

MEMORANDUM

TO: South Texas Water Authority Board of Directors
FROM: Jose M Graveley, President
DATE: March 12, 2024
SUBJECT: Meeting Notice and Agenda for the South Texas Water Authority

A Regular Meeting of the STWA Board of Directors is scheduled for:

Tuesday, March 19, 2024

5:30 p.m.

South Texas Water Authority
2302 East Sage Road
Kingsville, Texas

The Board will consider and act upon any lawful subject which may come before it, including among others, the following:

Agenda

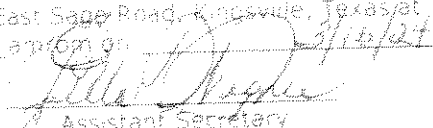
1. Call to order.
2. Citizen comments. This is an opportunity for citizens to address the Board of Directors concerning an issue of community interest that is not on the agenda. Comments on the agenda items must be made when the agenda item comes before the Board. The President may place a time limit on all comments. The response of the Board to any comment under this heading is limited to making a statement of specific factual information in response to the inquiry, or, reciting existing policy in response to the inquiry. Any deliberation of the issue is limited to a proposal to place it on the agenda for a later meeting.
3. Approval of Minutes. (Attachment 1)
4. Quarterly Report/Treasurer's Report/Payment of Bills. (Attachment 2)
5. Operation and Maintenance Reports. (Attachment 3)
 - O&M Report
 - CP Update
6. Discussion of Alternative Water Sources. (Attachment 4)
7. TRWA 2024 Ballot for Proposed Bylaws Amendment. (Attachment 5)
8. Administration Report:

- STWA Drought Contingency Plan – Stage 2
- CCW Wholesale Customer Meeting
- TWDB Funding Round 2 – FY 2025

9. Adjournment.

The Board may go into closed session at any time when permitted by Chapter 551, Government Code. Before going into closed session, a quorum of the Board must be assembled in the meeting room, the meeting must be convened as an open meeting pursuant to proper notice, and the presiding officer must announce that a closed session will be held and must identify the sections of Chapter 551, Government Code, authorizing the closed session.

JMG/JM/fdl
Attachments

This meeting notice was posted on
STWA's website, www.stwa.org, and on
indoor and outdoor bulletin boards at
STWA's administrative offices,
2302 East Sage Road, Kingsville, Texas, at
4:30 pm on 3/14/24

Assistant Secretary

ATTACHMENT 1

Approval of Minutes

SOUTH TEXAS WATER AUTHORITY
Regular Board of Directors Meeting
February 27, 2024
Minutes

Board Members Present:

Jose Graveley
Frances Garcia
Imelda Garza.
Kathleen Lowman
Joe Morales
Angela Pena
Patsy Rodgers (Zoom)

Board Members Absent:

Rudy Galvan, Jr
Art Rodriguez

Staff Present:

John Marez
Frances De Leon
Jo Ella Wagner
Patrick Sendejo
Hector Barbosa

Guests Present:

Rogelio Rodriguez, Water Finance Exchange
Terry Arnold, Seven Seas
Oliver Wiese, Seven Seas
Kleberg County Judge Rudy Madrid
Ivan Luna, I.C.E.
Darrell Brownlow
Christopher Williams, Raftelis
Sarah Wingfield, Raftelis
Joe Ortiz

1. Call to Order.

Mr. Jose Graveley, Board President, called the Regular Meeting of the STWA Board of Directors to order at 5:30 p.m. A quorum was present.

2. Citizen Comments.

Mr. Graveley opened the floor to citizen's comments. No comments were made.

The order of the agenda was changed to accommodate the guests.

7. Discussion of Alternative Water Sources.

Mr. Arnold Wiese and Mr. Terry Arnold representing Seven Seas provided an update on the desalination plant in Alice, Texas. They explained that the plant is expected to be operational by the end of April. The project involves no upfront capital through the engineering, building and operation phases. Seven Seas will only get paid if the buyer approves the water. Mr. Marez stated that Mr. Wiese sent documents to him which he will forward to the Board. Mr. Wiese also reported that Seven Seas is in discussions with the City of Mathis and has been reaching out to legislators for their support. He stated that for STWA, they are researching drilling 900-950 feet deep in a plot of land along the 42" waterline. Kleberg County Judge Rudy Madrid voiced concerns about the impact this might have on the 1PointFive Direct Air Capture Project. When

asked about the water rate, Mr. Wiese said it would be higher than the City of Corpus Christi's rate but would be based on the scope of the project.

Mr. Christopher Williams, Raftelis, then provided a presentation on Industrial Customer Negotiations. He noted that the Lynx and Engineering Report provided by Tesla forecasts Tesla's water commitment at an estimated 30,000 gallons per day in January 2024 before plateauing at 1.1 million gallons per day by October 2025. Additionally, Tesla later stated that the daily usage could be as high as 8 million gallons per day. Raftelis recommends a fixed charge for an 8" meter at \$2,520 and a volumetric rate of \$5.21 per thousand gallons. The fixed rate is based on NWSC's 2023 rate for a 5/8" meter escalated by AWWA Meter Capacity Ratios. No action was taken by the Board.

12. Administration Report.

- Update on Corpus Christi Water's relocation of Stevens Plant water meter.

Mr. Ivan Luna, I.C.E., reported that a week ago Corpus Christi Water provided I.C.E. with plans for the meter relocation. In addition, it was discovered that CCW started doing some of the work without notification to STWA. He stated that I.C.E. is looking out for STWA and has concerns about some of the specifications that are not to standard. They are working on providing a list to Mr. Marez to send to CCW.

2. Citizen Comments.

Mr. Joe Ortiz arrived during the meeting to address the Board under Citizen Comments. Mr. Graveley re-opened the floor to citizen's comments in order to provide Mr. Joe Ortiz an opportunity to speak since he arrived after the Citizen Comments period. Mr. Ortiz introduced himself as a citizen of Corpus Christi and asked that Mr. Marez resign from either his position at STWA or as a commissioner because he did not feel it is appropriate for him to be carrying out both duties. He has requested an Attorney General's opinion because he feels if this is not illegal, it is unethical. He asked Mr. Marez to resign within 24 hours or face legal ramifications. There were no other comments.

3. Approval of Minutes.

Ms. Garza made a motion to approve the minutes of the January 23, 2024 Regular Meeting as presented. Ms. Lowman seconded. The motion passed by unanimous vote.

4. Quarterly Report/Treasurer's Report/Payment of Bills.

No financial reports were presented. The following invoices were presented for Board approval:

- Kevin Kieschnick \$ 3,654.60
- Kevin Kieschnick \$ 15.35

Ms. Garcia made a motion to approve payment of the bills. Ms. Lowman seconded. The motion passed unanimously.

5. Operation and Maintenance Reports.

Mr. Sendejo presented the O&M Report. There were no questions from the Board.

6. Cathodic Protection Report, presentation and update on bids for rectifiers.

Mr. Hector Barbosa provided a brief presentation on Cathodic Protection. He then reviewed cost estimates from five companies for installation of cathodic protection deep well ground beds. The estimates varied from \$38,983 to \$93,685 per ground bed. Four ground beds are needed. Mr. Barbosa provided an estimate of \$110,929.08 to complete all four ground beds in-house. Mr. Morales made a motion to proceed with in-house installation of the ground beds. Ms. Garza seconded. All voted in favor.

8. Declaration of surplus property.

Mr. Marez presented Resolution 24-06 listing surplus property for the Board's approval. The items include a 2012 Chevrolet 1500 pickup, a 2014 Ford F150 pickup, one HP printer, one Acer LCD monitor and 300 17-pound magnesium sacrificial anodes.

9. Resolution 24-06. Resolution authorizing the sale of surplus property of the South Texas Water Authority.

Ms. Garcia moved to adopt Resolution 24-06 authorizing sale of the surplus property. Ms. Garza seconded. All voted in favor.

10. Updated STWA Water Conservation and Drought Contingency Plan.

Mr. Marez presented a draft updated STWA Water Conservation and Drought Contingency Plan prepared by I.C.E. Ms. Lowman questioned some of the values in Table 2 on Page 13 and Ms. De Leon responded that the current values were not available when I.C.E. was working on the plan but the information is now available and will be updated.

11. Resolution 24-07. Resolution adopting an updated Water Conservation and Drought Contingency Plan for the South Texas Water Authority.

Ms. Lowman made a motion to approve Resolution 24-07 adopting the updated Water Conservation and Drought Contingency Plan for South Texas Water Authority with the changes to Table 2. Ms. Garza seconded. All voted in favor.

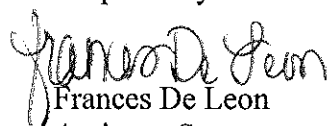
12. Administration Report.

Mr. Marez stated staff will continue working with the City of Corpus Christi on the meter relocation.

13. Adjournment.

Ms. Garza made a motion to adjourn the meeting at 7:27 p.m. Ms. Lowman seconded. All voted in favor.

Respectfully submitted,


Frances De Leon
Assistant Secretary

ATTACHMENT 2

Quarterly Report/Treasurer's Report/Payment of Bills

Universal Rectifiers, Inc.
 PO Box 1640
 Rosenberg, TX 77471
 281-342-8471
 281-342-0290 Fax:



Invoice

Date	Invoice #
3/1/2024	148328

Bill To
South Texas Water Authority jwagner@stwa.org hbarbosa@stwa.org

Ship To
South Texas Water Authority Attn: Hector Barbosa 2302 E Sage Road Kingsville TX 78363 hbarbosa@stwa.org

P.O. Number	Terms	Account #	Ship	Via	F.O.B.	Tracking Number
15489 - Project 704	Net 30		2/29/2024	Old Dominion	Needville TX	31707267709

Ordered	Qty. Shipped	B/O	Description	Price Each	Amount
1	1		Rectifier ASAI 50-50 ABCRW ASAI = Air Cooled, Standard Rectifier, Manual link bar control, Silicon stack 50V 50A A = 115/230 VAC, 1 Phase, 60 Hertz input B = Set to run on 230 VAC C = AC & DC lightning arrestors R = 115 VAC convenience outlet on the front panel W = Terminal strip for remote monitoring, terminals to include Volts +/-, Amps +/-, 115 VAC Type "B" case, Hot Dip Galvanized, Pole mount, Approx. 225 pounds Serial #232488 Shipping charge	4,484.00	4,484.00
				75.00	75.00

Date: 3/1/24 ^{POSTED} Rect at CO Rd 36
 Claim # 4409
 Acct/Object 001000/54720

Terms are Net 30 days. All past due accounts are subject to a 1.5% Service Charge per month.

Total	\$4,559.00
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Balance Due	\$4,559.00
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Universal Rectifiers, Inc.
 PO Box 1640
 Rosenberg, TX 77471
 281-342-8471
 281-342-0290 Fax:



Invoice

Date	Invoice #
3/1/2024	148327

Bill To
South Texas Water Authority jwagner@stwa.org hbarbosa@stwa.org

Ship To
South Texas Water Authority Attn: Hector Barbosa 2302 E Sage Road Kingsville TX 78363 hbarbosa@stwa.org

P.O. Number	Terms	Account #	Ship	Via	F.O.B.	Tracking Number	
15488 - Project 703	Net 30		2/29/2024	Old Dominion	Needville TX	31707267709	
Ordered	Qty. Shipped	B/O	Description			Price Each	Amount
1	1		Rectifier ASAI 50-50 ABCRW ASAI = Air Cooled, Standard Rectifier, Manual link bar control, Silicon stack 50V 50A A = 115/230 VAC, 1 Phase, 60 Hertz input B = Set to run on 230 VAC C = AC & DC lightning arrestors R = 115 VAC convenience outlet on the front panel W = Terminal strip for remote monitoring, terminals to include Volts +/-, Amps +/-, 115 VAC Type "B" case, Hot Dip Galvanized, Pole mount, Approx. 225 pounds <i>Rectifier For CO Rd 28</i> Serial #232487 Shipping and Handling			4,484.00	4,484.00
			<i>By Date: 2/28/24</i> POSTED Claim # <u>4408</u> Acct/Object: <u>001050 / 54720</u>			75.00	75.00

Terms are Net 30 days. All past due accounts are subject to a 1.5% Service Charge per month.

Total	\$4,559.00
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Balance Due	\$4,559.00
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Universal Rectifiers, Inc.
 PO Box 1640
 Rosenberg, TX 77471
 281-342-8471
 281-342-0290 Fax:



Invoice

Date	Invoice #
3/1/2024	148325

Bill To
South Texas Water Authority jwagner@stwa.org hbarbosa@stwa.org

Ship To
South Texas Water Authority Attn: Hector Barbosa 2302 E Sage Road Kingsville TX 78363 hbarbosa@stwa.org

P.O. Number	Terms	Account #	Ship	Via	F.O.B.	Tracking Number	
15487 - Project 702	Net 30		3/1/2024	Old Dominion	Needville TX	31707267709	
Ordered	Qty. Shipped	B/O	Description			Price Each	Amount
1	1		Rectifier ASAI 50-50 ABCRW ASAI = Air Cooled, Standard Rectifier, Manual link bar control, Silicon stack 50V 50A A = 115/230 VAC, 1 Phase, 60 Hertz input B = Set to run on 230 VAC C = AC & DC lightning arrestors R = 115 VAC convenience outlet on the front panel W = Terminal strip for remote monitoring, terminals to include Volts +/-, Amps +/-, 115 VAC Type "B" case, Hot Dip Galvanized, Pole mount, Approx. 225 pounds Serial #232230 Shipping charge			4,484.00	4,484.00
						75.00	75.00
			POSTED Date: <u>3/4/24</u> Claim # <u>4382</u> Acct/Object: <u>001000 / 54720</u>				

Terms are Net 30 days. All past due accounts are subject to a 1.5% Service Charge per month.

Total	\$4,559.00
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Balance Due	\$4,559.00
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Universal Rectifiers, Inc.
 PO Box 1640
 Rosenberg, TX 77471
 281-342-8471
 281-342-0290 Fax:



Invoice

Date	Invoice #
3/1/2024	148279

Bill To
South Texas Water Authority jwagner@stwa.org hbarbosa@stwa.org

Ship To
South Texas Water Authority Attn: Hector Barbosa 2302 E Sage Road Kingsville TX 78363 hbarbosa@stwa.org

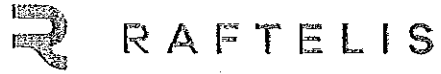
P.O. Number	Terms	Account #	Ship	Via	F.O.B.	Tracking Number	
15477 - Project 701	Net 30		2/29/2024	Old Dominion	Needville TX	31707267709	
Ordered	Qty. Shipped	B/O	Description			Price Each	Amount
1	1		Rectifier ASAI 50-50 ABCRW ASAI = Air Cooled, Standard Rectifier, Manual link bar control, Silicon stack 50V 50A A = 115/230 VAC, 1 Phase, 60 Hertz input B = Set to run on 230 VAC C = AC & DC lightning arrestors R = 115 VAC convenience outlet on the front panel W = Terminal strip for remote monitoring, terminals to include Volts +/-, Amps +/-, 115 VAC Type "B" case, Hot Dip Galvanized, Pole mount, Approx. 225 pounds Serial #232229			4,484.00	4,484.00
1	1		Shipping charge			75.00	75.00
POSTED Date: <u>3/4/24</u> Claim # <u>4381</u> Acct/Object: <u>601000 / 54720</u>							

Terms are Net 30 days. All past due accounts are subject to a 1.5% Service Charge per month.

Total	\$4,559.00
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Balance Due	\$4,559.00
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RAFTELIS
 227 W. Trade St
 Suite 1400
 Charlotte, NC 28202



South Texas Water Authority
 2302 E. Sage Road
 Kingsville, TX 78363

March 13, 2024
 Invoice No: 32548

Project R-09129TX23.01 South Texas Water Authority - Water Rate and Financial Planning Study
Professional Services from February 01, 2024 to February 29, 2024

Professional Personnel

	Hours	Rate	Amount	
Vice-President				
Flores, Angie	7.50	295.00	2,212.50	
Sr. Consultant				
Williams, Christopher	22.50	230.00	5,175.00	
Consultant				
Yoho, Evan	8.00	200.00	1,600.00	
Associate				
Wingfield, Sarah	17.50	175.00	3,062.50	
Totals	55.50		12,050.00	
Total Professional Fees				12,050.00

Technology & Communications Charge	555.00		
	555.00		555.00

Contract	Current	Prior Billings		
Total Billings	12,605.00	19,180.00	31,785.00	
Contract Ceiling			46,718.00	
Remaining			14,933.00	
			Total this Invoice	\$12,605.00

Billings to Date	Current	Prior	Total	Received	AR Balance
	12,605.00	19,180.00	31,785.00	19,180.00	12,605.00

KLEBERG COUNTY APPRAISAL DISTRICT

P.O. BOX 1027 - 502 E. KLEBERG - KINGSVILLE, TEXAS 78364

PH. # (361) 595-5775 - FAX # (361) 595-7984

RECEIVED

MAR 01 2024

SOUTH TEXAS WATER AUTHORITY

TO: South Texas Water Authority
FROM: Kleberg County Appraisal District
DATE: March 1, 2024
SUBJECT: 2024 Appraisal District Payment Information

The 2nd payment from your taxing unit toward the 2024 Appraisal District Operating Budget is due to be paid by March 31, 2024. Thank you for your attention to this matter.

Amount due if paid by 3/31/2024: \$ 5,922.01
Amount due if paid after 3/31/2024: \$ 6,267.46

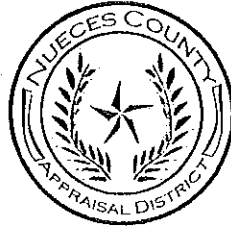
\$	5,922.01	
+ \$	296.10	(5% Penalty)
+ \$	49.35	(10% Interest /Mo)
\$	<u>6,267.46</u>	

Date: 3/8/24 ^{POSTED}
Claim # 4412
Acct/Object: 001000 / 53270

RECEIVED

FEB 22 2024

SOUTH TEXAS WATER AUTHORITY



Nueces County Appraisal District
201 N. Chaparral, Ste. 206
Corpus Christi, Texas 78401-2503

Ramiro "Ronnie" Canales
Nueces County Chief Appraiser

Office: (361) 881-9978
Fax: (361) 887-6721
info@nuecescad.net

NUECES COUNTY APPRAISAL DISTRICT
2024 BUDGET ALLOCATION

INVOICE #20240331

Taxing Unit: So Texas Water Auth

Due Date: March 31, 2024

2nd Quarter Amount Due: \$2,980

POSTED
Date: 2/28/24

Claim # 4358

Attachment: W01000 53270

3114124
5908
2980.⁰⁰

ATTACHMENT 3

Field Reports

Memorandum

To: South Texas Water Authority Board of Directors and John Marez, Administrator

From: Patrick Sendejo, O&M Manager

Date: March 19, 2024

Re: O&M Activities

During the Week of February 26th:

Admin:

Review GPS Records
City Gallons Report
Water Loss Report
TRWA Apprenticeship Weekly Hours Update (Noe Moreno)
Basic Water Training/Locate Training/CSI Training/Standard Operation
Procedure Training. Chlorinator Maintenance – course for O&M Manager Class
B license.

Operations:

Collect/Monitor NAP samples – STWA, RWSC & NWSC
Monitor residuals (Total, Free, Mono, FAA) for the Driscoll Booster Station on
the 42" line – Driscoll Before, Ave G, CR 16, Kingsville Meter Run &
RWSC Meter Run @ Office
Weekly CL 17 Verification
Locates – STWA, RWSC & NWSC
Completed service orders for NWSC & RWSC.
Change out Combinations at Pump Stations
Repairs on Kingsville/Ricardo Chlorine Injection site @ meter run.
Completed Taps - (scheduled for March 2024)

Safety & Maintenance:

Safety Meeting:
**(Open crew discussion of safety concerns, and Crew discussions on all
aspects of preventative maintenance, which includes time for any Q&A.)**
Generators – Exercise Transfer Switch
Weekly Preventative Maintenance – Heavy Equipment, Lawn care equipment,
Leak equipment, Pump-station equipment.
Disinfect Pump Stations
Lawn care at Office and Pumpstations.
Office AC Maintenance, Main AC Filter Change out & Clean Ice Machine
Daily Vehicle Maintenance Report – Interior, Exterior & Under the Hood
Inspections

Cathodic Protection:

Weekly Monitoring of Rectifiers
Rectifier Repairs started at CR4 and Business HWY 77.

During the Week of March 4th 2024:

Admin:

Review GPS records
TRWA Apprenticeship Weekly Hours Update (Noe Moreno)
Basic Water Training/Locate Training/CSI Training/ Standard Operation
Procedure Training.

Operations:

Collect/Monitor NAP samples – STWA, RWSC & NWSC
Monitor residuals (Total, Free, Mono, FAA) for the Driscoll Booster Station on
the 42” line – Driscoll Before, Ave G, CR 16, Kingsville Meter Run &
RWSC Meter Run @ Office
Weekly CL17 Verification
Meter Readings – RWSC, NWSC
Third Coast TTHM Sampling
Locates – STWA, RWSC, NWSC
Completed Service Orders for NWSC and RWSC
Completed Taps - (1)

Safety & Maintenance:

Safety Meeting:
#205 – (Safety First: PIPE TAPPING DVD 22:00Min)
SOP Training – (Chlorine/Free/Mono/FAA DR900 sample techniques)
(Maintenance/Milage sheet log Training) (NWSC/RWSC Route Book
Training).
(Open crew discussion of safety concerns, and Crew discussions on all
aspects of preventative maintenance, which includes time for any Q&A.)
Generators – Exercise Transfer Switch.
Weekly Preventative Maintenance – Heavy Equipment, Lawn care equipment,
Leak equipment, Pump-station equipment.
Daily Vehicle Maintenance Report - Interior, Exterior & Under the Hood
Inspections

Cathodic Protection:

Weekly Monitoring of Rectifiers
Rectifier Repairs started at CR4 and Business HWY 77.

During the Week of March 11th:

Admin:

Review GPS records
TRWA Apprenticeship Hour Updates (Noe Moreno)
Customer service inspector course tutoring (Noe Moreno)
Distribution Class C tutoring course (Daniel Hinojosa)
Basic Water Training/Locate Training/CSI Training/Standard Operation
Procedure Training.

Operations:

Collect/Monitor NAP samples – STWA, RWSC & NWSC
Monitor Residuals (Total, Free, Mono, FAA) for the Driscoll Booster Station on
the 42” line – Driscoll Before, Ave G, CR 16, Kingsville Meter Run &
RWSC Meter Run @ Office
Weekly CL 17 Verification
Locates – STWA, RWSC, NWSC
Flush RWSC, NWSC
Completed service orders for NWSC and RWSC
Lockouts – NWSC
Completed Taps – (2)

Safety & Maintenance:

Safety Meeting:
(Seeing is Believing: Safely Exposing Buried Utilities DVD 23:00 Minutes)
**(S.O.P training: Chloramine Boosting – Driscoll / Central PS Disinfection
Booster Stations)**
**(Open crew discussion of safety concerns, Crew discussions on all aspects of
preventative maintenance, which includes time for any Q&A.)**
Generators – Exercise Transfer Switch
Weekly Preventative Maintenance – Heavy Equipment, Lawn care equipment,
Leak equipment, Pump-station equipment.
Daily Vehicle Maintenance Report - Interior, Exterior & Under the Hood
Inspections

Cathodic Protection:

Weekly Monitoring of Rectifiers
Rectifier Repairs started at CR4 and Business HWY 77.

To: STWA

From: Hector Barbosa NACE Corrosion Technologist # 186086

Date: Jan 13, 2024

Re: CP Department

We have obtained permits both on ROW and for electrical installations.

Have order material for ground beds and have rectifiers on hand.

The week off 3-11-24 through 3-15-24 e will have installed a deep cathodic well with 15 graphite anodes a 50 -50 rectifier upgraded meter loop and Junction box 3-13 have installed deep well and will be tying and terminating by midday on Friday and should be energized on 3-15-24.

Weather permitting, we shall begin drilling at STWA site on co Rd 36 on 3-18-24 and terminating 3-22-24.

Hopefully we will have ac power from NEC so we can Energize ground bed.

Once we get these 2 energized, we will Survey system and will inform of progress.

Thank you, Hector Barbosa,

ATTACHMENT 4

Alternative Water Sources

Memo

To: South Texas Water Authority Board of Directors
From: John Marez, Exec Dir/Admin
Date: March 15, 2024
Topic: Potential Alternate Water Sources

Background:

During our last board meeting, staff presented the general concepts of various water sources potentially available to the STWA. A significant effort has been placed on exploring these options so the board can be presented all potential water sources to explore for primary or secondary access. Item 6 on the board packet focuses on another potential source that was briefly mentioned last month. Staff anticipates presenting to the board several options to consider for next steps that range from contract renegotiations with CCW (Corpus Christi Water) system and these additional options.

Analysis:

Provided are the various sources available to discuss but our focus for our meeting will be on a groundwater source within a reasonable range to service our system. Today's presentation will focus on a private group that has available groundwater with a reported adequate water source that should last over 100 years.

Surface Water from the City of Corpus Christi (CCW): This current option draws water from a combined reservoir system, which, unfortunately, is prone to drought. The City of Corpus Christi is exploring additional water sources to meet the needs of the STWA and regional wholesale customers. The potential for increased water rates per 1,000 gallons is likely.

Groundwater Source within our region: This untapped groundwater source presents an opportunity, although requiring the creation of a transmission line at the supplier's expense to connect to STWA could add to the timeliness of the project. The cost per 1,000 gallons is expected to be relatively low, although the entire project has not yet undergone engineering vetting.

Water Purification: Desalination as an option is becoming a growing trend nationally and worldwide. This leaves STWA and its customers subject to market rates and contracted terms. The perception of this water source could be negative but relies heavily on the location of any by-product after refinement.

Water Reclamation: Utilizing the same volume of water already placed into a wastewater system or water that is recaptured during potable use is a growing trend in especially areas where water sources are limited on unfeasible to access financially. The stigma of using use water is a hurdle to overcome but reclamation is used in cities such as Phoenix and Las Vegas.

Other Emerging Water Options: Various water options are becoming available in our region and will continue to be assessed by our team as we seek other alternatives for your review.

Staff Recommendation:

Receive the presentation and provide staff continued guidance on our potential options.

Board Action:

Receive the presentation and subsequently offer ongoing direction to our staff regarding our potential options. This will ensure that the team remains well-informed and supported in their decision-making process.

Summarization:

The presentation from the EV Group focuses on groundwater. This source is more drought tolerant assuming the aquifer is recharged from rain runoff.



**EVRdesal
Project[®]**

southtexaswater.com

Catahoula Water Company

**Eshelman-Vogt Ranch
Brackish Desal Project**

South Texas Water Authority

3/19/2024

**The Eshelman-Vogt Ranch Project,
what is it and why it is important.**

Located in the heart of water starved south Texas

Positioned near the center of the Golden Triangle

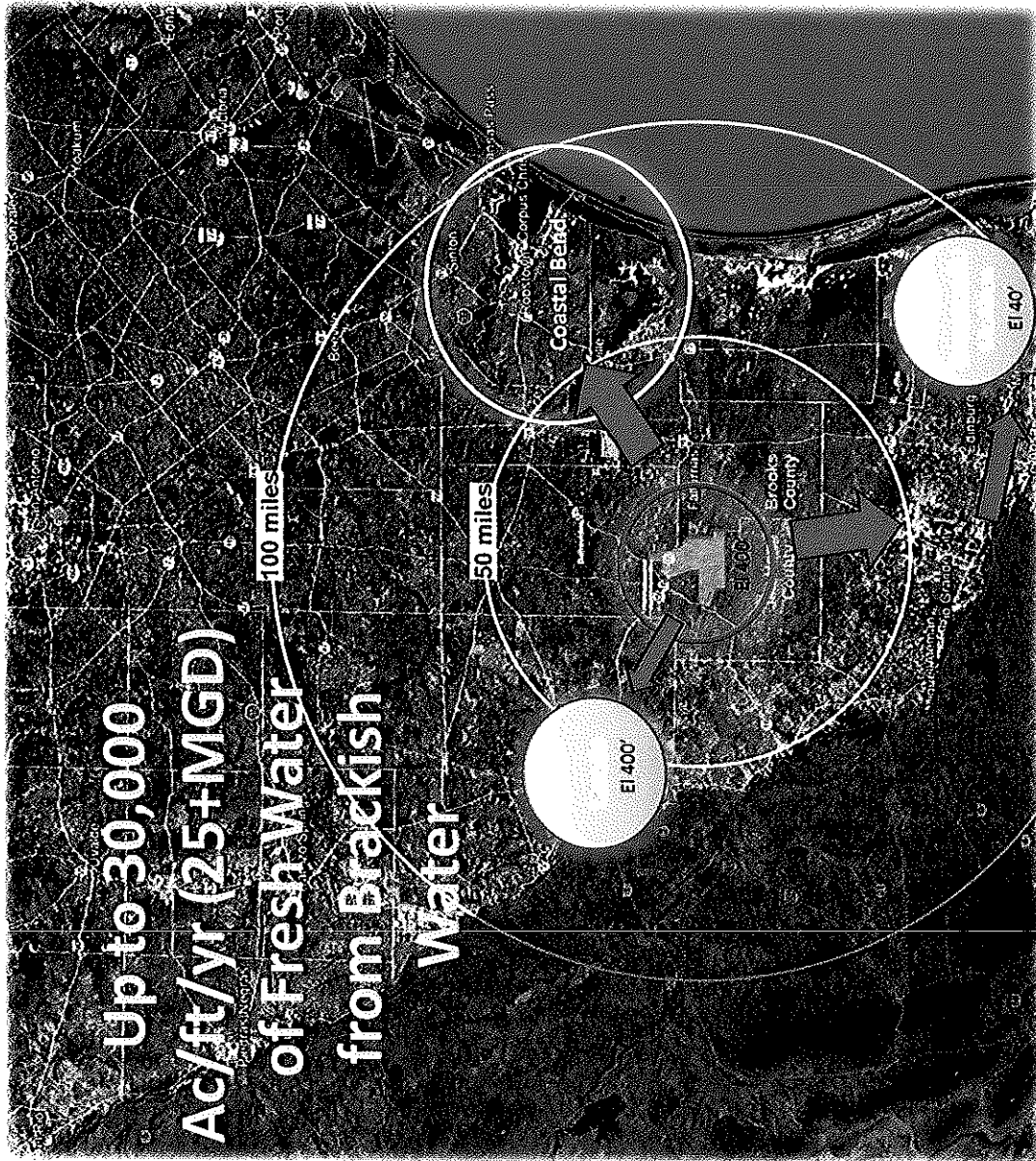
The International Border city of Laredo

The Booming Petrochemical and Export Ports of Corpus Christi

The industrial development in Southern Nueces County

The Ports and Agricultural Center of Brownsville McAllen

100,000 acre Eshelman Vogt Ranch



The EV Ranch Desal Project is a Brackish Groundwater Project

Water Quality Designations

Quality	TDS (mg/l)
Fresh	< 1,000
Slightly Saline	1,000 - 3,000
Moderately Saline	3,000 - 10,000
Very Saline	10,000 - 35,000
Brine	> 35,000

EV (indicated by a bracket encompassing the Slightly Saline, Moderately Saline, and Very Saline categories)

Brackish (indicated by a bracket encompassing the Slightly Saline and Moderately Saline categories)

Seawater (indicated by a bracket encompassing the Very Saline and Brine categories)

Brackish desal projects target slightly saline to moderately saline ground water.

Brackish water desal is generally considered less expensive than "Seawater" desal projects because the amount of salt to be removed is much less in brackish water than in seawater.

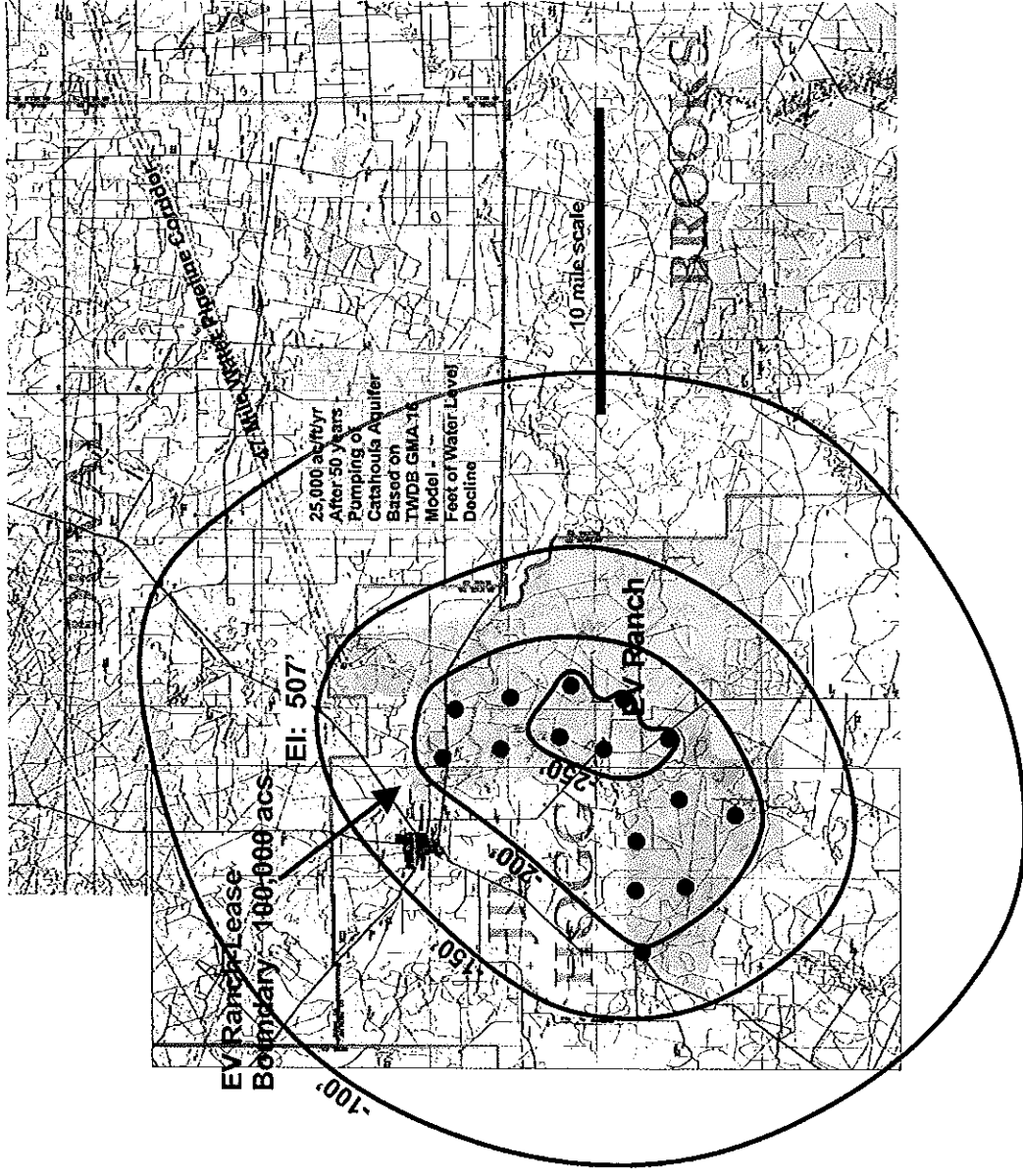
Since the "target" for drinking water is <1000 TDS, starting at 1500-3000 TDS is easier than starting at 35,000 TDS for Seawater.

Some Background

Recognizing the potential significance of this “water find”, the Company performed some preliminary modelling to identify the potential impact of pumping 25MGD of water from this resource.

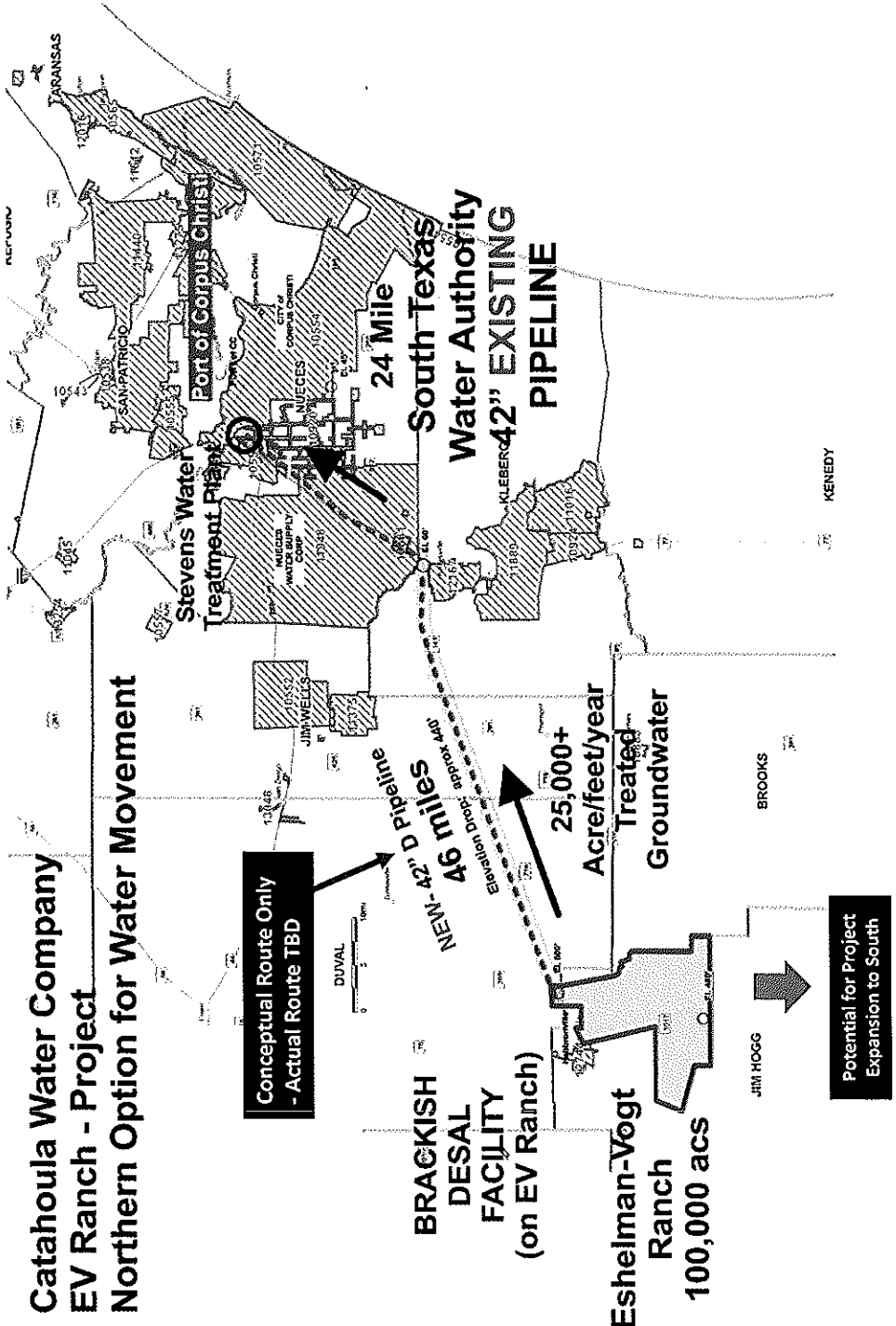
Over 50 years, the likely impact would be relatively modest – especially considering that this aquifer is not utilized or even recognized as a measured resource by the TWDB in groundwater management planning. It is quite frankly “off-the books”.

Estimated volume of water used over 50 years would be 3% of projected availability from this location.



How would this water get to STWA?

**Catahoula Water Company
EV Ranch - Project
Northern Option for Water Movement**



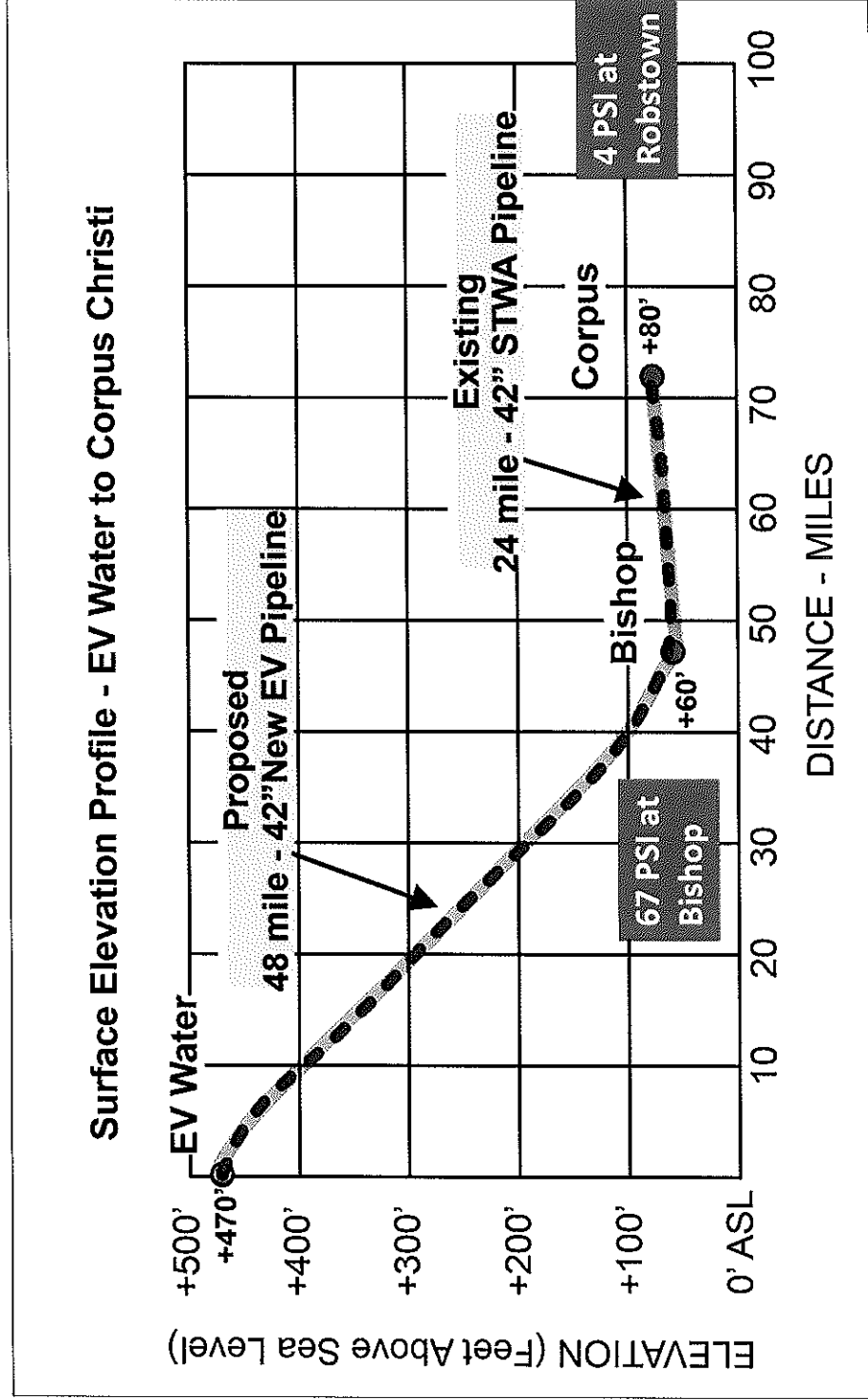
Key Elements of Project

1. **25,000+ ac/ft/yr Potable Water Produced on EV Ranch**
2. **Brackish Desal Facility located on EV Ranch**
3. **46 Mile NEW - 42" Water Pipeline to north side of Kingsville**
4. **New Pipeline connects to Existing STWA 42" Pipeline that extends to water infrastructure and connection Water Demands to the north and south.**

Potential for Project Expansion to South

An important benefit of the EV Ranch project is that the water coming from the project will flow down hill, thereby reducing operating cost.

The Power of Water Flowing Down Hill



The South Texas Water Authority (STWA) stands to benefit greatly from this Project

The EV Water does the following:

- Firms up STWA's supplies – establishes Drought Resistant water supply
- Allows STWA to control their own destiny for decades with price stability
- Hedges against future drastic price increases likely associated with seawater desalination water sources
- Provides STWA with a New Revenue Source for Pipeline Use (Currently < 20% utilized)
- Provides new Water source for Industrial Corridor south of Robstown as well as Kingsville Region
- STWA becomes the key for future industrial/commercial development

How long would it take to build this project?

12 months of feasibility and research, and 18-24 months of project construction 3-4 year time-frame.

HOME ([HTTP://WWW.CCTEXAS.COM/](http://www.cctexas.com/)) > [NEWSROOM \(/\)](#) > [NEWS RELEASES \(/NEWS\)](#) > [CITY DECLARES MANDATORY STAGE 2 WATER RESTRICTIONS](#)

City Declares Mandatory Stage 2 Water Restrictions

[CITY NEWS \(/NEWS?C=23884\)](#) / [UTILITIES \(/NEWS?C=23829\)](#) / [WATER \(/NEWS?C=23838\)](#) / [COMMUNICATION \(/NEWS?C=27700\)](#)

All Water Customers Urged to Conserve Water

MARCH 12, 2024

CORPUS CHRISTI, TX –The City of Corpus Christi's combined reservoir storage levels have dropped below 30%, triggering Stage 2 Water Shortage Conditions. As of March 12, City Manager Peter Zaroni has implemented Stage 2 Watering Restrictions consistent with City Council approved policy in the Drought Contingency Plan. Corpus Christi Water customers have been in Stage 1 Water Restrictions since June 14, 2022 (636 days).

The water restrictions apply to all CCW customers in Corpus Christi, including residential, multi-family, commercial and industrial.

The following Stage 2 Water Restrictions are now in effect:

- Outdoor watering with irrigation or sprinklers is permitted **once every other week** on residential trash pickup day before 10:00 a.m. or after 6:00 p.m.

- Outdoor watering in the Calallen area will be based on the last digit of the customer's address.
- City crews will continue to prioritize responding to water system repairs and leaks.
- The City will continue ongoing educational outreach on restriction requirements and water level awareness.
- Citations will be issued for failure to follow Stage 2 water restrictions after warnings have been given. The citation could result in fines of up to \$500 per violation per day. Enforcement includes nights and weekends.

Irrigation of landscaped areas is permitted on any day if done by a hand-held hose (with a positive shut-off valve), a faucet filled bucket of 5 gallons or by a drip irrigation system (with a positive shut-off device).

Customers can reference their specific area's watering map and schedule by visiting www.cctexas.com (<http://www.cctexas.com/>).

For updates, follow Corpus Christi Water on social media channels on Facebook [@CCTXWater](https://www.facebook.com/CCTXWater) (<https://www.facebook.com/CCTXWater>) and X [@CCTXWater](https://twitter.com/CCTXWater) (<https://twitter.com/CCTXWater>).

For more information, media representatives can contact Adrianna Escamilla, Corpus Christi Water Strategic Business Manager, at 361-826-1682 or AdriannaE@cctexas.com (<mailto:AdriannaE@cctexas.com>).

About Corpus Christi Water

For 130 years, the City of Corpus Christi has been vital as the water supplier for the region. Our commitment to 500,000 residents across the Coastal Bend is to plan, produce and deliver water that is affordable, drought-proof, sustainable, and reliable.

ATTACHMENT 5

TRWA 2024 Ballot

Memo

To: South Texas Water Authority Board of Directors
From: John Marez, Exec Dir/Admin
Date: March 15, 2024
Topic: TRWA 2024 Ballot for Proposed Bylaws Amendment

Background:

Later this month TRWA will conduct a General Business meeting with its voting members on several items to ensure an efficient accounting practice. The item before you is to support the measure and forward the STWA's ballot is delivered with his designated vote.

Analysis:

This ballot measure will ensure the TRWA can better service member systems that pay their dues early in the renewal process.

Staff Recommendation:

This item is deemed noncontroversial and should be approved.

Board Action:

The board should consider approving a motion in favor of the TRWA by laws change for member systems.

Summarization:

This item is a house keeping item to ensure the efficient processing of membership renewals for TRWA member organizations.



1616 Rio Grande Street, Austin, Texas 78701-1122
(512) 472-8591 www.trwa.org

February 5, 2024

Dear TRWA Member Systems,

This year at TRWA's annual RuralWaterCon convention, the Board of Directors is asking members to vote for a bylaws change that would move the deadline for paying membership dues from May 15 to March 31.

The Board recommends members vote "Yes" on the amendment, which will simplify accounting practices and allow the association to better serve members throughout the year by providing an accurate count of member systems earlier. As it stands now, the TRWA systems that pay their dues early in the renewal process, which includes the vast majority of members, effectively subsidize those that delay their payment through May, or even those that decide not to renew and take advantage of nearly half-a-year of free benefits. These late systems are able to take advantage of discounts not just on RuralWaterCon registration in March, but also the Training & Technical Conference in July, which opens for registration in late April, as well as on TRWA trainings and our growing list of member services. Adjusting the date to March 31 still allows systems more than 90 days to renew their membership from when renewal information is mailed out in late December.

Voting will take place during the District Caucuses on the morning of Thursday, March 28. If your system is unable to send a representative to Convention, you can still participate in the TRWA election process by absentee ballot. You can find your 2024 Ballot enclosed with the Proposed Bylaws Amendment, along with your Delegate Certification Form. (Please note that one TRWA district, District 9, will also be voting to select a new director from a slate of candidates.)

We hope to see you at RuralWaterCon this year. Please do not hesitate to contact the TRWA office with any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Bruce A. Alexander".

Bruce Alexander
President
Texas Rural Water Association

RECEIVED

MAR 04 2024

SOUTH TEXAS WATER AUTHORITY



Texas Rural Water Association
1616 Rio Grande Street; Austin, Texas 78701-1122
(512) 472-8591 | www.trwa.org

Absentee Voting Instructions for the 2024 Annual Meeting and Convention of the Regular Members of the Texas Rural Water Association

Your system has received this packet because there is a proposed bylaws amendment election taking place at the 2024 TRWA Annual Meeting and Convention. Please note that per the TRWA bylaws, uncontested director or alternate director elections will be certified by the Board of Directors.

Even if you do not plan to attend the Annual Meeting of the Texas Rural Water Association, your system is still entitled to one vote. We have an absentee voting process for those systems that cannot send a delegate to the Convention.

To cast an absentee ballot, you must complete a delegate certification form and the official absentee ballot (following page), and return the original documents to the Credentials Committee using one of the following methods:

- Official absentee ballot and delegate certification forms may be mailed to the TRWA office in enclosed envelope. Votes submitted through this method must be **received by 5:00 p.m. on FRIDAY, MARCH 22, 2024**.
- Official absentee ballot and delegate certification form may be delivered to the Credentials Committee desk on-site at the Annual Convention **no later than 5:00 p.m. on TUESDAY, MARCH 26, 2024**.

Improperly executed absentee ballots and/or delegate certification forms may result in disqualification of the ballot by the Credentials Committee.

To ensure anonymity, once your credentials have been verified, your absentee ballot will be separated from your delegate certification form and given to the TRWA staff member who will be monitoring all ballots. Absentee ballots will not be read or counted until the day of the caucuses and official election.

In the meantime, if you have any questions about this process, please call our office at 512-472-8591.

In-Person Voting Instructions

In-Person voting will be conducted during the District Caucuses Thursday, March 28 at 8 a.m. In order to cast your vote in person you **MUST** turn in a completed delegate certification form to the Credentials Committee no later than 5:00 p.m. on **TUESDAY, MARCH 26, 2024** in order to have your name added to the list of approved voters so that you can cast a ballot.

DELEGATE CERTIFICATION FORM

For the 2023 Annual Meeting and Convention of the Regular Members of the Texas Rural Water Association

*A Delegate Certification Form must be completed and turned into TRWA
for your absentee or in-person vote to be counted.*

As a TRWA member, your entity is entitled to one vote on all issues considered at the Annual Meeting, including the election of directors, alternate directors and any proposed resolutions or amendments to the TRWA Bylaws. All in-person and absentee ballots must be submitted by a certified delegate appointed by your board. **The Board President or Vice President and Board Secretary or Treasurer of the member system must complete and sign the delegate certification form below and return it to the TRWA Credentials Committee as soon as possible. (Only the President or Owner need sign for IOU.)** Forms must be received at the TRWA office no later than 5:00 p.m. on **FRIDAY, MARCH 22, 2024** or delivered on-site to the Credentials Committee no later than 5:00 p.m., **TUESDAY, MARCH 26, 2024**. Improperly executed delegate certification forms may result in disqualification of the delegate by the Credentials Committee. Please mail to 1616 Rio Grande St., Austin, Texas 78701 or scan and email to sonya.stocklin@trwa.org.

The _____, a Regular Member of Texas Rural Water Association (herein called the "Entity"), hereby appoints:

(print delegate's name)

as our true and lawful voting delegate and

(print alternate's name)

to represent the Entity at the Annual Business Meeting of the Association and District Caucus to be held on Wednesday, March 27, 2024 and Thursday, March 28, 2024, respectively, in San Antonio, Texas. This delegate is authorized to vote on any director or alternate director election, Bylaws amendment or resolution, or any other matter for and on our behalf, which may come before the meeting or any adjournment thereof upon which the Entity would be entitled to vote.

IN WITNESS WHEREOF, this delegate certification form has been executed on behalf of the aforementioned Entity on this the

_____ day of _____, 2024.

Board President or Vice President or Owner

Board Secretary or Treasurer

Date

TRWA District #

OFFICIAL 2024 BALLOT

FOR THE ANNUAL MEETING AND CONVENTION OF THE REGULAR MEMBERS
OF THE TEXAS RURAL WATER ASSOCIATION

Proposed Bylaws Amendment

Proposition 1
(See Below for Text)

Yes

No

Proposition 1

Amend the TRWA Bylaws as follows, replacing the struck-through text with the text that has been underlined:

5.05 Membership Dues. Annual dues shall be set by the Board of Directors of the Association prior to the end of the fiscal year. Dues are payable on or before ~~March 1st~~ January 31st each year and are considered delinquent on ~~May 1st~~ April 1st. If the dues are not paid by ~~May 15th~~ March 31st, the delinquent members will be dropped from the roster and their member benefits will cease until their dues are paid.



Texas Rural Water Association
1616 Rio Grande Street; Austin, Texas 78701-1122
(512) 472-8591 | www.trwa.org