Parks Utilized① iso 26.80098, -80.67413 vera Served①	<u>li Bayat (/grants/s/detail/003UW00000DrufhYAB)</u>	Ebony Bruton (/grants/s/detail/0035G0000291j30QAC)
 Project Information Project Type① Project Title① WRNWWTF (Western Region North Wastewater Treatment Facility) Electrical & Wet Weather Improvements Project Location① County, Municipality, or Authorized Special District Addressing Risks of Flooding or iea Level Rise Identified in a Vulnerability Assessment Level Rise Identified in a Vulnerability Assessment Resellent Florida Grant Program Type① Project Geo Location Narrative① Project Is located in the City of Pahokee, address is 1001 Rim Canal Rd, Pahokee, FL, 33476 State Lands Lease Agreement No.① Lity of Pahokee Project Geo Location① 26.80098, -80.67413 Project Geo Location Metadata① 	legional Resilience Entity Account ()	Applicant Grant Manager
RPG Project Type Project Title WRNWWTF (Western Region North Wastewater Treatment Facility) Electrical & Wet Weather Improvements Project Location initiy Category Project Title County, Municipality, or Authorized Special District Addressing Risks of Flooding or ise Level Rise Identified in a Vulnerability Assessment Project Location tesillent Florida Grant Program Types Project Geo Location Narrative imergency Facilities; Wastewater Infrastructure Project is located in the City of Pahokee, address is 1001 Rim Canal Rd, Pahokee, FL, 33476 State Lands or State Parks Utilized Project Geo Location No 26.80098, -80.67413 Newa Served Project Geo Location Metadata		Jane House (/grants/s/detail/0035G00003BahLuQAJ)
WRNWWTF (Western Region North Wastewater Treatment Facility) Electrical & Wet Weather Improvements Project Location • County, Municipality, or Authorized Special District Addressing Risks of Flooding or iea Level Rise Identified in a Vulnerability Assessment tesillent Florida Grant Program Types • imergency Facilities;Wastewater Infrastructure Project is located in the City of Pahokee, address is 1001 Rim Canal Rd, Pahokee, FL, 33476 sist the City(ies)/ Town(s)/Village(s) • City of Pahokee vitate Lands or State Parks Utilized • vio 26.80098 ,-80.67413 Project Geo Location Metadata •	 Project Information 	
Initiv Category ① Wet Weather Improvements Project Location ① Project Location ① County, Municipality, or Authorized Special District Addressing Risks of Flooding or Sea Level Rise Identified in a Vulnerability Assessment Project Geo Location Narrative ① Resillent Florida Grant Program Types ① Project Geo Location Narrative ① Emergency Facilities; Wastewater Infrastructure Project is located in the City of Pahokee, address is 1001 Rim Canal Rd, Pahokee, FL, 33476 List the City(ies)/ Town(s)/Viilage(s) ① State Lands Lease Agreement No. ① City of Pahokee Project Geo Location ① No 26.80098, -80.67413 Area Served ① Project Geo Location Metadata ①	PG Project Type	· •
inity Category ① Project Location ① Project Location ① Project Location ① Project Location ① Project Geo Location Metadata ① Project Geo Location D Project Geo Location D Project Geo Location D Project Geo Location D Project Geo Location D Project Geo Location D Project Geo Location D Project Geo Location ① Project Geo Location ① Project Geo Location ① Project Geo Location ① Project Geo Location ① Project Geo Location ① Project Geo Location ① Project Geo Location ① Project Geo		
County, Municipality, or Authorized Special District Addressing Risks of Flooding or isea Level Rise Identified in a Vulnerability Assessment Project Geo Location Narrative Resilient Florida Grant Program Types Project Geo Location Narrative Emergency Facilities;Wastewater Infrastructure Project Geo Location Narrative Ist the City(ies)/Town(s)/Village(s) State Lands Lease Agreement No. City of Pahokee Project Geo Location ist the City(ies)/Town(s)/Village(s) Project Geo Location Via or State Parks Utilized Project Geo Location No 26.80098, -80.67413 Project Geo Location Metadata Project Geo Location Metadata	intity Category	and the second second second second second second second second second second second second second second second
tesillient Florida Grant Program Types Project Geo Location Narrative imergency Facilities;Wastewater Infrastructure Project Geo Location Narrative ist the City(ies)/Town(s)/Village(s) State Lands Lease Agreement No. City of Pahokee Project Geo Location ist the City(ies) Project Geo Location ist the City(ies)/Town(s)/Village(s) State Lands Lease Agreement No. City of Pahokee Project Geo Location ist the City(ies) Project Geo Location ist the City(ies) Project Geo Location ist the City(ies) Project Geo Location ist the City(ies) Project Geo Location ist the City(ies) Project Geo Location ist the City(ies) Project Geo Location ist the City of Pahokee Project Geo Location	County, Municipality, or Authorized Special District Addressing Risks of Flooding or iea Level Rise Identified in a Vulnerability Assessment	
33476 List the City(ies)/Town(s)/Village(s) State Lands Lease Agreement No. City of Pahokee State Lands or State Parks Utilized No No Area Served Project Geo Location Metadata Project Geo Location Metadata	the second second second second second second second second second second second second second second second se	
ist the City(ies)/Town(s)/Viilage(s) State Lands Lease Agreement No. City of Pahokee itate Lands or State Parks Utilized Project Geo Location io 26.80098, -80.67413 vrea Served Project Geo Location Metadata Palm Beach		33476
tate Lands or State Parks Utilized Project Geo Location io 26.80098, -80.67413 vrea Served Project Geo Location Metadata 'alm Beach	ist the City(ies)/ Town(s)/Village(s) 🕕	State Lands Lease Agreement No.
Area Served () Project Geo Location Metadata () Palm Beach	-	Project Geo Location
en en en en en en en en en en en en en e	trea Served 🗊	Project Geo Location Metadata
		<i>•</i>

Palm Beach

Total Population	 	se station
Prior Vulnerability	 	
Prior Vulnerability Share		· · · · ·
Project Critical Assets		

General Information

Project Need 🕕

WRNWWTF also called Pahokee Plant is the sole critical facility treating wastewater for City of Pahokee and Canal Point, parts of unincorporated Palm Beach County. The facility was built in 1940s and is experiencing compound flooding, unmitigated severe erosion, groundwater infiltration and continuous structure settlement. The proposed project will build and elevate major critical electrical components to an elevation 15', 3 ft above 100-year flooding elevation and bury utility lines underground to achieve abundant resiliency for plant operation and maintenance even during disasters and major storms. All new critical assets will be constructed on concrete piles to mitigate existing erosion and settlement. Please see the attached document "PBCWUD_WRNWWTF_0.0_Scope" for details.

Project Fit

The primary purpose of operating a wastewater treatment facility is to preserve the environment and protect the health of the community. Section 380.093 (2) (a)2., Florida Statues, RESILIENT FLORIDA GRANT PROGRAM provides definitions of critical assets, which includes "Critical Infrastructure, including wastewater treatment facilities and lift stations..."

Further, 380.093(3)(b)., Florida Statues, indicates that "Subject to appropriation, the department may provide grants to a...municipality to fund the cost of ... the development of projects...that allow communities to prepare for threats from flooding...; and projects to adapt critical assets to the effects of flooding..." The wet weather improvements of WRNWWTF, which is a critical asset-as defined by statue, will allow both City of Pahokee and Palm Beach County to be prepared for threats from compound flooding and climate change. Elevating critical structures will provide resilient solution for years to extreme weather conditions such as hurricanes and major storms. It ensures that the plant will provide reliable wastewater treatment service during flooding events, hurricane season and even accidental power shortage scenarios.

Flood risk in VA Yes

Compour	flood risk in VA	
Compourn	TIOOD FISK IN VA	

Regionally significant asset Yes

	£	
Total Grant Match Amount		
\$2,700,000	×.	
Total Grant Funding Amount Requested \$7,000,000		
Prior Vulnerability Entities	*	
Funding for Regional Resilience	ľ	
	×	

Flood risk in VA explanation 🕕

This project will reduce risk of flooding to critical infrastructure by elevating critical assets, see the attached document "PBCWUD_WRNWWTF_Tier 1 VA Risk" completed in August 2024 compliant to 380.093 FS. Page 4 Executive Summary states that this report is compliant with the state law (Section 380.093 Florida Statute), contributing to Florida's statewide data collection efforts and maintaining eligibility for infrastructure funding through the Resilient Florida. Page 6 identified specific assets vulnerable to flooding. This project "Western Region North Wastewater Treatment Facility" is one of the assets. Page 78, this asset was mentioned again, and its risks were discussed. Page 82, this project facility is listed in section 6.4 "Critical infrastructure"-Table 6-4.

Yes, the project reduces risk of compound flooding. Please see the attached document "PBCWUD_WRNWWTF_Tier 1 Compound Flooding". The report analyzed the possible flooding risks related with project facility WRNWWTF. This facility is vulnerable to compound flooding from three processes. One is from pluvial (rainfall-induced flooding), another one is from fluvial from possible dike breach from Lake Okeechobee and the last one is infiltration and inflow from high groundwater.

Regionally significant asset explanation

Yes, the project reduces risk to a regionally significant asset. Per 380.093(2)(d), WRNWWTF (also called Pahokee Wastewater Treatment plant) is a critical regional utilities asset for Western Palm Beach County area. It services the needs of wastewater treatment from the whole City of Pahokee area and Canal Point, parts of unincorporated Palm Beach County. WRNWWTF is a critical regional utility that supports the daily needs of 2 communities (City of Pahokee and Canal Point) spanning multiple geopolitical jurisdictions in Western Palm Beach County. Completion of this project will enhance the wastewater treatment services to be provided throughout the region during major storms and flooding events. Ê

xisting flood mitigation pr	oject

Yes, by incorporating BOTH new or enhanced structure AND natural system restoration and revegetation

Flood frequency

Has been flooded at least 3 times in the last 5 years or is experiencing ongoing erosion

Current flood severity

Flooded greater than one foot within the last 5 years, flooded between 3 inches and 1 foot in the current year and in each of the last 3 years, has been flooded for at least 7 consecutive days, OR erosion is critical for the critical asset class.

Project design status Design is complete – see "i" icon for more information

Permit & easement status

All necessary permit(s) and easement(s) have been authorized/obtained

Local cost share available Yes

Habitat enhancement or NBS Yes

Critical habitat

Percent CA vulnerable explanation ()

WRNWWTF is the ONLY wastewater treatment facility serving daily sewer needs of City of Pahokee and parts of unincorporated Palm Beach County. Under a scenario where there is a problem/failure at WRNWWTF and the wastewater cannot be properly transported or treated, a total of 24 critical assets in the project impact area (100%) will be vulnerable to sewer flooding induced by rainfall event. Here is the list of critical assets in the project impact area: 5 lift stations, 2 local government buildings (Pahokee City Hall, Pahokee Fleet Maintenance), 6 schools (GAP Christian Academy and etc.), 6 mobile home parks, 1 fire station, 2 national shelter system facility (First united methodist church and Pahokee Community Center), 1 senior service (Alzheimer's community care) and 1 childcare center. See the attached document "PBCWUD_WRNWWTF_Tier 1 Percentage of Critical Assets".

Existing flood mitigation project expln

PBCWUD has been implementing flood mitigation projects in WRNWWTF such as plant hardening, inflow and infiltration study, wet weather resiliency assessment and etc. This effort is to improve wastewater treatment plant layout to reduce potential upland damage cost (loss of power, asset damage and public health issue) from rising floodwaters. This proposed project will contribute to this large effort. New and enhanced structures: This project will have new elevated electrical building, new elevated stormproof generator, underground utilities lines and hardened process pipes. Restoration and Revegetation: Revegetation will occur at disturbed areas with native vegetation. The existing dense plants around the plant will be restored and improved to serve as enhanced vegetated flood control berms during extreme rainfall events. County is aiming to build a sustainable infrastructure system that restores and enhance our resources, protects the environment and benefits our future.

Flood frequency explanation (

The plant has been flooded in the last 3 years and the plant is experiencing ongoing erosion at various structures from 2016 to 2024. Please see the attached photos taken by County staff "PBCWUD_WRNWWTF_Tier 2 Severity of Flooding_erosion around critical asset".

Flood severity explanation 🕕

Observed erosion from 2016 to 2024 near wastewater treatment plant critical asset structures. Please see the attached photos taken by County staff "PBCWUD_WRNWWTF_Tier 2 Severity of Flooding_erosion around critical asset".

Project design status explanation

Design is complete. Please see the attached final signed and sealed construction plan set "PBCWUD_WRNWWTF_Tier 2_Design Readyness_Signed and Sealed Plan for Construction"

Permit & easement status explanation

FDEP permit (FLA0136778) was approved and issued. Please see the attached FDEP permit approval letter "PBCWUD_WRNWWTF_Tier 2_Design Readyness_Approved Permits".

City of Pahokee building permit was approved and issued. Please see the attached permit card "PBCWUD_WRNWWTF_Tier 2_Design Readyness_Approved Permits".

Easement is not necessary because all work is to be done in the plant owned by Palm Beach County Water Utilities (PBCWUD).

Local cost share available explanation

The project is located in the City of Pahokee. City of Pahokee is a financially disadvantaged small community as defined in 380.093 (5)(e), FS. Please see the attached documents regarding local funding. The most recent April 1 population estimate shows City of Pahokee has 5,607 people, which is lower than the threshold 10,000 set in the FS. For per capita annual income, Pahokee has \$16,698 and state of Florida has \$38,850. For per capita annual income, Pahokee is lower than the state as required in the FS. Although no cost share commitment is required for this project, PBCWUD has successfully secured a federal grant (HUD funding passing through Florida Commerce) \$2.7M. Please see attached executed grant agreement 10166, approval letter "Authority to Use Grant Funds" and environmental review record (ERR) approval letter. Related documents are labeled as "PBCWUD_WRNWWTF_Tier 2_Local Funding_10166".

Habitat enhancement or NBS explanation

This project will use planted vegetation and tall vegetated berms between the plant and major road (Rim Canal Road) for flood resilience. The elevation difference between the road and plant is 6ft (road sits at 18ft and plant sits at 12ft, can be verified through google earth). This nature-based solution will increase stormwater storage during severe rainfall events, provide extra wind protection during storm season and serves as an environmental habitat for local wildlife such as hogs, foxes, rabbits and many more.

Critical habitat explanation

No		

Cost	effective
Yes	

Cost effective explanation

Please see the attached document "PBCWUD_WRNWWTF_Tier 2 Cost Effectiveness Analysis". Two alternatives were analyzed. Alternative 1 "Do Nothing" will have a potential \$116M damage assuming only 1 failure in the plant's expected life span. The consequence of "Do Nothing" is more than 10 times of this project's e) and South (Beile Glade) plants. on proposed by this project gh price at \$95M. The proposed

·	cost. Alternative 2 is to interconnect North (Pahokee) and South (Belle Glade) plants. This alternative can achieve the same flood protection proposed by this project however it was rejected because of its extremely high price at \$95M. The proposed project is the most cost-effective option to achieve maximum flood resiliency.
Cost share available	Cost share available explanation
The project is in a financially disadvantaged small community and cost share is not required	1
Previous state funding	Previous state funding explanation
Construction (previous phases)	Please see the attached "PBCWUD_WRNWWTF_Tier 2_Local Funding_10166". Award Agency: State of Florida "Department of Economic Opportunity", Award Date: Feb 08,2022, DEO Agreement number: 10166, amount: \$2,700,000. The awarded funding is to implement construction for the same project (Page 21, 2 project description).
Exceeds FBC/local floodplain regs	Exceeds FBC/local floodplain regs expln
Yes	This project will exceed Florida Building Code requirements and local floodplain management regulations by going 3 ft above flood elevation. Please see the attached document "PBCWUD_WRNWWTF_Tier 3 Flood Resistance".
Innovative tech	Innovative tech explanation 🕐
Yes	Please see attached document "PBCWUD_WRNWWTF_Tier 4 innovative Technology". This project will use innovative technologies to reduce cost and provide regional collaboration.
Community financially disadvantaged	Comm financially disadvantaged expln
Yes	The project impact area is city of Pahokee. City of Pahokee is a financially disadvantaged small community as defined in 380.093 (5)(e), FS. The most recent April 1 population estimate shows City of Pahokee has 5,607 people, which is lower than the threshold 10,000 set in the FS. For per capita annual income, Pahokee has \$16,698 and state of Florida has \$38,850. For per capita annual income, Pahokee is lower than state as required in the FS. Additionally, the median household income for Pahokee in 2022 is \$36,289 and 31.8% people are living below the poverty line. Those values are much worse when compared to the state of Florida where the median household income is \$67,917 and 12.7% people living below the poverty line. In addition, Pahokee is a defined rural area of opportunity which has been adversely affected by extraordinary economic events or natural disasters. Please see the attachment document starting with "PBCWUD_WRNWWTF_Disadvantage Small Community".
GI Benefit Spring	GI Benefit Spring Explanation
No	, de la companya de la companya de la companya de la companya de la companya de la companya de la companya de l
GI Protect Water Sources No	GI Protect Water Sources Explanation
GI Facilities Waste Treatment	GI Facilities Waste Treatment Explanatio
Yes	This project is a wastewater treatment plant upgrade project. The major project components include: (1) construction of a fully enclosed backup power generator, (2) installation of concrete electrical building with associated 480-volt switchgear and motor control centers (3) replacement of the plant-wide controls system (4) replacement of process piping (5) various site improvements such as burying utilities lines underground, improving perimeter vegetated flood berms and etc.
GI Convert Septic To Sewer No	GI Convert Septic To Sewer Explanation
GI Green Stormwater Infrastructure	GI Green Stormwater Infrastrure Expl
No •	🕐
GI Applied Other Programs	GI Applied Other Programs Explanation
Yes	This project was submitted to Federally Funded Community Development Block

This project was submitted to Federally Funded Community Development Block Grant Mitigation Program (CDBG-MIT) and was awarded \$2.7M. The grant agreement was fully executed on 03/21/2022. Please see the attachment "PBCWUD_WRNWWTF_Local Funding_I0166-PalmBeachCo-MIT-Executed".

4

✓ Information

GI Community Population

GI Critical Assets Served

Amount of Funds Awarded

5,607

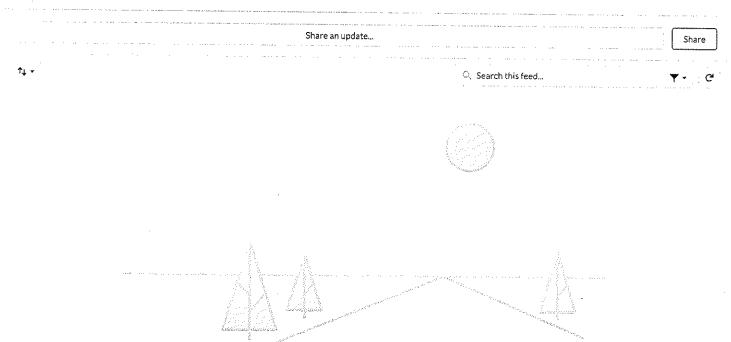
	la de la companya de	
GI Critical Assets Served Explanation 🚯	Amount of Funds Requested 0	
Permitting	Lands, Easements, Rights of Way	
City of Pahokee Building Permit was approved in 07/2024. Project Follow Up	Metric Assigned ① Square feet of building protected 	
Statewide Flooding and Sea Level Rise	Metric Value 1	
· · · · · · · · · · · · · · · · · · ·	Metric Value Units Square Feet	
✓ Additional Funding		
Additional Function Applicant Entity (<u>https://fdep.my.site.com/grants/)</u>	Additional Funding Current Grant Number (<u>https://fdep.my.site.com/grants/)</u>	
Additional Funding Current Grant	Additional Funding Request	
Additional Match Secured	Additional Funding Request Justification	
During the Manufacture of	· · · · · · · · · · · · · · · · · · ·	
✓ Project Work Plan		
Project Summary This project is a wastewater treatment plant upgrade project. The major project components include: (1) construction of a fully enclosed backup power generator, (2) installation of concrete electrical building with associated 480-volt switchgear and motor control centers (3) replacement of the plant-wide controls system (4) replacement of process piping (5) various site improvements such as burying utilities lines underground, improving perimeter vegetated flood berms and etc.	 Project Description WRNWWTF was built in 1940s and it is the only wastewater treatment plant wring city of Pahokee. To address ongoing compound flooding from sewer floods, rainfall and infiltration/inflow from groundwater, this plant needs significant improvements to maintain reliable service and allow the facility to remain open and run in full capacity during major storm events. The proposed project will install elevated new structures, implement innovate technology and use nature-based solution to ensure this resiliency goal is achieved. 	
· · · · · · · · · · · · · · · · · · ·	the second second second second second second second second second second second second second second second se	
✓ Project Need and Benefit		
 Project Need and Benefit Project Feasability 	Project Vulnerability (
•	Project Vulnerability	
•	la di serie de la companya de la companya de la companya de la companya de la companya de la companya de la comp	•
Project Feasability	la di serie de la companya de la companya de la companya de la companya de la companya de la companya de la comp	
Project Feasability ∼ Budget	Vulnerability Assessment include State	
Project Feasability V Budget Budget Narrative	Vulnerability Assessment include State	
Project Pessability V Budget Budget Narrative Indirect Percent	Vulnerability Assessment include State	
Project Feasability V Budget Budget Narrative Indirect Percent V Signature Authorized Signers Signature	Vulnerability Assessment include State	
Project Feasability	Vulnerability Assessment include State	
Project Fessability Project Fessability Budget Budget Budget Budget Narrative Indirect Percent	Vulnerability Assessment include State Work Performed by Preparer Type Applicant	
Project Fessability Project Fessability Budget Budget Budget Budget Narrative Indirect Percent	Vulnerability Assessment include State Work Performed by Preparer Type Applicant Preparer Account Preparer Account Preparer Account	
Project Pessability	Vulnerability Assessment include State Work Performed by Work Performed by Preparer Type Applicant Preparer Account Paim Beach County Water Utilities (/grants/s/detail/0015G0000220A7SQAU) Preparer Contact Jane House (/grants/s/detail/0035G00003BahLuQAJ)	
Project Fessability V Budget Budget Narrative Budget Narrative Indirect Percent Narrative Narrative Signature Authorized Signers Signature Ali Bayat Certification Agreement Certification Agreement System Information Created By Dane House (/grants/s/profile/0055G00000BCTr30AH), 6/26/2024 9:51 AM Last Modified By Dane House (/grants/s/profile/0055G00000BCTr30AH), 8/28/2024 2:52 PM Owner	Vulnerability Assessment include State Work Performed by Preparer Type Applicant Preparer Account Preparer Account Preparer Contact	

RAN-01078

Jane House (/grants/s/profile/0055G00000BCTr3QAH)

Post Question Poll

Post Question Poll



Collaborate here!

Here's where you start talking with your colleagues about this record.

Florida Department of Environmental Protection 3900 Commonwealth Blvd. Tailahassee, FL 32399-3000