STWA

SOUTH TEXAS WATER AUTHORITY
P. O. BOX 1701
KINGSVILLE, TEXAS 78364-1701

MEMORANDUM

TO: South Texas Water Authority Board of Directors
FROM: Kathleen Lowman, President
DATE: March 18, 2019
SUBJECT: Public Hearing Notice and Agenda for the South Texas Water Authority

A public hearing of the STWA Board of Directors is scheduled for:

Tuesday, March 26, 2019
5:30 p.m.
South Texas Water Authority
111 Sage Road
Kingsville, Texas

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 3:00 am/pm on March 22, 2019
Frances DeLeon
Assistant Secretary

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

Agenda

1. Call to order.

2. Petition for Addition of Certain Lands to the South Texas Water Authority.

   a. Ryan M. Esquivel and Tabitha F. Esquivel – The north east half of Tract 14, the south west half of Tract 14, all of Tract 15, all of Tract 16 and the north east half of Tract 17 of Cyndie Park Unit 2, Nueces County, Texas
   b. Roland Gonzalez – Tract Forty-Four (44), Cyndie Park Unit 2, Nueces County, Texas and the adjoining one-half of Tract Forty-Three (43), Cyndie Part Unit 2, Nueces County, Texas
   c. Patricios Riojas, III and Angel Gonzales Riojas – Tract One (1), Cyndie Park Unit 2, Nueces County, Texas

3. Public Comment

4. 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.

KL/CGS/fdl

Kathleen Lowman, President
Dr. Alberto Ruiz, Vice-President
Rudy Galvan, Secretary-Treasurer
Brandon Barrera
Lupita Perez

(361) 592-9323 Or (361) 692-0337 (C.C. line)
Fax: (361) 592-5965

Patsy A. Rodgers
Filiberto Treviño III
Steven C. Vaughn
Carola G. Serrato, Executive Director

STWA

SOUTH TEXAS WATER AUTHORITY
P. O. BOX 1701
KINGSVILLE, TEXAS 78364-1701

MEMORANDUM

TO: South Texas Water Authority Board of Directors
FROM: Kathleen Lowman, President
DATE: March 18, 2019
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 26, 2019
5:35 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. New Board members' oaths of office.
4. Approval of Minutes. (Attachment 1)
5. Treasurer's Report/Payment of Bills. (Attachment 2)
6. **Resolution 19-12.** Resolution approving Annexation of Certain Lands to the South Texas Water Authority (Ryan M. Esquivel and Tabitha F. Esquivel – The north east half of Tract 14, the south west half of Tract 14, all of Tract 15, all of Tract 16 and the north east half of Tract 17 of Cyndie Park Unit 2, Nueces County, Texas). (Attachment 3)
7. **Resolution 19-13.** Resolution approving Annexation of Certain Lands to the South Texas Water Authority (Roland Gonzalez –Tract Forty-Four (44), Cyndie Park Unit 2, Nueces County, Texas and the adjoining one-half of Tract Forty-Three (43), Cyndie Part Unit 2, Nueces County, Texas). (Attachment 4)

Kathleen Lowman, President
Dr. Alberto Ruiz, Vice-President
Rudy Galvan, Secretary-Treasurer
Brandon Barrera
Lupita Perez

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Carola G. Serrato, Executive Director

8. **Resolution 19-14.** Resolution approving Annexation of Certain Lands to the South Texas Water Authority (Patricios Riojas, III and Angel Gonzales Riojas –Tract One (1), Cyndie Park Unit 2, Nueces County, Texas). (Attachment 5)

9. Tax Increment Reinvestment Zone 1 – Historic Downtown Kingsville, Texas. (Attachment 6)

10. License Agreement with City of Bishop for Pump Station Facilities. (Attachment 7)

11. Water Supply Contract with City of Driscoll. (Attachment 8)

12. Bids for construction of equipment barn. (Attachment 9)

13. **Resolution 19-07**. Resolution awarding the bid for construction of an equipment barn. (Attachment 10)

14. Chloramine Booster Station – Kingsville Pump Station for Ricardo WSC 12-inch waterline. (Attachment 11)

15. Cathodic Protection Report and zinc anode purchase for STWA 42-inch waterline cathodic protection project. (Attachment 12)

16. **Resolution 19-15**. Award of bid for the purchase of anodes. (Attachment 13)

17. Declaration of surplus property, authorization to approve sale of surplus property to the highest bidder, declaration of unsold items as salvage property and authorization to dispose of salvage items. (Attachment 14)

18. Con Mims response to Resolution 19-10. (Attachment 15)

19. TAMUK request for funding in the amount of $10,533 for a study to determine the Effectiveness of a Metal Centered Nanotube Network on Water Disinfection and Desalination. (Attachment 16)

20. Petitions for Addition of Certain Lands to the South Texas Water Authority and setting of public hearing date, time and place. (Attachment 17)

    a. Crystal Lynn Barrera – Cyndie Park Unit 2, Tract Twenty-Seven (27) and Southwest Quarter (SW/4) of Tract Twenty-eight (28), Nueces County, Texas
    b. Robert E. Burleson, III. – Tract 45, Cyndie Park Unit 2, Nueces County, Texas
    c. Roland Bayardo and San Juana Bayardo – Tract Twenty-Two (22) and the adjoining one-half (1/2) of Tract Twenty-Three (23), Cyndie Park Unit 2, Nueces County, Texas
    d. Richard L. Burleson – The Southwest 23.51 feet of Lot 9, all of lot 10 and the adjoining Northeast ½ of Lot 11, Cyndie Park Unit 2, Nueces County, Texas
    e. Jose Ovidio Guzman, Jr. – Tract Two (2), Cyndie Park Unit 2, Nueces County, Texas

21. **Resolution 19-16.** Resolution of determination of validity of Petition for Addition of Certain Lands to the South Texas Water Authority and setting the date, time and place for a public hearing and authorizing publication of public hearing notice. (Crystal Lynn Barrera) (Attachment 18)

22. **Resolution 19-17.** Resolution of determination of validity of Petition for Addition of Certain Lands to the South Texas Water Authority and setting the date, time and place for a public hearing and authorizing publication of public hearing notice. (Robert E. Burleson, III.) (Attachment 19)

23. **Resolution 19-18.** Resolution of determination of validity of Petition for Addition of Certain Lands to the South Texas Water Authority and setting the date, time and place for a public hearing and authorizing publication of public hearing notice. (Roland Bayardo and San Juana Bayardo) (Attachment 20)

24. **Resolution 19-19.** Resolution of determination of validity of Petition for Addition of Certain Lands to the South Texas Water Authority and setting the date, time and place for a public hearing and authorizing publication of public hearing notice. (Richard L. Burleson) (Attachment 21)

25. **Resolution 19-20.** Resolution of determination of validity of Petition for Addition of Certain Lands to the South Texas Water Authority and setting the date, time and place for a public hearing and authorizing publication of public hearing notice. (Jose Ovidio Guzman, Jr.) (Attachment 22)

26. 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.

KL/CGS/fdl
Attachment

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 3:00 am/pm on March 22, 2019
Frances De Leon
Assistant Secretary

ATTACHMENT 1

Approval of Minutes

SOUTH TEXAS WATER AUTHORITY
Regular Board of Directors Meeting
February 26, 2019
Minutes

Board Members Present:

Kathleen Lowman
Dr. Albert Ruiz
Rudy Galvan
Patsy Rodgers
Filiberto Treviño
Brandon Barrera

Board Members Absent:

Lupita Perez
Steven Vaughn

Staff Present:

Carola G. Serrato
Frances De Leon
Jacob Hinojosa
Armando Yruegas

Guests Present:

None

1. Call to Order.

Ms. Kathleen Lowman, 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.

Ms. Lowman opened the floor to citizen's comments. No citizen comments were made.

3. Approval of Minutes.

Ms. Rodgers made a motion to approve the minutes of the January 8, 2019 Special Meeting and the January 22, 2019 Regular Meeting as presented. Mr. Treviño seconded. The motion passed by unanimous vote.

4. Treasurer's Report/Payment of Bills.

The following reports were presented for the Board's consideration:

Treasurer's Report for period ending January 31, 2019
Revenue Fund Income Statement for period ending January 31, 2019
Tax Fund Income Statement for period ending January 31, 2019
Special Services Income Statement for period ending January 31, 2019
STWA Revenue Fund Balance Sheet – January 31, 2019
STWA Revenue Fund GL Account Summary Report as of January 31, 2019
STWA Debt Service Fund Income Statement for period ending January 31, 2019
STWA Debt Service Fund Balance Sheet January 31, 2019
STWA Debt Service Fund GL Account Summary Report as of January 31, 2019
STWA Capital Projects Fund Income Statement for period ending January 31, 2019

Cathodic Protection Expenses Breakdown through January 2019
STWA Capital Projects Fund Balance Sheet – January 31, 2019
STWA Capital Projects Fund GL Account Summary Report as of January 31, 2019
Anticipated vs. Actual Water Rate Charged
Maintenance & Technical Report from O&M Supervisor – January and February 2019
Cathodic Protection Update

The following outstanding invoices were presented for Board approval:

• John Womack & Co., P. C.	$ 3,945.00
• Mercer Controls, Inc.	$ 6,895.00
• Kevin Kieschnick-NC Tax Assessor	$ 14,405.75
• Willatt & Flickinger, Attorneys at Law	$ 2,562.90
• City of Corpus Christi	$ 81,402.45
• Mercer Controls, Inc.	$ 1,950.00
• Mercer Controls, Inc.	$ 3,648.00
• Mercer Controls, Inc.	$ 580.00
• Kevin Kieschnick-NC Tax Assessor	$ 4,297.76

Copies of the last four invoices on this list were distributed at the meeting. A motion was made by Mr. Galvan to approve the Treasurer's Reports and payment of the bills as presented. Mr. Treviño seconded. The motion carried.

5. Tax Increment Reinvestment Zone 1 – Historic Downtown Kingsville, Texas.

Ms. Serrato stated that Kleberg County has not yet discussed participation in the Kingsville Tax Increment Reinvestment Zone. She reminded the Board that STWA's contribution into the City's fund if made at a 100% level and over a 30-year period would total just under $9,600. If the Board approves participation in the TIRZ, STWA will need to establish the required percentage level and whether it will be based on taxes assessed or taxes collected. The Board took no action on this matter.

6. Update on TCEQ Enforcement Action and State Office of Administrative Hearings.

Ms. Serrato informed the Board that a letter was received from TCEQ on February 4th confirming that STWA has complied with all of the Order provisions. Staff will continue following the Monitoring Plan, Nitrification Action Plan and Sample Siting Plan and submitting the Disinfectant Level Quarterly Operating Report. A TCEQ Investigation (Inspection) is expected to occur during 2019. She had nothing further to report.

7. Water Supply Contract with the City of Bishop.

Ms. Serrato stated that after the Board approved the revised Wholesale Water Supply Contract with the City of Bishop contingent on the City approving the License Agreement for the use of the Bishop East Pump Station real estate property, the City approved the Wholesale Water Supply Contract but tabled action on the License Agreement. Therefore, the contract is not in

effect. The City has not purchased water since early December and has been relying on their water well, but she noted that a contractor who is setting up service with Nueces Water Supply Corporation mentioned during the process that they will be drilling wells in the Bishop area for water to be used for dust control and construction of highway improvements. She also mentioned to the Board that she received a phone call from someone who called the City of Bishop about a skin condition and was told by the City that she should call STWA. Ms. Serrato explained to the caller that Bishop has not been purchasing water from STWA since December and the caller told her that her condition had started in December. Ms. Serrato had nothing further to report.

8. License Agreement with City of Bishop for Pump Station Facilities.

Ms. Serrato distributed copies of email exchanges with the Bishop City Secretary Cynthia Contreras and reported that the City did not approve the License Agreement at their January 23rd meeting because the Council did not accept the STWA's proposed changes. She informed Ms. Contreras that without specific details on the Council's objections to the proposed changes on the License Agreement, the STWA Board would not be able to provide a response. Ms. Serrato informed the Board that the City is objecting to changes in sections IV and IX but does not have specific details. She recommended that the Board await further information from the City. No action was taken by the Board.

9. Purchase of real property at site of City of Bishop Pump Station Facilities.

Ms. Serrato stated there has been no feedback from the City of Bishop.

10. Water Supply Contract with the City of Driscoll.

Ms. Serrato said that the City of Driscoll is waiting on an election to fill the vacancy on the city council and added that she has received no response from the City of Driscoll.

11. Interlocal Participation Agreement for the GoodBuy Purchasing Cooperative.

Ms. Serrato presented an Interlocal Participation Agreement for the GoodBuy Purchasing Cooperative. She said this cooperative is similar to BuyBoard and provides more options for finding competitive pricing. There is no cost to become a member. She requested authorization to execute the Interlocal Agreement and recommended approval of Resolution 19-04.

12. **Resolution 19-04**. Shared Service Arrangement for Participation in the GoodBuy Purchasing Cooperative.

Mr. Treviño made a motion to authorize staff to execute the Interlocal Agreement and to adopt Resolution 19-04. Ms. Rodgers seconded and the motion passed by unanimous vote.

13. Bids for the purchase of one trailer for hauling trackhoe/excavator.

Ms. Serrato reported that as authorized by the Board, quotes were solicited for purchase of a heavy-duty equipment trailer capable of hauling the new trackhoe. Four quotes were received

ranging from $16,340 to $20,608, all rated with dual axles of 15,000 lbs. She presented a memo from CP Technician Armando Yruegas recommending award of the bid to Hallmark Trailer Sales in the amount of $16,340 with a 3 to 4-week delivery period. Mr. Galvan commented that he had made inquiries about 30,000 lb. trailers and was informed that they are not bought as often due to the required federal permits or taxes. Mr. Yruegas responded that there is a one-time fee paid at the time of purchase. The Board decided to discuss the bids for a haul truck before taking action on resolution 19-05.

14. **Resolution 19-05**. Resolution awarding the bid for the purchase of one trailer for hauling trackhoe/excavator.

After reviewing the bids, Mr. Galvan moved to award the bid for purchase of the trailer to Hallmark Trailer Sales for $16,340. Dr. Ruiz seconded. All voted in favor.

15. Bids for the purchase of one truck for hauling trackhoe/excavator.

Ms. Serrato stated that three bids were received from Ford dealerships and one was received from a Dodge dealership but was considered incomplete because it did not include details on the capacity of the truck. The Ford bids were from Caldwell Country Ford for $50,271, Silsbee Ford for $51,515.25 and Rush Truck Center for $53,748.30. The bids are on the same model truck under the same specifications. She recommended purchasing the truck from Caldwell Country Ford in the amount of $51,271. Mr. Galvan stated that he had inquired about bids for this type of truck and was informed that trucks over the size of a one-ton do not come with a bed which can run from $5,500 to $9,000 but added that as long as the bed is included in the bid, he is in agreement with Ms. Serrato's recommendation.

16. **Resolution 19-06**. Resolution awarding the bid for the purchase of one haul truck.

Mr. Galvan made a motion to award the bid for the purchase of the haul truck to Caldwell Country Ford in the amount of $50,271. Mr. Barrera seconded. All voted in favor. Ms. Serrato also recommended using general funds to purchase the truck rather than bond funds. She explained that if purchased with bond funds, the truck will need to be purchased back at the blue book value at the time it is returned to regular use. It would not be depreciated, it would be valued based on blue book value. The board agreed to purchase the vehicle with general funds.

17. Bids for construction of an equipment barn.

Ms. Serrato stated that the FY 2019 budget included $50,000 for the equipment barn. Mr. Yruegas received five quotes with the least expensive being William Pope Construction at a cost of $44,600. She added that this company performed the work on the Kingsville Pump Station after the first contractor was not able to do the job and was able to complete it satisfactorily at $15,000 less than quoted by the original contractor. The bids were requested on an equipment barn designed to have three 20-foot bays on a concrete slab. Mr. Galvan asked about only covering two sides in order to make it a drive thru barn for quicker loading and unloading. He also suggested buying the material and having field staff build it. Ms. Serrato responded that constructing the building in-house was considered but field staff is not comfortable with constructing the building. Mr. Galvan presented quotes on material for various sized buildings

ranging in cost from $16,932 to $40,776 but without a concrete slab. Ms. Serrato responded that the presented quotes include a concrete slab and that measurements would be needed to make sure enough space is available without interfering with the location of existing waterlines. She added that a drive thru may require moving waterlines or taking out the existing shed and checking to see if a tie in to the concrete is possible. She also stated that it is very likely that there could be issues with workers compensation coverage since the field personnel are rated for waterworks and not construction work. She also recommended against breaking up the project by purchasing the materials and then bidding out construction because it can give the impression that STWA is not following the regulations for advertising and bidding out projects.

Other members voiced their opinions about constructing a building that would be large enough to accommodate all current equipment and future needs. Ms. Serrato responded that the design would be discussed further with field personnel and she would present additional options to the Board. Dr. Ruiz also stated that he wanted to make sure field staff voice their opinion on what is needed and if it turns out to be more that what is budgeted, the money should be found for it so that they are comfortable with the final outcome. Ms. Serrato responded that she has been asking for field personnel's input from the onset of the project.

18. **Resolution 19-07.** Resolution awarding the bid for construction of an equipment barn.

No action was taken on Resolution 19-07.

19. Petition for Addition of Certain Lands to the South Texas Water Authority and setting of public hearing date, time and place (Ryan M. Esquivel and Tabitha F. Esquivel – The north east half of Tract 14, the south west half of Tract 14, all of Tract 15, all of Tract 16 and the north east half of Tract 17 of Cyndie Park Unit 2, Nueces County, Texas).

Although this annexation petition was presented at the January 22nd Board meeting, it was presented again because the wrong wording was used in the resolution listed on the January 22nd agenda. Ms. Serrato explained that Ryan M. Esquivel and Tabitha F. Esquivel approached the Nueces Water Supply Corporation requesting service outside of the Authority's district boundaries as a result of a project to extend water service to the Cyndie Park area. As in the past, the process has been for the property owner to request annexation into the district. In this manner, all of NWSC's retail customers are paying the same rates including being taxed by STWA. NWSC does not have out of district rates. If Resolution 19-08 is approved as presented, the Public Hearing will be held on March 26, 2019 at 5:30 p.m. at the STWA conference room.

20. **Resolution 19-08.** Resolution of determination of validity of Petition for Addition of Certain Lands to the South Texas Water Authority and setting the date, time and place for a public hearing and authorizing publication of public hearing notice.

Ms. Rodgers made a motion to adopt Resolution 19-08 setting the Public Hearing on March 26, 2019 at 5:30 p.m. at the STWA conference room and authorizing publication of the public hearing notice. The motion was seconded by Mr. Treviño and passed unanimously.

21. Petition for Addition of Certain Lands to the South Texas Water Authority and setting of public hearing date, time and place (Roland Gonzalez – Tract Forty-Four (44), Cyndie Park Unit 2, Nueces County, Texas and the adjoining one-half of Tract Forty-Three (43), Cyndie Park Unit 2, Nueces County, Texas.

Ms. Serrato stated that Roland Gonzalez has approached the Nueces Water Supply Corporation requesting service outside of the Authority's district boundaries as a result of a project to extend water service to the Cyndie Park area. As in the past, the process has been for the property owner to request annexation into the district. In this manner, all of NWSC's retail customers are paying the same rates including being taxed by STWA. NWSC does not have out of district rates. Approval of Resolution 19-09 will set the Public Hearing to be held on March 26, 2019 at 5:30 p.m. at the STWA conference room.

22. **Resolution 19-09**. Resolution of determination of validity of Petition for Addition of Certain Lands to the South Texas Water Authority and setting the date, time and place for a public hearing and authorizing publication of public hearing notice.

Ms. Rodgers made a motion to adopt Resolution 19-09 setting the Public Hearing on March 26, 2019 at 5:30 p.m. at the STWA conference room and authorizing publication of the public hearing notice. The motion was seconded by Mr. Treviño and passed unanimously.

23. Chloramine Booster Station – Kingsville Pump Station for Ricardo WSC 12-inch waterline.

Ms. Serrato stated that TCEQ personnel recently conducted a visit regarding disinfection byproducts and operation of the Ricardo and Nueces Water Supply Corporation disinfection systems. During that visit, they mentioned that there should be a booster station for the Ricardo 12" waterline. She explained that there is an issue with moving water down the 42" waterline and having a residual when it arrives to Ricardo's line. She added that STWA has the responsibility to deliver water with the required residual. She asked authorization to begin researching the process of checking with TCEQ, engineers, legal counsel and vendors about the installation requirements, estimated cost and bidding requirements. She said the expense would most likely fall into the FY 2020 budget. The Board agreed by consensus to have Ms. Serrato begin researching the process for a chloramine booster station as a STWA project.

24. **Resolution 19-10**. A resolution honoring Con Mims, Nueces River Authority Executive Director, for his service in the protection and development of water resources for the Coastal Bend and the State of Texas.

Ms. Serrato recommended adoption of Resolution 19-10 in honor of Con Mims, Nueces River Authority Executive Director who will be retiring. Dr. Ruiz made a motion to adopt Resolution 19-10. The motion was seconded by Ms. Rodgers and passed by unanimous vote.

25. Interlocal Agreement between Harris County Department of Education and South Texas Water Authority for Choice Partners Cooperative.

Ms. Serrato presented an Interlocal Agreement with Harris County Department of Education for participation in the Choice Partners Cooperative. She said this cooperative is similar to BuyBoard, HGAC and GoodBuy cooperatives and provides more options for competitive pricing. Choice Partners also includes vendors outside of Texas. There is no cost to become a member. Ms. Serrato requested authorization to execute the Interlocal Agreement. Mr. Galvan made a motion to authorize execution of the Interlocal Agreement with Harris County Department of Education for participation in the Choice Partners Cooperative. Mr. Treviño seconded. All voted in favor.

26. Petition for Addition of Certain Lands to the South Texas Water Authority and setting of public hearing date, time and place (Patricios Riojas, III and Angel Gonzales Riojas – Tract One (1), Cyndie Park Unit 2, Nueces County, Texas.

Ms. Serrato presented an Annexation Petition from Patricios Riojas, III and Angel Gonzales Riojas who have approached the Nueces Water Supply Corporation requesting service outside of the Authority's district boundaries as a result of a project to extend water service to the Cyndie Park area. The same process will be followed as other property owners to requesting annexation into the district. Since NWSC does not have out of district rates, the process assures that all of NWSC's retail customers are paying the same rates including being taxed by STWA. Approval of Resolution 19-11 will set the Public Hearing on March 26, 2019 at 5:30 p.m. at the STWA conference room.

27. **Resolution 19-11.** Resolution of determination of validity of Petition for Addition of Certain Lands to the South Texas Water Authority and setting the date, time and place for a public hearing and authorizing publication of public hearing notice.

Ms. Rodgers made a motion to adopt Resolution 19-11 setting the Public Hearing on March 26, 2019 at 5:30 p.m. at the STWA conference room and authorizing publication of the public hearing notice. The motion was seconded by Mr. Treviño and passed unanimously.

28. Adjournment.

With no further business to discuss, Ms. Lowman adjourned the meeting at 6:42 p.m.

Respectfully submitted,

Frances De Leon

Frances De Leon
Assistant Secretary

ATTACHMENT 2

Treasurer's Report/Payment of Bills

SOUTH TEXAS WATER AUTHORITY
Treasurer's Report
For Period Ending February 28, 2019

STWA Water Sales:

Entity	Water Usage (1,000 g)	Cost of Water from City of Corpus Christi $2.562148 per 1000 g	Handling Charge @ $0.426386/1000g	Incremental Increase @ $0.426386/1000g	Out of District Surcharge and Pass-Thru Credit	Total Due
Kingsville	10,005	$25,634.29	$4,265.99	$0.00	$0.00	$29,900.28
Bishop	0	$0.00	$0.00	$0.00	$0.00	$0.00
Agua Dulce	1,844	$4,723.52	$786.08	$0.00	$0.00	$5,509.60
RWSC	6,812	$17,453.35	$2,904.54	$0.00	$0.00	$20,357.89
Driscoll	3,437	$8,805.59	$1,465.40	$1,465.40	$0.00	$11,736.40
NCWCID #5	1,639	$4,198.21	$698.65	$698.65	$776.49	$6,372.01
NWSC	12,359	$31,666.56	$5,269.87	$0.00	$0.00	$36,936.43
TOTAL	36,095	$92,481.53	$15,390.53	$2,164.06	$776.49	$110,812.61

Water Cost and Usage for Period of:	**01/31/19**	**to**	**02/28/19**
City of Corpus Christi Invoice for Cost of Water Purchased:			$87,625.45
Gallons of Water Recorded by City of Corpus Christi:			34,200,000
Gallons of Water Recorded by STWA from Customer's Master Meters:			36,095,310
Water Loss Percentage:			-5.54%

Annual Usage for FY 2019	**Annual**
Gallons of Water Recorded by City of Corpus Christi:	182,200,000
Gallons of Water Recorded by STWA from Customer's Master Meters:	200,493,410
Water Loss Percentage: (year to date)	-10.04%

REVENUE FUND
INCOME STATEMENT
FOR PERIOD ENDING FEBRUARY 28, 2019

40.83%

	MONTHLY	YEAR TO DATE	2019 ADOPTED BUDGET	% OF 2019 ADOPTED BUDGET	2018 YEAR TO DATE	2018 FINAL BUDGET
REVENUES						
Water Service Revenue	92,482	492,490	1,366,000	36%	480,053	1,330,515
Handling Charge Revenue	15,391	85,488	221,255	39%	87,017	238,500
Premium Incremental Increase	2,164	15,066	20,000	75%	12,584	46,600
Surcharge - Out of District	608	3,041	7,299	42%	2,758	6,619
Interest Income	5,275	22,381	37,000	60%	9,247	33,000
Other Revenue						
Operating & Maintenance Fees	0	0	0	0%	0	0
Miscellaneous Revenues	855	5,331	5,000	107%	1,214	29,350
TOTAL REVENUES	116,774	623,796	1,656,554	38%	592,873	1,684,584
EXPENDITURES						
Water Service Expenditures:						
Bulk Water Purchases	87,625	447,743	1,366,000	33%	457,994	1,330,515
Payroll Costs						
Salaries & Wages - Perm. Employees	21,583	131,745	329,340	40%	127,274	317,342
Salaries & Wages - Part-Time	91	462	1,677	28%	637	1,375
Overtime - NWSC	0	0	0	0%	114	0
Stand-by Pay - NWSC	0	0	0	0%	0	0
Overtime - RWSC	0	1	0	0%	0	0
Stand-by Pay - RWSC	0	0	0	0%	0	0
Overtime - STWA	1,162	7,311	21,000	35%	7,472	19,300
Stand-by Pay - STWA	100	500	1,300	38%	500	1,300
Employee Retirement Premiums	2,866	19,175	44,959	43%	18,511	52,561
Group Insurance Premium	13,553	68,411	169,292	40%	67,047	162,178
Unemployment Compensation	372	418	1,034	40%	853	1,300
Workers' Compensation	(666)	7,228	6,841	106%	5,472	6,004
Car Allowance	500	2,500	6,000	42%	2,400	5,900
Hospital Insurance Tax	275	1,296	3,817	34%	1,295	3,728
Supplies & Materials	0					
Repairs & Maintenance	274	28,597	80,000	36%	28,064	120,000
Meter Expense	0	2,350	5,000	47%	3,375	12,525
Tank Repairs	0	0	25,000	0%	4,300	26,140
Major Repairs	0	0	25,000	0%	0	25,000
Other Operating Expenditures:	0					
Professional Fees	0					
Legal	563	8,826	30,000	29%	4,295	11,500
Auditing	0	9,503	9,750	97%	9,369	9,370
Engineering	0	2,368	12,500	19%	49,846	70,000
Management & Consulting	0	1,085	7,500	14%	278	3,500
Inspection	0	1,900	4,000	48%	2,725	2,725
Leak Detection	0	0	0	0%	55,440	55,440
Banquete Overhead Tank Demolition	0	0	30,000	0%	0	0
Consum Supplies/Materials	0					
Postage	751	5,332	6,500	82%	2,504	6,500
Printing/Office Supplies	1,947	8,504	27,500	31%	12,655	26,500
Janitorial/Site Maintenance	615	1,769	6,000	29%	2,476	6,000
Fuel/Lubricants/Repairs	3,064	22,574	34,000	66%	11,536	35,000
Chemicals/Water Samples	4,260	15,152	52,500	29%	18,239	58,000
Safety Equipment	32	1,512	1,500	101%	0	1,500
Small Tools	84	578	2,000	29%	761	2,500
	0					

	MONTHLY	YEAR TO DATE	2019 ADOPTED BUDGET	% OF 2019 ADOPTED BUDGET	2018 YEAR TO DATE	2018 FINAL BUDGET
Recurring Operating Costs	0					
Telephone/Communications	2,055	8,720	20,654	42%	8,329	23,500
Utilities	7,205	30,973	112,500	28%	35,118	97,600
D & O Liability Insurance	67	1,281	3,500	37%	1,164	2,000
Property Insurance	0	47,292	30,000	158%	19,229	29,500
General Liability	0	1,919	2,750	70%	1,617	2,750
Auto Insurance	0	2,219	2,050	108%	2,050	2,051
Travel/Training/Meetings	1,371	2,438	10,000	24%	2,209	9,000
Rental-Equipment/Uniforms	422	1,278	5,000	26%	1,744	5,000
Dues/Subscriptions/Publication	1,083	6,749	15,000	45%	3,442	12,500
Pass Through Cost	0	1	600	0%	239	800
Educational Materials	0	0	0	0%	0	0
Miscellaneous						
Miscellaneous Expenditures	228	3,384	7,500	45%	2,568	6,200
Total Administrative & Operations Exp.	151,482	903,096	2,519,564	36%	973,141	2,564,604
Capital Outlay						
Capital Acquisition	1,950	97,367	240,400	41%	87,259	88,760
Engineering	0	0	0	0%	0	11,625
TOTAL EXPENDITURES (w/o D.S. exp.)	153,432	1,000,463	2,759,964	36%	1,060,400	2,664,989
Excess (Deficiencies) of Revenue Over Expenditures	(36,658)	(376,667)	(1,103,410)	34%	(467,527)	(980,405)
OTHER FINANCE SOURCE (USES)						
Transfer to Other Funds						
Transfer from Tax Account	0	(424,533)	(1,238,343)	34%	(804,228)	(1,086,140)
Extra Ordinary Income	0	0	0	0%	0	(24,257)
Disposition of Assets (Surplus Sale)	0	0	(1,500)	0%	(3,152)	0
TOTAL OTHER FINANCING SOURCES (USES)	0	(424,533)	(1,239,843)	34%	(807,380)	(1,110,397)
EXCESS (DEFICIENCES) OF REVENUES OVER OTHER SOURCES (USES)	(36,658)	47,866	136,433		339,853	129,992
NET INCOME	(36,658)	47,866	136,433		339,853	129,992

TAX FUND
INCOME STATEMENT
FOR PERIOD ENDING FEBRUARY 28, 2019

40.83%

	MONTHLY	YEAR TO DATE	2019 ADOPTED BUDGET	% OF 2019 ADOPTED BUDGET	2018 YEAR TO DATE	2018 FINAL BUDGET
REVENUES						
Ad-Valorem - Current	279,256	1,204,798	1,257,158	80%	1,007,260	1,083,000
Delinquent Tax Revenue	2,191	14,275	27,500	60%	16,491	38,000
Penalty & Interest - Tax Accounts	2,379	8,499	16,000	56%	8,911	22,600
Miscellaneous	0	94	0	0%	0	0
TOTAL TAXES & INTEREST	283,826	1,227,665	1,300,658	79%	1,032,662	1,143,600
EXPENDITURES						
Tax Collector Fees	3,692	46,122	38,597	86%	33,283	36,575
Appraisal Districts	5,717	11,433	23,718	21%	5,084	20,885
TOTAL EXPENDITURES	9,409	57,555	62,315	62%	38,367	57,460
Transfer to General Fund	0	424,533	1,238,343	65%	804,228	1,086,140
EXCESS REVENUES & OTHER FINANCING SOURCES OVER(UNDER) EXPENDITURES AND OTHER USES	274,417	745,577	0		190,067	0

SPECIAL SERVICES
INCOME STATEMENT
FOR PERIOD ENDING FEBRUARY 28, 2019

40.83%

	MONTHLY	YEAR TO DATE	2019 ADOPTED BUDGET	% OF 2019 ADOPTED BUDGET	2018 YEAR TO DATE	2018 FINAL BUDGET
REVENUES						
Ricardo Water Supply Corporation	23,528	112,231	302,824	37%	99,875	283,605
Nueces Water Supply Corporation	23,507	102,682	285,529	36%	97,874	266,294
TOTAL REVENUES	47,035	214,913	588,353	37%	197,749	549,899
EXPENDITURES						
Personnel	22,277	125,196	319,559	39%	121,945	292,673
Overhead	21,215	121,288	268,794	45%	101,854	257,225
TOTAL EXPENDITURES	43,493	246,484	588,353	42%	223,799	549,898
EXCESS REVENUES & OTHER FINANCING SOURCES OVER(UNDER) EXPENDITURES AND OTHER USES	3,542	(31,571)	0		(26,050)	1

South Texas Water Authority
Balance Sheet
February 28, 2019

ASSETS

Current Assets			
STWA - General	$	60,120.64	
STWA - Payroll		37,059.96	
STWA - Operations		43,682.83	
Petty Cash		150.00	
TexPool - STWA General		2,955,654.19	
Due From Capital Projects Fund		18,640.07	
Due from Debt Service Fund		118.64	
Due from D.S .-Collect Service		6,655.01	
Tax Accounts Receivable		154,713.31	
Allowance for Uncollect Taxes		(66,653.05)	
Service accts receivable		208,097.60	
Interlocal Rec-Bishop		2,149.61	
Interlocal Rec-Ricardo		7,925.41	
Interlocal Rec-Nueces		8,775.00	
Interlocal Rec. - Tax Assessor		9,139.97	
Inventory		21,484.50	
Total Assets			**$ 3,467,713.69**

LIABILITIES AND FUNDS EQUITY

Current Liabilities			
Trade Accounts Payable	$	112,681.76	
Salaries & Wages Payable		25,123.80	
Unemployment Comp. Pbl.		849.83	
Miscellaneous Payables		780.05	
Compensated Absences		19,571.30	
Deferred tax revenue		88,060.26	
Due to Debt Service Fund		336.50	
Total Liabilities			**247,403.50**
Fund Equity			
Unassigned Fund Balance		2,440,600.18	
Assigned Fund Bal. - Inventory		17,836.50	
Current Earning		761,873.51	
Total Fund Equity			**3,220,310.19**
Total Liabilities & Fund Equity			**$ 3,467,713.69**

South Texas Water Authority
GI Account Summary Report
As of: February 28, 2019

Account Description	Beginning Balance	Debit Change	Credit Change	Net Change	Ending Balance
Current Assets					
STWA - General	206,680.42	$ 154,806.65	$ (301,366.43)	$ (146,559.78)	$ 60,120.64
STWA - Payroll	20,755.55	50,011.24	(33,706.83)	16,304.41	37,059.96
STWA - Operations	17,841.11	50,017.20	(24,175.48)	25,841.72	43,682.83
Petty Cash	150.00	0.00	0.00	0.00	150.00
Transfers	0.00	100,000.00	(100,000.00)	0.00	0.00
TexPool - STWA General	2,539,577.84	416,076.35	0.00	416,076.35	2,955,654.19
Due From Capital Projects Fund	9,236.26	9,403.81	0.00	9,403.81	18,640.07
Due from Debt Service Fund	96.78	21.86	0.00	21.86	118.64
Due from D.S .-Collect Service	4,052.59	2,602.42	0.00	2,602.42	6,655.01
Tax Accounts Receivable	154,713.31	0.00	0.00	0.00	154,713.31
Allowance for Uncollect Taxes	(66,653.05)	0.00	0.00	0.00	(66,653.05)
Service accts receivable	189,714.82	141,147.06	(122,764.28)	18,382.78	208,097.60
Interlocal Rec-Bishop	1,463.56	686.05	0.00	686.05	2,149.61
Interlocal Rec-Ricardo	16,998.90	7,925.41	(16,998.90)	(9,073.49)	7,925.41
Interlocal Rec-Nueces	14,969.55	8,775.00	(14,969.55)	(6,194.55)	8,775.00
Interlocal Rec. - Tax Assessor	136,070.74	9,139.97	(136,070.74)	(126,930.77)	9,139.97
Inventory	17,836.50	3,648.00	0.00	3,648.00	21,484.50
Total Assets	**3,263,504.88**	**954,261.02**	**(750,052.21)**	**204,208.81**	**3,467,713.69**
Current Liabilities					
Trade Accounts Payable	(148,328.61)	200,451.25	(164,804.40)	35,646.85	(112,681.76)
Salaries & Wages Payable	(27,300.80)	27,300.80	(25,123.80)	2,177.00	(25,123.80)
Hospital Ins Tax Payable	0.00	1,343.53	(1,343.53)	0.00	0.00
Withholding Taxes Payable	0.00	4,272.93	(4,272.93)	0.00	0.00
Emply Retire Prem Payable	0.00	11,323.92	(11,323.92)	0.00	0.00
Unemployment Comp. Pbl.	(449.18)	0.00	(400.65)	(400.65)	(849.83)
Miscellaneous Payables	(618.66)	9,555.27	(9,716.66)	(161.39)	(780.05)
Compensated Absences	(19,571.30)	0.00	0.00	0.00	(19,571.30)
Deferred tax revenue	(88,060.26)	0.00	0.00	0.00	(88,060.26)
Due to Debt Service Fund	(168.25)	0.00	(168.25)	(168.25)	(336.50)
Total Liabilities	**(284,497.06)**	**254,247.70**	**(217,154.14)**	**37,093.56**	**(247,403.50)**
Fund Equity					
Unassigned Fund Balance	(2,440,600.18)	0.00	0.00	0.00	(2,440,600.18)
Assigned Fund Bal. - Inventory	(17,836.50)	0.00	0.00	0.00	(17,836.50)
Total Fund Equity	**(2,458,436.68)**	**0.00**	**0.00**	**0.00**	**(2,458,436.68)**
Totals	**520,571.14**	**$ 1,208,508.72**	**$ (967,206.35)**	**$ 241,302.37**	**$ 761,873.51**

DEBT SERVICE FUND
INCOME STATEMENT
FOR PERIOD ENDING FEBRUARY 28, 2019

40.83%

	MONTHLY	YEAR TO DATE	2019 ADOPTED BUDGET	% OF 2019 ADOPTED BUDGET	2018 YEAR TO DATE	2018 FINAL BUDGET
REVENUES						
Ad-Valorem - Current	77,246	333,267	364,889	91%	328,514	353,210
Delinquent Tax Revenue	707	4,394	7,000	63%	5,266	12,125
Penalty & Interest - Tax Accounts	675	2,043	5,500	37%	2,515	6,500
Out-of-District Surcharge	168	841	2,019	42%	899	2,159
Intererest on Temporary Investments	536	1,393	3,250	43%	753	3,550
Miscellaneous	0	0	0	0%	0	0
TOTAL TAXES & INTEREST	79,332	341,939	382,658	89%	337,947	377,544
OTHER FINANCING SOURCES						
Excess Bond Proceeds	0	0	0	0%	0	0
TOTAL OTHER FINANCE SOURCES	0	0	0		0	377,544
TOTAL REVENUE AND OTHER FINANCE SOURCES	79,332	341,939	382,658	89%	337,947	377,544
EXPENDITURES						
Fiscal Agent Fees	100	100	200	50%	100	200
Bond Interest Expense	61,175	61,175	122,350	50%	63,375	126,750
Bond Principal Payments	0	0	225,000	0%	0	220,000
Tax Collector Fees	1,021	12,758	10,739	119%	10,908	11,966
Appraisal District Fees	1,581	3,162	6,600	48%	1,821	6,836
Miscellaneous	0	0	0	0%	0	0
TOTAL EXPENDITURES	63,877	77,195	364,889	21%	76,204	365,752
EXCESS REVENUES OVER(UNDER) EXPENDITURES AND OTHER USES	15,454	264,744	17,769		261,743	11,792

STWA Debt Service Fund
Balance Sheet
February 28, 2019

ASSETS

Current Assets			
Debt Service Acct. - TexPool	$	303,612.16	
Due from General		336.50	
Interlocal Rec.-Tax Assessors		2,560.49	
Taxes Receivable		50,811.55	
Allowance for Uncollectibles		(8,581.46)	
Total Current Assets			**348,739.24**
Other Assets			
Total Other Assets			**0.00**
Total Assets			**$ 348,739.24**

LIABILITIES AND FUNDS EQUITY

Current Liabilities			
Deferred Tax Revenue	$	42,230.09	
Due to General Fund		6,773.66	
Total Current Liabilities			**49,003.75**
Long-Term Liabilities			
Total Long-Term Liabilities			**0.00**
Total Liabilities			**49,003.75**
Funds Equity			
Fund Balance		34,991.97	
Net Income		264,743.52	
Total Funds Equity			**299,735.49**
Total Liabilities & Funds Equity			**$ 348,739.24**

STWA Debt Service Fund
GI Account Summary Report
As of: February 28, 2019

Account Number	Account Description	Beginning Balance	Debit Change	Credit Change	Net Change	Ending Balance
10400	Debt Service Acct. - TexPool	250,642.99	$ 114,244.17	$ (61,275.00)	$ 52,969.17	$ 303,612.16
12200	Due from General	168.25	168.25	0.00	168.25	336.50
13001	Interlocal Rec.-Tax Assessor	37,619.36	2,560.49	(37,619.36)	(35,058.87)	2,560.49
13300	Taxes Receivable	50,811.55	0.00	0.00	0.00	50,811.55
13301	Allowance for Uncollectibles	(8,581.46)	0.00	0.00	0.00	(8,581.46)
21700	Deferred Tax Revenue	(42,230.09)	0.00	0.00	0.00	(42,230.09)
24000	Due to General Fund	(4,149.38)	0.00	(2,624.28)	(2,624.28)	(6,773.66)
39100	Fund Balance	(34,991.97)	0.00	0.00	0.00	(34,991.97)
	Totals	249,289.25	$ 116,972.91	$ (101,518.64)	$ 15,454.27	$ 264,743.52

CAPITAL PROJECTS FUND
INCOME STATEMENT
FOR PERIOD ENDING FEBRUARY 28, 2019

40.83%

	MONTHLY	YEAR TO DATE	2019 ADOPTED BUDGET	% OF 2019 ADOPTED BUDGET	2018 YEAR TO DATE	2018 FINAL BUDGET
REVENUES						
Bond Proceeds	0	0	0	0%	0	0
Interest Income	1,805	9,669	17,500	55%	6,470	17,300
TOTAL REVENUE AND OTHER FINANCE SOURCES	1,805	9,669	17,500	55%	6,470	17,300
EXPENDITURES						
Right of Way Acquisition	0	0	7,264	0%	0	0
Engineering Fees	0	0	245,594	0%	4,500	5,400
Construction Costs				0%	193,887	228,484
a) 42" Line-Cathodic Protection	9,404	36,637	305,977	18%	0	0
Pipeline Condition Assessment	0	0	199,395	0%	0	0
Legal & Administrative Fees	0	0	181,712	0%	0	0
Cost of Bond Issuance	0	0	0	0%	0	0
Miscellaneous Fees	0	0	0	0%	0	0
TOTAL EXPENDITURES	9,404	36,637	939,942	4%	198,387	233,884
EXCESS REVENUES OVER(UNDER) EXPENDITURES AND OTHER USES	(7,599)	(26,968)	(922,442)		(191,916)	(216,584)

CATHODIC PROTECTION
FY2019

	Payroll	Materials	Total	
October 2018	$3,950.61	$1,914.11	$5,864.72	Due from Capital Projects Fund
November 2018	$4,716.62	$4,482.98	$9,199.60	Due from Capital Projects Fund
December 2018	$4,715.54	$131.12	$4,846.66	Due from Capital Projects Fund
January 2019	$8,156.79	$1,079.47	$9,236.26	Due from Capital Projects Fund
February 2019	$9,022.22	$381.59	$9,403.81	Due from Capital Projects Fund
	$30,561.78	$7,989.27	$38,551.05	

Payroll Costs - CP Tech #1

	October 2018	November 2018	December 2018	January 2019	February 2019
Payroll	$2,660.00	$3,200.00	$3,200.00	$4,800.00	$3,260.00
Medicare	$38.57	$46.40	$46.40	$69.60	$47.27
Retirement	$199.50	$240.00	$240.00	$360.00	$244.50
Worker's Comp	$98.08	$117.99	$117.99	$176.98	$120.20
Texas Workforce	$24.00	$57.60	$56.52	$86.40	$3.26
Health	$930.46	$1,014.28	$1,014.28	$1,014.28	$1,014.28
LTD/ADD/Life	$0.00	$40.35	$40.35	$40.35	$40.35
Total	$3,950.61	$4,716.62	$4,715.54	$6,547.61	$4,729.86

Payroll Costs - CP Tech #2

	October 2018	November 2018	December 2018	January 2019	February 2019
Payroll	$0.00	$0.00	$0.00	$1,152.00	$2,880.00
Medicare	$0.00	$0.00	$0.00	$16.36	$41.76
Retirement	$0.00	$0.00	$0.00	$84.62	$216.00
Worker's Comp	$0.00	$0.00	$0.00	$42.48	$106.19
Texas Workforce	$0.00	$0.00	$0.00	$10.15	$2.88
Health	$0.00	$0.00	$0.00	$294.48	$1,014.28
LTD/ADD/Life	$0.00	$0.00	$0.00	$9.09	$31.25
Total	$0.00	$0.00	$0.00	$1,609.18	$4,292.36

Account	Account Description	Date	Reference	Jrnl	Trans Description	Debit Amt	Credit Amt	Balance
52101	Repairs & Maint-42" line	10/1/18			Beginning Balance			
52101	Repairs & Maint-42" line	10/15/18	6296006	PJ	FERGUSON ENTERPRISES, INC #61 - MASTIC	277.50		
52101	Repairs & Maint-42" line	10/19/18	9940219042	PJ	W. W. Grainger, Inc. - AIR CHISEL SCALER, MULTIMETER	730.26		
52101	Repairs & Maint-42" line	10/23/18	121102	PJ	CITIBANK CORPORATE CARD - WIRE DISPENSER, WIRE, ELECTRODE, CU-SULFATE	441.35		
52101	Repairs & Maint-42" line	10/23/18	9943313024	PJ	W. W. Grainger, Inc. - chisel	11.07		
52101	Repairs & Maint-42" line	10/26/18	608959	PJ	CITIBANK CORPORATE CARD - Harbor Freight Tools CP	46.38		
52101	Repairs & Maint-42" line	10/26/18	S100193768.001	PJ	CORPUS CHRISTI ELECT. CO - Splice kit, wire, tape etc.	407.55		
52101	Repairs & Maint-42" line				Current Period Change	1,914.11		1,914.11
		10/31/18			Ending Balance			1,914.11

Account	Account Description	Date	Reference	Jrnl	Trans Description	Debit Amt	Credit Amt	Balance
52101	Repairs & Maint-42" line	11/1/18			Beginning Balance			
52101	Repairs & Maint-42" line	11/5/18	S100195733.001	PJ	CORPUS CHRISTI ELECT. CO - Fuso- CP Rectifiers	152.20		
52101	Repairs & Maint-42" line	11/6/18	8536808	PJ	CITIBANK CORPORATE CARD - CP Supplies- Tools and Accessories	370.02		
52101	Repairs & Maint-42" line	11/7/18	9958831282	PJ	W. W. Grainger, Inc. - Canvas Cover	164.69		
52101	Repairs & Maint-42" line	11/8/18	10650443	PJ	McCOY'S BUILDING SUPPLY CENTER - CP Supplies	15.48		
52101	Repairs & Maint-42" line	11/9/18	2786209	PJ	LOWE'S BUSINESS ACCOUNT - shoval, tarp straps, ratchet bag, ladder	272.54		
52101	Repairs & Maint-42" line	11/16/18	6380664	PJ	LOWE'S BUSINESS ACCOUNT - Test leads	15.19		
52101	Repairs & Maint-42" line	11/19/18	10650786	PJ	McCOY'S BUILDING SUPPLY CENTER - Foggor and screws-	18.32		
52101	Repairs & Maint-42" line	11/28/18	05435	PJ	LOWE'S BUSINESS ACCOUNT - Cord Storage and Plastic Clamps CP	9.85		
	Thompson Pipe Grinders	11/16/18				1,083.60		
	Corrpro Companies	11/26/18				466.98		
	Repairs & Maint-42" line				Current Period Change	2,568.87		2,568.87
		11/30/18			Ending Balance			4,482.98

Account	Account Description	Date	Reference	Jrnl	Trans Description	Debit Amt	Credit Amt	Balance
52101	Repairs & Maint-42" line	12/1/18			Beginning Balance			
52101	Repairs & Maint-42" line	12/6/18	05402	PJ	LOWE'S BUSINESS ACCOUNT - CP - Tools	50.27		
52101	Repairs & Maint-42" line	12/10/18	0592-303691	PJ	O'REILLY AUTO SUPPLY - Filter Wrench -CP use	11.99		
52101	Repairs & Maint-42" line	12/21/18	0592-305470	PJ	O'REILLY AUTO SUPPLY - track hoe items	47.99		
52101	Repairs & Maint-42" line	12/27/18	06328	PJ	LOWE'S BUSINESS ACCOUNT - CP TOOLS	20.87		
52101	Repairs & Maint-42" line				Current Period Change	131.12		131.12
		12/31/18			Ending Balance			4,614.10

Account	Account Description	Date	Reference	Jrnl	Trans Description	Debit Amt	Credit Amt	Balance
52101	Repairs & Maint-42" line	1/1/19			Beginning Balance			
52101	Repairs & Maint-42" line	1/2/19	010105	PJ	CITIBANK CORPORATE CARD - Kubota L3901 Tractor with loader Rental	525.00		
52101	Repairs & Maint-42" line	1/11/19	01-11-19	PJ	Petty Cash - CP - CC Electronics - clips	31.00		
52101	Repairs & Maint-42" line	1/15/19	05141	PJ	LOWE'S BUSINESS ACCOUNT - CP washer bolts Nuts, and tool box	74.97		
52101	Repairs & Maint-42" line	1/21/19	0592-309884	PJ	O'REILLY AUTO SUPPLY - Adapter- CP	14.99		
52101	Repairs & Maint-42" line	1/21/19	02779	PJ	LOWE'S BUSINESS ACCOUNT - TOOL BAGS MATERIALS	95.03		
52101	Repairs & Maint-42" line	1/23/19	87290634	PJ	PRAXAIR DISTRIBUTION INC - Welder's helmet	239.95		
52101	Repairs & Maint-42" line	1/24/19	35767	PJ	CITIBANK CORPORATE CARD - tools- bolts, gang blank cover	62.55		
52101	Repairs & Maint-42" line	1/28/19	0592-311134	PJ	O'REILLY AUTO SUPPLY - Battery charger	35.98		
52101	Repairs & Maint-42" line				Current Period Change	1,079.47		1,079.47
		1/31/19			Ending Balance			5,693.57

Account	Account Description	Date	Reference	Jrnl	Trans Description	Debit Amt	Credit Amt	Balance
		2/1/19			Beginning Balance			
52101	Repairs & Maint-42" line	2/1/19	S100202542	PJ	CORPUS CHRISTI ELECT. CO - cathodic wire	351.00		
52101	Repairs & Maint-42" line	2/11/19	10653727	PJ	McCOY'S BUILDING SUPPLY CENTER - Masonry cement type S, marking spray	20.03		
52101	Repairs & Maint-42" line	2/26/19	10654249	PJ	McCOY'S BUILDING SUPPLY CENTER - winged wire nuts	10.56		
52101	Repairs & Maint-42" line				Current Period Change	381.59		381.59
					Ending Balance			6,075.16

STWA Capital Projects Fund
Balance Sheet
February 28, 2019

ASSETS

Current Assets		
TexSTAR - Construction Fund	$ 982,102.42	
Total Current Assets		982,102.42
Property and Equipment		
Total Property and Equipment		0.00
Other Assets		
Total Other Assets		0.00
Total Assets		$ 982,102.42

LIABILITIES AND FUNDS EQUITY

Current Liabilities		
Due to General Fund	$ 18,640.07	
Total Current Liabilities		18,640.07
Long-Term Liabilities		
Total Long-Term Liabilities		0.00
Total Liabilities		18,640.07
Fund Balance		
Fund Balance	990,430.19	
Net Income	(26,967.84)	
Total Fund Balance		963,462.35
Total Liabilities & Fund Balance		$ 982,102.42

STWA Capital Projects Fund
GI Account Summary Report
As of: February 28, 2019

Account Number	Account Description	Beginning Balance	Debit Change	Credit Change	Net Change	Ending Balance
11300	TexSTAR - Construction	980,297.55	$ 1,804.87	$ 0.00	$ 1,804.87	$ 982,102.42
2400	Due to General Fund	(9,236.26)	0.00	(9,403.81)	(9,403.81)	(18,640.07)
39100	Fund Balance	(990,430.19)	0.00	0.00	0.00	(990,430.19)
	Totals	(19,368.90)	$ 1,804.87	$ (9,403.81)	$ (7,598.94)	$ (26,967.84)

INV DATE	VENDOR	INV #	DESCRIPTION	STATUS	AMOUNT
2/28/2019	Willatt & Flickinger, PLLC		February legal	pending	$563.30
3/1/2019	Kleberg County Appraisal District		Quarterly payment	pending	$5,344.48
3/1/2019	Nueces County Appraisal District		Quarterly payment	pending	$1,953.00
3/6/2019	Kevin Kieschnick-NC Tax Assessor		February per parcel fees	pending	$4,713.16
3/8/2019	City of Corpus Christi		February water usage	pending	$87,625.45
					$100,199.39

SOUTH TEXAS WATER AUTHORITY
2012 BOND ELECTION

Cost of Bond Issuance:	**$107,386.40**	
Proposition #1: REGIONAL WATERLINE	**$1,900,000.00**	**36.54%**
Proposition #2: KINGSVILLE PUMP STATION	**$2,925,000.00**	**56.25%**
Proposition #3: BISHOP FACILITY	**$375,000.00**	**7.21%**
TOTAL BOND PROCEEDS:	**$5,307,386.40**	**100.00%**

Cost of Bond Issuance	
Financial Advisory Fee (First Southwest)	$30,385.00
Computer Structure Fee (for bidding securities)	$6,000.00
Bond Counsel - Leroy Grawunder (MP&H)	$39,000.00
Attorney General - State Fees and Review	$5,110.00
Standard & Poor's - Rating Agency	$11,000.00
Paying Agent - Bank processing bonds/paid semi annually	$200.00
Document Preparation/Printing	$5,000.00
Miscellaneous	$1,973.90
Accrued Interest - use to make first Debt Payment	$8,717.50
TOTAL Cost of Bond Issuance	$107,386.40

Proposition #1: REGIONAL WATERLINE
36.54%

	Engineer Estimate	Contract Amount	Percent Expended	Amount Expended	Amount Remaining
TOTAL PROPOSITION #1:	$1,900,000.00				
Construction: Lewis Construction		$1,035,100.00		$1,035,100.00	
Change Order #1		$4,320.85		$4,320.85	
Change Order #2		$30,815.17		$30,815.17	
Change Order #3		-$5,100.00		-$5,100.00	
Change Order #4		$13,954.16		$13,954.16	
		$1,079,090.18	100.00%	$1,079,090.18	
ROW Acquisition:		$60,541.31	100.00%	$60,541.31	
		$1,139,631.49		$1,139,631.49	$760,368.51
HDR Pipeline Condition Assessment		$105,900.00	100.00%	$105,900.00	
HDR LAS Booster -Driscoll		$71,100.00	100.00%	$71,100.00	
LAS Booster - Construction		$369,000.00			
Change Order #1		$45,586.84			
Change Order #2		$1,705.00			
Change Order #3		$10,650.00			
		$426,941.84	100.00%	$426,941.84	
Rock Engineering		$1,051.00		$1,051.00	
Rock Engineering		$2,026.00		$2,026.00	
				$430,018.84	
Non-Construction Related Costs:		$36,076.45	100.00%	$36,076.45	$0.00
TOTAL Proposition #1	$1,900,000.00	$1,782,726.78		$1,782,726.78	$117,273.22

Proposition #2: KINGSVILLE PUMP STATION
56.25%

	Engineer Estimate	Contract Amount	Percent Expended	Amount Expended	Amount Remaining
TOTAL PROPOSITION #2	$2,925,000.00				
ROW Acquisition:					
Construction Related Costs:	$2,242,000.00				
Ground Storage Tank - PreLoad		$1,248,602.55 *	100.00%	$1,206,897.95	
Final - Payment #8				$41,704.60	
				$1,248,602.55	-$1,248,602.55
New Pumps - ACP		$295,000.00		$295,000.00	
Change Order #1		$12,310.75		$12,310.75	
Odessa Pumps		$20,162.00		$20,162.00	
		$327,472.75	100.00%	$327,472.75	-$327,472.75
Emergency Generator		$123,586.38	100.00%	$123,586.39	-$123,586.39
Engineering Costs:	$560,500.00				
Engineering - GST*		$234,800.00	100.00%	$234,800.00	
Engineering - GST additional work by HDR		$48,000.00	100.00%	$48,000.00	
Engineering - Pump Station		$91,600.00	100.00%	$91,600.00	
Rock Engineering, Inc.				$1,121.00	
LNV - Generator		$30,000.00	100.00%	$30,000.00	
				$405,521.00	$154,979.00
Non-Construction Related Costs:	$122,500.00	$60,404.85		$60,404.85	$62,095.15
TOTAL Proposition #2	$2,925,000.00	$2,164,466.53		$2,165,587.54	$759,412.46

*Reduced by Change Order #1

Proposition #3: BISHOP FACILITY
7.21%

		Engineer Estimate	Contract Amount	Percent Expended	Amount Expended	Amount Remaining
Construction:	Mercer	$277,100.00	$109,900.00	100.00%	$117,596.50	$159,503.50
Change Order:	Painting building		$3,996.00			
	Change to WYE		$3,700.00			
			$117,596.00			
Construction Related Costs:		$69,300.00	$52,200.00	100.00%	$52,200.00	$17,100.00
LNV Engineering						
Non-Construction Related Costs:		$28,600.00	$13,330.35	100.00%	$13,330.35	$15,269.65
TOTAL Proposition #3		$375,000.00	$183,126.35		$183,126.85	$191,873.15
					TOTAL	**$1,068,558.83**

WILLATT & FLICKINGER, PLLC
ATTORNEYS AT LAW

12912 HILL COUNTRY BLVD., SUITE F-232 · AUSTIN, TEXAS 78738 · (512) 476-6604 · FAX (512) 469-9148

February 28, 2019

Ms. Carola Serrato
Executive Director
South Texas Water Authority
P.O. Box 1701
Kingsville, Texas 78364-1701

FOR PROFESSIONAL SERVICES RENDERED since the date of last billing:

GENERAL

BILL FLICKINGER

02/08/19 Telephone conference with Carola Serrato on status of response from City of Bishop on proposed License Agreement. (0.2 Hours).

02/11/19 Telephone conference with Carola Serrato on status of City of Bishop License Agreement. (0.2 Hours). Receive, review and respond to email from Carola Serrato with draft email to Bishop City Secretary on same. (0.2 Hours).

02/19/19 Telephone conference with Carola Serrato on next Board meeting. (0.2 Hours). Receive and review email from Carola Serrato to John Valls on status of City of Driscoll Water Supply Contract. (0.2 Hours).

02/21/19 Telephone conference with Carola Serrato on annexation petition and ownership as a result of divorce decree. (0.2 Hours).

02/23/19 Receive and review emails on construction in STWA easement near St. John's Lutheran Church. (0.2 Hours).

02/26/19 Telephone conference with Carola Serrato on recent email from City of Bishop's City Secretary on draft License Agreement. (0.2 Hours).

02/27/19 Telephone conference with Carola Serrato on last night's Board meeting and status of License Agreement with the City of Bishop. (0.2 Hours).

Attorney BF: 1.8 Hours

ALLISON NIX

02/05/19 Draft and send email to Carola Serrato regarding the Authority's Information Form previously submitted to the TCEQ. Receive and review her response to same. (0.2 Hours).

Legal Assistant AN: 0.2 Hours

Attorney BF: 1.8 Hours @ $300.00 per hour	$540.00
Attorney MM: 0 Hours @ $300.00 per hour	
Legal Assistant AN: 0.2 Hours @ $95.00 per hour	$19.00

CLIENT EXPENSES

9 Photocopies @ $.20 each	$1.80		
5 Color Photocopies @ $.50 each	$2.50		
		Total Client Expenses	$4.30
		TOTAL AMOUNT DUE	$563.30

WILLATT & FLICKINGER, PLLC
ATTORNEYS AT LAW

12912 HILL COUNTRY BLVD., SUITE F-232 · AUSTIN, TEXAS 78738 · (512) 476-6604 · FAX (512) 469-9148

February 28, 2019

VIA ELECTRONIC TRANSMISSION ONLY

Ms. Carola Serrato
Executive Director
South Texas Water Authority
P.O. Box 1701
Kingsville, Texas 78364-1701

Re: Billing for Professional Services Rendered

Dear Carola:

Enclosed is our bill for professional services rendered since the date of last billing for South Texas Water Authority.

Very truly yours,

Bill Flickinger

BF/sf
Enclosure

cc: Ms. Jo Ella Wagner (Via Email Only)

CITY OF CORPUS CHRISTI

Monthly Statement of Utility Services
City of Corpus Christi
P.O. Box 9257 • Corpus Christi, TX 78469-9257
(361) 826-CITY • www.cctexas.com

Account Name:	SOUTH TX WATER AUTH
Account Number:	20004093
Statement Date:	3/8/2019
Due Date:	3/29/2019
Page:	Page 1 of 2

SERVICE INFORMATION

Account Name: SOUTH TX WATER AUTH
Account Number: 20004093
Service Address: 0 END DR WTR5 RAW
Account Type: PA
Invoice Number: 2116274

QUESTIONS ABOUT YOUR BILL?

Customer Call Center
Monday - Friday:
7:00am - 6:00pm
(361) 826-CITY(2489)
WWW.CCTEXAS.COM

IMPORTANT MESSAGES

Got Spring Break Fever? Head to our beaches with family or friends! Purchase your BEACH PARKING PERMIT for ONLY $12.

For purchase locations, go to www.ccparkandrec.com (BEACHES).

ACCOUNT SUMMARY

PREVIOUS BALANCE	$81,402.45
TOTAL PAID SINCE LAST BILL	-$81,402.45
NEW CHARGES	
WATER	$52,980.85
RWCA $1.013/TGAL	$34,644.60
TOTAL WATER	$87,625.45
NEW CHARGES DUE BY 3/29/2019:	**$87,625.45**
AMOUNT DUE	**$87,625.45**

PLEASE ALLOW 5 BUSINESS DAYS BEFORE DUE DATE TO ENSURE PROPER CREDIT.

POSTED

0.00 ×

87,625.45 ÷
34,200. =
2.562148

KEEP TOP PORTION FOR YOUR RECORDS AND RETURN BOTTOM STUB WITH YOUR PAYMENT.

CITY OF CORPUS CHRISTI
P.O. Box 9257 • Corpus Christi, TX 78469-9257
(361) 826-CITY • www.cctexas.com

Working to Serve YOU Better.

Service Address: 0 END DR WTR5 RAW
Cycle-Route #: 01-60

Account Number	Due Date	Amount Due
20004093	3/29/2019	$87,625.45

AMOUNT DUE IF PAID AFTER 3/29/2019 $92,006.72

AMOUNT ENCLOSED $ _____

MAKE CHECKS PAYABLE TO: CITY OF CORPUS CHRISTI
When making payment in person, please bring this stub.

SOUTH TX WATER AUTH
P O BOX 1701
KINGSVILLE TX 78364-1701

CITY OF CORPUS CHRISTI
PO BOX 659880
SAN ANTONIO TX 78265-9143

2000409300876254 58

CITY OF CORPUS CHRISTI

Monthly Statement of Utility Services
City of Corpus Christi
P.O. Box 9257 • Corpus Christi, TX 78469-9257
(361) 826-CITY • www.cctexas.com

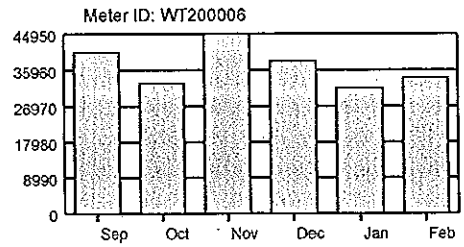
Account Name:	SOUTH TX WATER AUTH
Account Number:	20004093
Statement Date:	3/8/2019
Due Date:	3/29/2019
Page:	Page 2 of 2

METER INFORMATION

SERVICE PERIOD: 1/31/2019 - 2/28/2019 29 days

Meter ID	Service Type	Current Read	Previous Read	Consumption 2/28/2019
WT200006	WA	4631900	4597700	34200

CONSUMPTION HISTORY



Moving or Discontinuing your Services?
To stop or change utility services, please call Customer Call Center
(361) 826-CITY (2489)

~~~~~~~~~~~~~~~~~~~~~~~~~ ★ ~~~~~~~~~~~~~~~~~~~~~~~~~~~

PLEASE HELP US TO SERVE YOU BETTER

- DO NOT SEND CASH
- Sign your check or money order
- Write account number on your check
- Enclose your stub with your check
- No Staples, No Paper Clips
- Thank you for your assistance

~~~~~~~~~~~~~~~~~~~~~~~~~ ★ ~~~~~~~~~~~~~~~~~~~~~~~~~~~

OPTIONS AVAILABLE TO PAY YOUR BILL

- Mail payment along with stub in return envelope provided.
- Bank Draft available via Dynamic Portal at www.cctexas.com.
- Online Payment - Register via Dynamic Portal at www.cctexas.com available 24/7.
- By phone 24/7 with a credit or debit card at 361-885-0751.

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AUTHORIZED PAY STATIONS
All local HEB locations
Please allow 2 business days before due date to ensure proper credit.

~~~~~~~~~~~~~~~~~~~~~~~~~ ★ ~~~~~~~~~~~~~~~~~~~~~~~~~~~

KLEBERG COUNTY APPRAISAL DISTRICT

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

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

RECEIVED
MAR 0 4 2019
SOUTH TEXAS WATER AUTHORITY

TO: South Texas Water Authority

FROM: Kleberg County Appraisal District

DATE: March 1, 2019

SUBJECT: 2019 Appraisal District Payment Information

The second payment from your taxing unit toward the 2019 Appraisal District Operating Budget is due to be paid by March 31, 2019. Thank you for your attention to this matter.

POSTED

Original 2nd Qtr Amount Due:	$	5,344.78
2017 Operating Budget Credit:		$0.30
Amount due if paid by 3/31/2019:		$5,344.48

Amount due if paid after 3/31/2019: $5,656.24

	$	5,344.48	
+	$	267.22	(5% Penalty)
+	$	44.54	(10% Interest /Mo)
	$	5,656.24	

RECEIVED
MAR 0 4 2019
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
2019 BUDGET ALLOCATION

INVOICE 3033119

Taxing Unit:	So Texas Water Auth
Due Date:	March 31, 2019
2nd Quarter:	$1,953.00

POSTED

Nueces County Courthouse
901 Leopard, Suite 301
Corpus Christi, TX 78401

Kevin Kieschnick
Assessor and Collector of Taxes

Administration
(361) 888-0307
(361) 888-0308

RECEIVED
MAR 0 8 2019
SOUTH TEXAS WATER AUTHORITY

March 6, 2019

South Texas Water District
C/O Jo Ella Wagner
P.O. Box 1701
Kingsville, TX 78363

Fees for Collection of Ad Valorem Taxes
during the month February of 2019

Total collected parcels	3,540
Collection Fee per Parcel	$1.3314
Total for FEBRUARY	$4,713.16

POSTED

Please Make Checks Payable To:
Nueces County Tax Assessor-Collector

For information contact:	*Motor Vehicle*	*Property Tax*	*Voter Registration*
voice	*(361) 888-0459*	*(361) 888-0230*	*(361) 888-0404*
fax	*(361) 888-0482*	*(361) 888-0218*	*(361) 888-0339*

ANTICIPATED (BUDGETED) vs. ACTUAL WATER RATE CHARGED

	ANTICIPATED (BUDGETED) CHARGES			ACTUAL CHARGES			Difference:
	Handling Charge	CC Cost	Total	Handling Charge	CC Cost	Total	Actual vs. Budgeted
Oct-18	$0.426386	$2.3962	$2.8226	$0.426386	$2.400926	$2.827312	$0.0047
Nov-18	$0.426386	$2.3978	$2.8242	$0.426386	$2.394856	$2.821242	-$0.0029
Dec-18	$0.426386	$2.3977	$2.8240	$0.426386	$2.397809	$2.824195	$0.0002
Jan-19	$0.426386	$2.5585	$2.9849	$0.426386	$2.563857	$2.990243	$0.0053
Feb-19	$0.426386	$2.5602	$2.9866	$0.426386	$2.562148	$2.988534	$0.0020
Mar-19	$0.426386	$2.5584	$2.9848	$0.426386		$0.426386	-$2.5584
Apr-19	$0.426386	$2.5575	$2.9839	$0.426386		$0.426386	-$2.5575
May-19	$0.426386	$2.5569	$2.9833	$0.426386		$0.426386	-$2.5569
Jun-19	$0.426386	$2.5566	$2.9830	$0.426386		$0.426386	-$2.5566
Jul-19	$0.426386	$2.5544	$2.9808	$0.426386		$0.426386	-$2.5544
Aug-19	$0.426386	$2.5545	$2.9808	$0.426386		$0.426386	-$2.5545
Sep-19	$0.426386	$2.5570	$2.9833	$0.426386		$0.426386	-$2.5570
Avg Cost	$0.426386	$2.5171	$2.9435	$0.426386	$2.463919	$2.890305	-$0.0532

ANTICIPATED (BUDGETED) vs. ACTUAL WATER USAGE

All Customers	Budgeted	Actual	Difference
Oct-18	43,062,520	42,957,680	-104,840
Nov-18	39,364,677	46,914,980	7,550,303
Dec-18	39,672,886	39,489,710	-183,176
Jan-19	40,736,971	35,035,330	-5,701,641
Feb-19	37,399,151	36,095,310	-1,303,841
Mar-19	41,040,729	0	
Apr-19	43,086,786	0	
May-19	44,539,563	0	
Jun-19	45,514,314	0	
Jul-19	52,429,711	0	
Aug-19	52,198,325	0	
Sep-19	44,493,859	0	
TOTAL	523,539,495	200,493,010	256,803

NWSC	Budgeted	Actual	Difference
Oct-18	12,246,024	13,422,420	1,176,396
Nov-18	11,006,676	13,454,530	2,447,854
Dec-18	11,022,768	13,970,520	2,947,752
Jan-19	11,767,366	13,131,970	1,364,604
Feb-19	10,542,988	12,359,380	1,816,392
Mar-19	11,148,151	0	
Apr-19	11,900,837	0	
May-19	12,473,511	0	
Jun-19	13,090,139	0	
Jul-19	14,997,937	0	
Aug-19	14,818,303	0	
Sep-19	13,165,218	0	
TOTAL	148,179,918	66,338,820	9,752,998

Kingsville	Budgeted	Actual	Difference
Oct-18	10,465,979	11,526,000	1,060,021
Nov-18	10,465,979	14,703,000	4,237,021
Dec-18	10,465,979	9,990,000	-475,979
Jan-19	10,465,979	5,949,000	-4,516,979
Feb-19	10,465,979	10,005,000	-460,979
Mar-19	10,465,979	0	
Apr-19	10,465,979	0	
May-19	10,465,979	0	
Jun-19	10,465,979	0	
Jul-19	10,465,979	0	
Aug-19	10,465,979	0	
Sep-19	10,465,979	0	
TOTAL	125,591,753	52,173,000	-156,897

RWSC	Budgeted	Actual	Difference
Oct-18	8,686,000	7,837,000	-849,000
Nov-18	7,566,000	6,767,000	-799,000
Dec-18	7,426,600	7,249,000	-177,600
Jan-19	7,345,000	8,378,000	1,033,000
Feb-19	6,573,200	6,812,000	238,800
Mar-19	8,123,200	0	
Apr-19	8,844,400	0	
May-19	9,071,600	0	
Jun-19	9,421,600	0	
Jul-19	10,670,600	0	
Aug-19	10,878,000	0	
Sep-19	8,333,800	0	
TOTAL	102,940,000	37,043,000	-553,800

Bishop	Budgeted	Actual	Difference
Oct-18	4,397,600	2,413,000	-1,984,600
Nov-18	3,711,000	4,497,000	786,000
Dec-18	4,234,000	330,000	-3,904,000
Jan-19	4,464,400	11,000	-4,453,400
Feb-19	3,550,000	0	-3,550,000
Mar-19	4,585,400	0	
Apr-19	4,559,600	0	
May-19	4,897,600	0	
Jun-19	4,629,400	0	
Jul-19	7,354,800	0	
Aug-19	7,643,200	0	
Sep-19	5,273,400	0	
TOTAL	59,300,400	7,251,000	-13,106,000

Banquete	Budgeted	Actual	Difference
Oct-18	2,263,070	1,969,000	-294,070
Nov-18	2,054,046	2,079,220	25,174
Dec-18	2,024,012	2,301,060	277,048
Jan-19	2,028,542	1,919,740	-108,802
Feb-19	1,932,604	1,638,550	-294,054
Mar-19	1,964,422	0	
Apr-19	2,101,106	0	
May-19	2,222,884	0	
Jun-19	2,274,290	0	
Jul-19	2,533,618	0	
Aug-19	2,501,660	0	
Sep-19	2,139,458	0	
TOTAL	26,039,712	9,907,570	-394,704

Driscoll	Budgeted	Actual	Difference
Oct-18	2,674,051	3,930,000	1,255,949
Nov-18	2,604,305	3,666,400	1,062,095
Dec-18	2,527,969	3,524,700	996,731
Jan-19	2,753,560	3,617,100	863,540
Feb-19	2,533,000	3,436,800	903,800
Mar-19	2,802,440	0	
Apr-19	2,893,740	0	
May-19	3,100,100	0	
Jun-19	3,149,760	0	
Jul-19	3,656,300	0	
Aug-19	3,340,813	0	
Sep-19	2,935,040	0	
TOTAL	34,971,079	18,175,000	5,082,115

Agua Dulce	Budgeted	Actual	Difference
Oct-18	2,329,796	1,860,260	-469,536
Nov-18	1,956,670	1,747,830	-208,840
Dec-18	1,971,558	2,124,430	152,872
Jan-19	1,912,124	2,028,520	116,396
Feb-19	1,801,380	1,843,580	42,200
Mar-19	1,951,137	0	
Apr-19	2,321,124	0	
May-19	2,307,888	0	
Jun-19	2,483,146	0	
Jul-19	2,750,476	0	
Aug-19	2,550,370	0	
Sep-19	2,180,964	0	
TOTAL	26,516,633	9,604,620	-366,908

Kingsville Actual Usage vs. Bell Chart Volume

	Target Volume	**Actual Volume**	**Difference**
Oct-18	12,451,513	11,526,000	-925,513
Nov-18	7,362,963	14,703,000	7,340,037
Dec-18	5,893,607	9,990,000	4,096,393
Jan-19	4,650,000	5,949,000	1,299,000
Feb-19	6,760,471	10,005,000	3,244,529
Mar-19	8,319,028	0	
Apr-19	10,906,161	0	
May-19	12,497,858	0	
Jun-19	14,240,055	0	
Jul-19	15,711,155	0	
Aug-19	15,911,986	0	
Sep-19	13,866,300	0	
TOTAL	128,571,097	52,173,000	15,054,446

Net Revenue per Thousand (1,000) Gallons

Kingsville	Actual	Net Rev	Per 1000g
Oct-18	11,526,000	$3,791.66	$0.3290
Nov-18	14,703,000	$5,193.06	$0.3532
Dec-18	9,990,000	$2,537.71	$0.2540
Jan-19	5,949,000	$1,446.93	$0.2432
Feb-19	0	$0.00	#DIV/0!
Mar-19	0	$0.00	#DIV/0!
Apr-19	0	$0.00	#DIV/0!
May-19	0	$0.00	#DIV/0!
Jun-19	0	$0.00	#DIV/0!
Jul-19	0	$0.00	#DIV/0!
Aug-19	0	$0.00	#DIV/0!
Sep-19	0	$0.00	#DIV/0!
TOTAL	42,168,000	$12,969.36	$0.3076

NWSC	Actual	Net Rev	Per 1000g
Oct-18	13,422,420	$4,137.05	$0.3082
Nov-18	13,454,530	$4,730.43	$0.3516
Dec-18	13,970,520	$4,407.76	$0.3155
Jan-19	13,131,970	$3,938.90	$0.2999
Feb-19	0	$0.00	#DIV/0!
Mar-19	0	$0.00	#DIV/0!
Apr-19	0	$0.00	#DIV/0!
May-19	0	$0.00	#DIV/0!
Jun-19	0	$0.00	#DIV/0!
Jul-19	0	$0.00	#DIV/0!
Aug-19	0	$0.00	#DIV/0!
Sep-19	0	$0.00	#DIV/0!
TOTAL	53,979,440	$17,214.14	$0.3189

Bishop	Actual	Net Rev	Per 1000g
Oct-18	2,413,000	$126.37	$0.0524
Nov-18	4,497,000	$943.99	$0.2099
Dec-18	330,000	-$791.23	-$2.3977
Jan-19	11,000	-$800.56	-$72.7782
Feb-19	0	$0.00	#DIV/0!
Mar-19	0	$0.00	#DIV/0!
Apr-19	0	$0.00	#DIV/0!
May-19	0	$0.00	#DIV/0!
Jun-19	0	$0.00	#DIV/0!
Jul-19	0	$0.00	#DIV/0!
Aug-19	0	$0.00	#DIV/0!
Sep-19	0	$0.00	#DIV/0!
TOTAL	7,251,000	-$521.43	-$0.0719

RWSC	Actual	Net Rev	Per 1000g
Oct-18	7,837,000	$1,859.35	$0.2373
Nov-18	6,767,000	$1,385.55	$0.2048
Dec-18	7,249,000	$1,522.81	$0.2101
Jan-19	8,378,000	$1,908.52	$0.2278
Feb-19	0	$0.00	#DIV/0!
Mar-19	0	$0.00	#DIV/0!
Apr-19	0	$0.00	#DIV/0!
May-19	0	$0.00	#DIV/0!
Jun-19	0	$0.00	#DIV/0!
Jul-19	0	$0.00	#DIV/0!
Aug-19	0	$0.00	#DIV/0!
Sep-19	0	$0.00	#DIV/0!
TOTAL	30,231,000	$6,676.23	$0.2208

Driscoll	Actual	Net Rev	Per 1000g
Oct-18	3,930,000	$1,106.55	$0.2816
Nov-18	3,666,400	$610.67	$0.1666
Dec-18	3,524,700	$939.56	$0.2666
Jan-19	3,617,100	$984.84	$0.2723
Feb-19	0	$0.00	#DIV/0!
Mar-19	0	$0.00	#DIV/0!
Apr-19	0	$0.00	#DIV/0!
May-19	0	$0.00	#DIV/0!
Jun-19	0	$0.00	#DIV/0!
Jul-19	0	$0.00	#DIV/0!
Aug-19	0	$0.00	#DIV/0!
Sep-19	0	$0.00	#DIV/0!
TOTAL	14,738,200	$3,641.62	$0.2471

Banquete	Actual	Net Rev	Per 1000g
Oct-18	1,969,000	$421.76	$0.2142
Nov-18	2,079,220	$598.23	$0.2877
Dec-18	2,301,060	$550.37	$0.2392
Jan-19	1,919,740	$393.96	$0.2052
Feb-19	0	$0.00	#DIV/0!
Mar-19	0	$0.00	#DIV/0!
Apr-19	0	$0.00	#DIV/0!
May-19	0	$0.00	#DIV/0!
Jun-19	0	$0.00	#DIV/0!
Jul-19	0	$0.00	#DIV/0!
Aug-19	0	$0.00	#DIV/0!
Sep-19	0	$0.00	#DIV/0!
TOTAL	8,269,020	$1,964.32	$0.2376

Agua Dulce	Actual	Net Rev	Per 1000g
Oct-18	1,860,260	$394.24	$0.2119
Nov-18	1,747,830	$520.93	$0.2980
Dec-18	2,124,430	$478.33	$0.2252
Jan-19	2,028,520	$449.33	$0.2215
Feb-19	0	$0.00	#DIV/0!
Mar-19	0	$0.00	#DIV/0!
Apr-19	0	$0.00	#DIV/0!
May-19	0	$0.00	#DIV/0!
Jun-19	0	$0.00	#DIV/0!
Jul-19	0	$0.00	#DIV/0!
Aug-19	0	$0.00	#DIV/0!
Sep-19	0	$0.00	#DIV/0!
TOTAL	7,761,040	$1,842.83	$0.2374

All Customers	Actual	Net Rev	Per 1000g
Oct-18	42,957,680	$11,836.98	$0.2755
Nov-18	46,914,980	$13,982.86	$0.2980
Dec-18	39,489,710	$9,645.31	$0.2442
Jan-19	35,035,330	$8,321.92	$0.2375
Feb-19	0	$0.00	#DIV/0!
Mar-19	0	$0.00	#DIV/0!
Apr-19	0	$0.00	#DIV/0!
May-19	0	$0.00	#DIV/0!
Jun-19	0	$0.00	#DIV/0!
Jul-19	0	$0.00	#DIV/0!
Aug-19	0	$0.00	#DIV/0!
Sep-19	0	$0.00	#DIV/0!
TOTAL	164,397,700	$43,787.07	$0.2663

INTER-OFFICE MEMO

TO: Carola G. Serrato, Executive Director
FROM: Jacob Hinojosa, O&M Supervisor
DATE: March 21, 2019
RE: Maintenance & Technical Report

During the week of February 11, 2019, the following work was completed.

- Safety Meeting for all Field Techs.
- Exercised generators, downloaded GPS reports and performed line locates.
- Took daily residuals for the Driscoll Booster Station project. (Booster Station, CR 16 & KI MR)
- Took Unit #2 to get an oil change.
- Performed the colorimeter verification for all DR900's.
- Picked up new truck from C&S plating (the company now being used – Trucker's Equipment Closed).
- Employee took a CDL exam.
- Had FMT training with TCEQ reps.
- Took Bac-T water samples.
- Took NAP samples.
- Adjusted SCADA and pump set points for Banquete Pump Station due to tank cleaning that was going to be done by NCWC&ID #5.

During the week of February 18, 2019, the following work was completed.

- Safety Meeting for all Field Techs.
- Exercised generators, downloaded GPS reports and performed line locates.
- Took daily residuals for the Driscoll Booster Station project. (Booster Station, CR 16 & KI MR)
- Took NAP samples.
- Took nitrate/nitrite samples.
- Dropped off Unit #7 at Ford dealership.
- Repaired Bishop East MOV.
- Sprayed weed killer at the pump stations.
- Took Bac-T water samples.
- Put SCADA and pump set points back to normal at Banquete Pump Station.
- Repaired leak in spur line by CR 93 and CR 38.

During the week of February 25, 2019, the following work was completed.

- Safety Meeting for all Field Techs.
- Exercised generators, downloaded GPS reports and performed line locates.
- Took daily residuals for the Driscoll Booster Station project. (Booster Station, CR 16 & KI MR)
- Took NAP samples.
- Ran pumps on Spur line to help GEO Detention Center fill their GST's.
- Moved track hoe for CP crew to a different location.
- Took Unit #1 to get sensor repaired for traction control.
- Delivered 1-ton cylinder of chlorine for Driscoll Booster.
- Gross Solutions came to replace SCADA radio at Banquete Pump Station.

During the week of March 4, 2019, the following work was completed.

- Safety Meeting for all Field Techs.
- Exercised generators, downloaded GPS reports and performed line locates.
- Took daily residuals for the Driscoll Booster Station project. (Booster Station, CR 16 & KI MR)
- Took NAP samples.
- Installed new UPS backup for Banquete SCADA.
- Took Unit #5 for service.
- Mowed grass around office.

During the week of March 11, 2019, the following work was completed.

- Safety Meeting for all Field Techs.
- Exercised generators, downloaded GPS reports and performed line locates.
- Took daily residuals for the Driscoll Booster Station project. (Booster Station, CR 16 & KI MR)
- Took NAP samples.
- Mowed grass at Kingsville office.
- Took Unit #7 to get new tires.
- Took water samples.
- Cleaned out the gutters for the office building.

ATTACHMENT 3

Resolution 19-12
Annexation Petition – Esquivel

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 15, 2019
Re: Annexation Petition—Ryan M. Esquivel and Tabitha F. Esquivel, Cyndie Park Unit 2, north east half of Tract 14, south west half of Tract 14, all of Tract 15, all of Tract 16 and north east half of Tract 17, Nueces County, Texas

Background:

As reviewed last month, on occasion a property owner living outside STWA's district will request retail water service from the Nueces Water Supply Corporation (NWSC). In the past, the property owner has requested annexation into STWA's district in order to pay the same cost for service as other NWSC retail customers including any property taxes to STWA. Last month, the STWA Board took action to set the date, time and place for the necessary public hearing on the annexation. This public hearing will occur immediately prior to the Board meeting. Staff does not anticipate any public attendance on the matter unless the landowners decide to attend.

Analysis:

Annexing the property into STWA's district results in the NWSC retail customer paying the same inside district rates for service as other NWSC customers. Without the annexation, an outside district customer would pay NWSC monthly minimums and cost per 1000g but would not pay the STWA taxes paid by other NWSC retail customers. With the adoption of the enclosed Resolution 19-12, STWA staff will contact the Nueces County Appraisal District and the property is added to STWA's rolls.

This annexation is part of the long-term project spear-headed by Nueces County and their Grant Administration office that included grant funds from the Texas Department of Agriculture and Texas Water Development Board for a planning study, distribution lines in the Cyndie Park Subdivision, a transmission line extending from NWSC's closest 6" line and the soon to be constructed new pump station immediately north of the existing Banquete Pump Station.

Staff Recommendation:

Adopt Resolution 19-12.

Board Action:

Determine whether to adopt Resolution 19-12.

Summarization:

Annexation of this property means that this customer will be subject to the same cost as other NWSC retail customers including NWSC retail water rates and STWA property taxes.

CERTIFICATE FOR
RESOLUTION APPROVING ANNEXATION

THE STATE OF TEXAS §
COUNTIES OF KLEBERG AND NUECES §
SOUTH TEXAS WATER AUTHORITY §

We, the undersigned officers of the Board of Directors of said Authority, hereby certify as follows:

1. The Board of Directors of said Authority convened in REGULAR MEETING ON THE 26TH DAY OF MARCH, 2019, at the regular designated meeting place, and the roll was called of the duly constituted officers and members of said Board, to-wit:

Kathleen Lowman, President	Lupita Perez
Dr. Alberto Ruiz, Vice President	Patsy A. Rodgers
Rudy Galvan, Jr., Secretary/Treasurer	Filiberto Treviño
Brandon Barrera	Steven C. Vaughn

and all of said persons were present, except the following absentees: _____ thus constituting a quorum. Whereupon, among other business the following was transacted at said Meeting: a written

RESOLUTION APPROVING ANNEXATION

was duly introduced for the consideration of said Board and read in full. It was then moved and seconded that said Resolution be passed; and, after due discussion, said motion, carrying with it the passage of said Resolution, prevailed and carried by the following vote:

AYES: _____.

NOES: _____.

2. That a true, full, and correct copy of the aforesaid Resolution passed at the Meeting described in the above and foregoing paragraph is attached to and follows this Certificate; that said Resolution has been duly recorded in said Board's minutes of said Meeting; that the above and foregoing paragraph is a true, full, and correct excerpt from said Board's minutes of said Meeting pertaining to the passage of said Resolution; that the persons named in the above and foregoing paragraph are the duly chosen, qualified, and acting officers and members of said Board as indicated therein; that each of the officers and members of said Board was duly and sufficiently notified officially and personally, in advance, of the time, place, and purpose of the aforesaid Meeting, and that said Resolution would be introduced and considered for passage at said Meeting, and each of said officers and members consented, in advance, to the holding of said Meeting for such purpose; and the said Meeting was open to the public, and

public notice of the time, place, and purpose of said Meeting was given all as required by Chapter 551, Texas Government Code.

SIGNED AND SEALED the 26th day March, 2019.

Rudy Galvan, Jr., Secretary
Board of Directors

Kathleen Lowman, President
Board of Directors

SOUTH TEXAS WATER AUTHORITY

Resolution 19-12

THE STATE OF TEXAS §
COUNTIES OF KLEBERG AND NUECES §
SOUTH TEXAS WATER AUTHORITY §

WHEREAS, the Board of Directors conducted a hearing on this date in reference to the annexation of the territory described in Exhibit A attached hereto; and

WHEREAS, it was deemed advisable by the Board to approve the annexation of such territory to the Authority; and

WHEREAS, it is officially found and determined: that a case of emergency or urgent public necessity exists which required the holding of the meeting at which this Resolution was adopted and that said meeting was open to the public, and public notice of the time, place and purpose of said meeting was given, all as required by Chapter 551, Texas Government Code.

THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF SOUTH TEXAS WATER AUTHORITY:

1. That the annexation of the territory described in Exhibit A is hereby approved by this Board, and it is hereby found that there will be benefit to the territory as amended.

2. That pursuant to Article 7, Chapter 436, Acts of the 66th Legislature, Regular Session, 1979, no election is required to approve the annexation as the petition was signed by all residents and landowners of the annexed territory.

RECEIVED
DEC 31 2018
NUECES WATER SUPPLY CORPORATION

PETITION FOR ADDITION OF CERTAIN LANDS TO THE SOUTH TEXAS WATER AUTHORITY

STATE OF TEXAS :
COUNTY OF NUECES :

TO THE BOARD OF DIRECTORS OF THE SOUTH TEXAS WATER AUTHORITY:

The undersigned (herein called "Petitioner"), holder of title to the territory described by metes and bounds in Exhibit "A" which is attached hereto and incorporated herein for all purposes, being all of the residents and landowners of such territory, as shown by the tax rolls of Nueces County, Texas, and acting pursuant to the provisions of Section 11006.052, Special District Local Laws Code, respectfully petitions the Board of Directors of South Texas Water Authority that the territory described by metes and bounds in Exhibit "A" be added to and become a part of the established South Texas Water Authority, and in support of this petition would show as follows:

I.

Fee simple title and full ownership of the aforesaid territory, which lies wholly within Nueces County, Texas, is vested in Petitioner.

II.

The addition of said territory to South Texas Water Authority is feasible and practical, would be to the best interest both to the territory and to the Authority and would benefit said territory.

III.

The Authority will be able to supply water, or have water supplied, to the added territory.

IV.

This petition shall constitute an election on the part of the Petitioner, its successors and assigns, for the aforesaid land and any improvements which may be constructed thereon to become liable for all present and future debts of the Authority in the same manner and to the same extent as other lands and improvements in the Authority are liable for the Authority's debts.

V.

Petitioner hereby authorizes the Board of Directors of the Authority to levy taxes and set rates sufficient to pay their share of the aforementioned outstanding indebtedness.

WHEREFORE, Petitioner prays that this petition be properly filed, as provided by law; that the Board of Directors of South Texas Water Authority hear and consider the petition in keeping with the provisions of Section 11006.052, Special District Local Laws Code; and that this petition in all things be granted and that the territory described in Exhibit "A" be added to and become a part of the established South Texas Water Authority; that after this petition is granted the Board's order thereon be filed of record and be recorded in the Deed Records of Nueces County, Texas; and that the area described in Exhibit "A" be thereafter a component part of South Texas Water Authority.

[Signatures and Acknowledgement on following page.]

EXECUTED this 19th day of December, 2018.

Ryan M. Esquivel

Tabitha F. Esquivel

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY of Midland

Subscribed and sworn to before me Ryan M. Esquivel on this the 19th day of December, 2018.

Notary Public

My Commission Expires: 6/20/21

KRISTYN GRAY
Notary Public
STATE OF TEXAS
My Comm. Exp. 06/20/2021
ID# 131179598

NOTARY SEAL

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY of Midland

Subscribed and sworn to before me Tabitha F. Esquivel on this the 19th day of December, 2018.

Notary Public

My Commission Expires: 6/20/21

KRISTYN GRAY
Notary Public
STATE OF TEXAS
My Comm. Exp. 06/20/2021
ID# 131179598

NOTARY SEAL

Exhibit "A"

To

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

Property Description:

Being the north east half of Tract 14, the south west half of Tract 14, all of tract 15, all of Tract 16 and the north east half of Tract 17, CYNDIE PARK UNIT 2 an unrecorded subdivision, out of a tract of land containing 59.59 acres, more or less, by deed recorded in Volume 2047, Pages 659-663, out of that 238.79 acres standing in the names of John S. McGregor and C.C. Speed by deed recorded in Volume 1840, Page 1017 of the Deed Records of Nueces County, Texas and all being out of THE CASA BLANCA GRANT and being a part of Tracts Twenty-Four (24) and Twenty-Five (25) of the MANTOR, BRIGGS & KUYKENDALL SUBDIVISION of 5155.97 acres in Nueces County, Texas, as shown by map recorded in Volume 2, Page 57 of the Map Records of Nueces County, Texas, and being more particularly described by metes and bounds on Exhibit "A" of the Warranty Deed with Vendor's Lien recorded under Document No. 2018015340 of the Official Records of Nueces County, Texas.

ATTACHMENT 4

Resolution 19-13
Annexation Petition – Gonzalez

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 15, 2019
Re: Annexation Petition—Roland Gonzalez, Cyndie Park Unit 2, Tract 44 and adjoining one-half of Tract 43, Nueces County, Texas

Background:

As reviewed last month, on occasion a property owner living outside STWA's district will request retail water service from the Nueces Water Supply Corporation (NWSC). In the past, the property owner has requested annexation into STWA's district in order to pay the same cost for service as other NWSC retail customers including any property taxes to STWA. Last month, the STWA Board took action to set the date, time and place for the necessary public hearing on the annexation. This public hearing will occur immediately prior to the Board meeting. Staff does not anticipate any public attendance on the matter unless the landowners decide to attend.

Analysis:

Annexing the property into STWA's district results in the NWSC retail customer paying the same inside district rates for service as other NWSC customers. Without the annexation, an outside district customer would pay NWSC monthly minimums and cost per 1000g but would not pay the STWA taxes paid by other NWSC retail customers. With the adoption of the enclosed Resolution 19-13, STWA staff will contact the Nueces County Appraisal District and the property is added to STWA's rolls.

This annexation is part of the long-term project spear-headed by Nueces County and their Grant Administration office that included grant funds from the Texas Department of Agriculture and Texas Water Development Board for a planning study, distribution lines in the Cyndie Park Subdivision, a transmission line extending from NWSC's closest 6" line and the soon to be constructed new pump station immediately north of the existing Banquete Pump Station.

Staff Recommendation:

Adopt Resolution 19-13.

Board Action:

Determine whether to adopt Resolution 19-13.

Summarization:

Annexation of this property means that this customer will be subject to the same cost as other NWSC retail customers including NWSC retail water rates and STWA property taxes.

CERTIFICATE FOR
RESOLUTION APPROVING ANNEXATION

THE STATE OF TEXAS §
COUNTIES OF KLEBERG AND NUECES §
SOUTH TEXAS WATER AUTHORITY §

We, the undersigned officers of the Board of Directors of said Authority, hereby certify as follows:

1. The Board of Directors of said Authority convened in REGULAR MEETING ON THE 26TH DAY OF MARCH, 2019, at the regular designated meeting place, and the roll was called of the duly constituted officers and members of said Board, to-wit:

Kathleen Lowman, President	Lupita Perez
Dr. Alberto Ruiz, Vice President	Patsy A. Rodgers
Rudy Galvan, Jr., Secretary/Treasurer	Filiberto Treviño
Brandon Barrera	Steven C. Vaughn

and all of said persons were present, except the following absentees: _____ thus constituting a quorum. Whereupon, among other business the following was transacted at said Meeting: a written

RESOLUTION APPROVING ANNEXATION

was duly introduced for the consideration of said Board and read in full. It was then moved and seconded that said Resolution be passed; and, after due discussion, said motion, carrying with it the passage of said Resolution, prevailed and carried by the following vote:

AYES: _____.

NOES: _____.

2. That a true, full, and correct copy of the aforesaid Resolution passed at the Meeting described in the above and foregoing paragraph is attached to and follows this Certificate; that said Resolution has been duly recorded in said Board's minutes of said Meeting; that the above and foregoing paragraph is a true, full, and correct excerpt from said Board's minutes of said Meeting pertaining to the passage of said Resolution; that the persons named in the above and foregoing paragraph are the duly chosen, qualified, and acting officers and members of said Board as indicated therein; that each of the officers and members of said Board was duly and sufficiently notified officially and personally, in advance, of the time, place, and purpose of the aforesaid Meeting, and that said Resolution would be introduced and considered for passage at said Meeting, and each of said officers and members consented, in advance, to the holding of said Meeting for such purpose; and the said Meeting was open to the public, and

public notice of the time, place, and purpose of said Meeting was given all as required by Chapter 551, Texas Government Code.

SIGNED AND SEALED the 26th day March, 2019.

Rudy Galvan, Jr., Secretary
Board of Directors

Kathleen Lowman, President
Board of Directors

SOUTH TEXAS WATER AUTHORITY

Resolution 19-13

THE STATE OF TEXAS §
COUNTIES OF KLEBERG AND NUECES §
SOUTH TEXAS WATER AUTHORITY §

WHEREAS, the Board of Directors conducted a hearing on this date in reference to the annexation of the territory described in Exhibit A attached hereto; and

WHEREAS, it was deemed advisable by the Board to approve the annexation of such territory to the Authority; and

WHEREAS, it is officially found and determined: that a case of emergency or urgent public necessity exists which required the holding of the meeting at which this Resolution was adopted and that said meeting was open to the public, and public notice of the time, place and purpose of said meeting was given, all as required by Chapter 551, Texas Government Code.

THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF SOUTH TEXAS WATER AUTHORITY:

1. That the annexation of the territory described in Exhibit A is hereby approved by this Board, and it is hereby found that there will be benefit to the territory as amended.

2. That pursuant to Article 7, Chapter 436, Acts of the 66th Legislature, Regular Session, 1979, no election is required to approve the annexation as the petition was signed by all residents and landowners of the annexed territory.

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

STATE OF TEXAS :
COUNTY OF NUECES :

TO THE BOARD OF DIRECTORS OF THE SOUTH TEXAS WATER AUTHORITY:

The undersigned (herein called "Petitioner"), holder of title to the territory described by metes and bounds in Exhibit "A" which is attached hereto and incorporated herein for all purposes, being all of the residents and landowners of such territory, as shown by the tax rolls of Nueces County, Texas, and acting pursuant to the provisions of Section 11006.052, Special District Local Laws Code, respectfully petitions the Board of Directors of South Texas Water Authority that the territory described by metes and bounds in Exhibit "A" be added to and become a part of the established South Texas Water Authority, and in support of this petition would show as follows:

I.

Fee simple title and full ownership of the aforesaid territory, which lies wholly within Nueces County, Texas, is vested in Petitioner.

II.

The addition of said territory to South Texas Water Authority is feasible and practical, would be to the best interest both to the territory and to the Authority and would benefit said territory.

III.

The Authority will be able to supply water, or have water supplied, to the added territory.

IV.

This petition shall constitute an election on the part of the Petitioner, its successors and assigns, for the aforesaid land and any improvements which may be constructed thereon to become liable for all present and future debts of the Authority in the same manner and to the same extent as other lands and improvements in the Authority are liable for the Authority's debts.

V.

Petitioner hereby authorizes the Board of Directors of the Authority to levy taxes and set rates sufficient to pay their share of the aforementioned outstanding indebtedness.

WHEREFORE, Petitioner prays that this petition be properly filed, as provided by law; that the Board of Directors of South Texas Water Authority hear and consider the petition in keeping with the provisions of Section 11006.052, Special District Local Laws Code and that this petition in all things be granted and that the territory described in Exhibit "A" be added to and become a part of the established South Texas Water Authority; that after this petition is granted the Board's order thereon be filed of record and be recorded in the Deed Records of Nueces County, Texas; and that the area described in Exhibit "A" be thereafter a component part of South Texas Water Authority.

[Signatures and Acknowledgement on following page.]

EXECUTED this 25 day of January, 2019.

Roland Gonzalez

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY of Nueces

Subscribed and sworn to before me Roland Gonzalez on this the 25th day of January, 2019.

NOEMI S. FLORES
Notary Public, State of Texas
Comm. Expires 04-22-2020
Notary ID 2928416

NOTARY SEAL

Noemi S. Flores
Notary Public

My Commission Expires: 4/22/2020

Exhibit "A"

To

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

Property Description:

Tract Forty-Four (44), CYNDIE PARK UNIT 2, in Nueces County, Texas, and the adjoining one-half (1/2) of Tract Forty-Three (43), CYNDIE PARK UNIT 2, in Nueces County, Texas, and being more particularly described on Exhibit "A" of the Warranty Deed with Vendor's Lien recorded under Document No. 1996046435 of the Official Records of Nueces County, Texas.

ATTACHMENT 5

Resolution 19-14
Annexation Petition – Riojas

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 15, 2019
Re: Annexation Petition—Patricios Riojas III and Angel Gonzales Riojas, Cyndie Park Unit 2, Tract 1, Nueces County, Texas

Background:

As reviewed last month, on occasion a property owner living outside STWA's district will request retail water service from the Nueces Water Supply Corporation (NWSC). In the past, the property owner has requested annexation into STWA's district in order to pay the same cost for service as other NWSC retail customers including any property taxes to STWA. Last month, the STWA Board took action to set the date, time and place for the necessary public hearing on the annexation. This public hearing will occur immediately prior to the Board meeting. Staff does not anticipate any public attendance on the matter unless the landowners decide to attend.

Analysis:

Annexing the property into STWA's district results in the NWSC retail customer paying the same inside district rates for service as other NWSC customers. Without the annexation, an outside district customer would pay NWSC monthly minimums and cost per 1000g but would not pay the STWA taxes paid by other NWSC retail customers. With the adoption of the enclosed Resolution 19-14, STWA staff will contact the Nueces County Appraisal District and the property is added to STWA's rolls.

This annexation is part of the long-term project spear-headed by Nueces County and their Grant Administration office that included grant funds from the Texas Department of Agriculture and Texas Water Development Board for a planning study, distribution lines in the Cyndie Park Subdivision, a transmission line extending from NWSC's closest 6" line and the soon to be constructed new pump station immediately north of the existing Banquete Pump Station.

Staff Recommendation:

Adopt Resolution 19-14.

Board Action:

Determine whether to adopt Resolution 19-14.

Summarization:

Annexation of this property means that this customer will be subject to the same cost as other NWSC retail customers including NWSC retail water rates and STWA property taxes.

CERTIFICATE FOR
RESOLUTION APPROVING ANNEXATION

THE STATE OF TEXAS §
COUNTIES OF KLEBERG AND NUECES §
SOUTH TEXAS WATER AUTHORITY §

We, the undersigned officers of the Board of Directors of said Authority, hereby certify as follows:

1. The Board of Directors of said Authority convened in REGULAR MEETING ON THE 26TH DAY OF MARCH, 2019, at the regular designated meeting place, and the roll was called of the duly constituted officers and members of said Board, to-wit:

Kathleen Lowman, President	Lupita Perez
Dr. Alberto Ruiz, Vice President	Patsy A. Rodgers
Rudy Galvan, Jr., Secretary/Treasurer	Filiberto Treviño
Brandon Barrera	Steven C. Vaughn

and all of said persons were present, except the following absentees: _____ thus constituting a quorum. Whereupon, among other business the following was transacted at said Meeting: a written

RESOLUTION APPROVING ANNEXATION

was duly introduced for the consideration of said Board and read in full. It was then moved and seconded that said Resolution be passed; and, after due discussion, said motion, carrying with it the passage of said Resolution, prevailed and carried by the following vote:

AYES: _____.

NOES: _____.

2. That a true, full, and correct copy of the aforesaid Resolution passed at the Meeting described in the above and foregoing paragraph is attached to and follows this Certificate; that said Resolution has been duly recorded in said Board's minutes of said Meeting; that the above and foregoing paragraph is a true, full, and correct excerpt from said Board's minutes of said Meeting pertaining to the passage of said Resolution; that the persons named in the above and foregoing paragraph are the duly chosen, qualified, and acting officers and members of said Board as indicated therein; that each of the officers and members of said Board was duly and sufficiently notified officially and personally, in advance, of the time, place, and purpose of the aforesaid Meeting, and that said Resolution would be introduced and considered for passage at said Meeting, and each of said officers and members consented, in advance, to the holding of said Meeting for such purpose; and the said Meeting was open to the public, and

public notice of the time, place, and purpose of said Meeting was given all as required by Chapter 551, Texas Government Code.

SIGNED AND SEALED the 26th day March, 2019.

Rudy Galvan, Jr., Secretary
Board of Directors

Kathleen Lowman, President
Board of Directors

SOUTH TEXAS WATER AUTHORITY

Resolution 19-14

THE STATE OF TEXAS §
COUNTIES OF KLEBERG AND NUECES §
SOUTH TEXAS WATER AUTHORITY §

WHEREAS, the Board of Directors conducted a hearing on this date in reference to the annexation of the territory described in Exhibit A attached hereto; and

WHEREAS, it was deemed advisable by the Board to approve the annexation of such territory to the Authority; and

WHEREAS, it is officially found and determined: that a case of emergency or urgent public necessity exists which required the holding of the meeting at which this Resolution was adopted and that said meeting was open to the public, and public notice of the time, place and purpose of said meeting was given, all as required by Chapter 551, Texas Government Code.

THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF SOUTH TEXAS WATER AUTHORITY:

1. That the annexation of the territory described in Exhibit A is hereby approved by this Board, and it is hereby found that there will be benefit to the territory as amended.

2. That pursuant to Article 7, Chapter 436, Acts of the 66th Legislature, Regular Session, 1979, no election is required to approve the annexation as the petition was signed by all residents and landowners of the annexed territory.

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

STATE OF TEXAS :
COUNTY OF NUECES :

TO THE BOARD OF DIRECTORS OF THE SOUTH TEXAS WATER AUTHORITY:

The undersigned (herein called "Petitioner"), holder of title to the territory described by metes and bounds in Exhibit "A" which is attached hereto and incorporated herein for all purposes, being all of the residents and landowners of such territory, as shown by the tax rolls of Nueces County, Texas, and acting pursuant to the provisions of Section 11006.052, Special District Local Laws Code, respectfully petitions the Board of Directors of South Texas Water Authority that the territory described by metes and bounds in Exhibit "A" be added to and become a part of the established South Texas Water Authority, and in support of this petition would show as follows:

I.

Fee simple title and full ownership of the aforesaid territory, which lies wholly within Nueces County, Texas, is vested in Petitioner.

II.

The addition of said territory to South Texas Water Authority is feasible and practical, would be to the best interest both to the territory and to the Authority and would benefit said territory.

III.

The Authority will be able to supply water, or have water supplied, to the added territory.

IV.

This petition shall constitute an election on the part of the Petitioner, its successors and assigns, for the aforesaid land and any improvements which may be constructed thereon to become liable for all present and future debts of the Authority in the same manner and to the same extent as other lands and improvements in the Authority are liable for the Authority's debts.

V.

Petitioner hereby authorizes the Board of Directors of the Authority to levy taxes and set rates sufficient to pay their share of the aforementioned outstanding indebtedness.

WHEREFORE, Petitioner prays that this petition be properly filed, as provided by law; that the Board of Directors of South Texas Water Authority hear and consider the petition in keeping with the provisions of Section 11006.052, Special District Local Laws Code and that this petition in all things be granted and that the territory described in Exhibit "A" be added to and become a part of the established South Texas Water Authority; that after this petition is granted the Board's order thereon be filed of record and be recorded in the Deed Records of Nueces County, Texas; and that the area described in Exhibit "A" be thereafter a component part of South Texas Water Authority.

[Signatures and Acknowledgement on following page.]

EXECUTED this 29 day of JANUARY, 2019.

Patricios Riojas, III.

Angel Gonzales Riojas

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY of Nueces

Subscribed and ~~sworn~~ to before me Patricios Riojas, III. on this the 29th day of January, 2019

DAMARIS Z RESENDEZ
Notary ID # 129240034
My Commission Expires
December 20, 2020

Notary Public

My Commission Expires: 12.20.2020

NOTARY SEAL

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY of Nueces

Subscribed and sworn to before me Angel Gonzales Riojas (Elps) on this the 30th day of January, 2019.

JENNA CAMPBELL
Notary Public, State of Texas
Comm. Expires 02-01-2021
Notary ID 130989689

Notary Public

My Commission Expires: 02-01-2021

NOTARY SEAL

Exhibit "A"

To

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

Property Description:

Tract One (1), CYNDIE PARK UNIT 2, in Nueces County, Texas, being a tract of land containing 0.575 acres, more or less, out of a 29.59 acre Unit No. 2 out of 59.59 acres, more or less, out of that 238.79 acres standing in the names of John S. McGregor and C.C. Speed by deed recorded in Volume 1840, Page 1017 of the Deed Records of Nueces County, Texas and all being out of THE CASA BLANCA GRANT and being a part of Blocks Twenty-Four (24) and Twenty-Five (25) of the MANTOR, BRIGGS & KUYKENDALL SUBDIVISION of 5155.97 acres in Nueces County, Texas, according to map or plat recorded in Volume 2, Page 57 of the Map Records of Nueces County, Texas and being more particularly described on Exhibit "A" of the Warranty Deed recorded under Document No. 2001010523 of the Official Records of Nueces County, Texas.

ATTACHMENT 6

Kingsville TIRZ

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 15, 2019
Re: Kingsville Tax Increment Reinvestment Zone (TIRZ)

Background:

During the February meeting, the Board tabled taking any action on the Kingsville TIRZ. As before, the Board inquired whether Kleberg County had taken action on the TIRZ. Staff indicated that the information would be requested. Enclosed is my most recent email to Mr. Tom Ginter, Kingsville Director of Planning and Development Services. As reported in a recent weekly update, the Kleberg County Commissioners met recently and discussed the matter. A motion was made, seconded and passed to request a workshop with the City on the matter and invite STWA to attend. Additional information has not been received. The next Commissioners Court meeting should occur on March 25th.

Analysis:

To my knowledge, the previous details on the TIRZ have not changed. The area encompasses about 27 city blocks in the City's downtown area. The TIRZ does not create an additional tax, rather the incremental amount is set aside in a special fund. STWA's estimated contribution into the special fund if approved at a 100% level over the 30-year period would be slightly less than $9,600. If the Board voted to participate, STWA would select the percentage to be channeled to the special fund. In addition, the Board would decide whether to provide funds based on the taxes assessed ***or*** on the taxes collected.

Staff Recommendation:

Await information on a workshop between the City and the County in order to gather additional information.

Board Action:

Provide feedback to staff.

Summarization:

Staff's assessment of the benefit to South Texas Water Authority is unchanged from last month. The improvements to the Kingsville Downtown area are intended to spur other growth thereby increasing the overall tax base.

mcgserrato@stwa.org

From: Tom Ginter <tginter@cityofkingsville.com>
Sent: Friday, March 1, 2019 11:48 AM
To: mcgserrato@stwa.org
Subject: RE: questions on TIF

Carola:
Ok, thanks
Tom

From: mcgserrato@stwa.org <mcgserrato@stwa.org>
Sent: Friday, March 01, 2019 11:51 AM
To: Tom Ginter <tginter@cityofkingsville.com>
Cc: 'Dony Cantu' <dcantu@stwa.org>; 'Frances Rosales' <fvrosales@stwa.org>; 'Jacob Hinojosa' <jhinojosa@stwa.org>; 'Jo Ella Wagner' <jwagner@stwa.org>
Subject: FW: questions on TIF

Tom,

Just a brief note to let you know the STWA tabled the TIRZ agenda item. They are still interested in knowing about any action the Kleberg County Commissioners Court takes on the matter.

Have a Good Weekend,

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

From: mcgserrato@stwa.org <mcgserrato@stwa.org>
Sent: Monday, February 18, 2019 2:37 PM
To: 'Tom Ginter' <tginter@cityofkingsville.com>
Cc: 'Cynthia Martin' <CMartin@cityofkingsville.com>; Jo Ella Wagner <jwagner@stwa.org>; Frances Rosales <fvrosales@stwa.org>
Subject: RE: questions on TIF

Yes, this is helpful.

I am wondering also whether the Kleberg County Commissioners Court has considered the matter and, if so, did they take any action?

Thanks,
Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701

Kingsville, Texas 78364
361-592-9323 x112

From: Tom Ginter <tginter@cityofkingsville.com>
Sent: Friday, February 15, 2019 3:53 PM
To: mcgserrato@stwa.org
Cc: Cynthia Martin <CMartin@cityofkingsville.com>
Subject: questions on TIF

Carola:
I have had previous experience with them when I was the city manager in Beeville but to be sure I have also called the Nueces County Tax Assessor-Collector to answer your questions on the collection part. So this is how they do it in Nueces County with the City of Corpus Christi.

1. The tax money is collected by the tax assessor- collector
2. They then cut a check to the organizing entity which in this case would be the city
3. The Appraisal district is only involved in identifying the properties that are in the TIF District and then notifying the tax assessor-collector. Their valuation process I wouldn't think should not change
4. As you know we have already done that since you have a list of those properties that are in the TIF district, so the Appraisal District would get that property information from us. The tax assessor then would have to code their property tax rolls accordingly, and then it would have to make the calculations to determine the increment for each property
   Hope this helps, let me know if you have any more questions

Tom Ginter
Director of Planning and Development Services
City of Kingsville
(O) 361-595-8053
(C) 361-219-8830

ATTACHMENT 7

License Agreement – City of Bishop PS Facilities

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 22, 2019
Re: City of Bishop – License Agreement – Bishop East PS Property

Background:

As reported last month, in late January the Bishop City Council reviewed the License Agreement drafted by STWA's legal counsel and approved by the STWA Board; however, the Council voted to table action on the Agreement. Email communication indicated that the City wanted modifications. To date, STWA has not received any proposed changes from the City. Today, however, the enclosed email from City Secretary Cynthia Contreras arrived indicating that the Council's March 27, 2019 agenda would include the License Agreement as a topic. This meeting date is the day following STWA's meeting on March 26th.

Analysis:

Staff's analysis from last month is unchanged. Without any specific details or counter language from the City, staff and legal counsel are unable to provide any recommended changes to the offered Agreement.

Staff Recommendation:

Keep the Board updated on any developments related to this matter.

Board Action:

Provide feedback to staff and legal counsel. Determine if any additional communication with the City is warranted.

Summarization:

As indicated in my response to Ms. Contreras, I have placed the Council's meeting on my calendar. However, it warrants reminding the Board that I have attended three (3) Council meetings with the same pattern – the Council goes into a closed session with their legal counsel, the Council returns from the closed session, and without any discussion or specifics the Council either tables action or votes to approve what was discussed in closed session.

mcgserrato@stwa.org

From: mcgserrato@stwa.org
Sent: Friday, March 22, 2019 9:31 AM
To: 'bishopcitysecretary@corpus.twcbc.com'
Cc: 'mayormiller-bishop@corpus.twcbc.com'; Bill Flickinger
Subject: RE: Council meeting

Cynthia,

Thank-you for the notice. I have placed it on my calendar.

Have a good weekend, too.

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

From: bishopcitysecretary@corpus.twcbc.com <bishopcitysecretary@corpus.twcbc.com>
Sent: Friday, March 22, 2019 9:08 AM
To: Carola G. Serrato <mcgserrato@stwa.org>
Cc: mayormiller-bishop@corpus.twcbc.com
Subject: Council meeting
Importance: High

Good Morning Carola,

Just wanted to let you know that the License Agreements for STWA and Nueces WSC will be a topic for discussion on Wednesday, March 27th; our meeting starts at 5:00 p.m. Have a great day and weekend.

Respectfully,

Cynthia L. Contreras
City Secretary
City of Bishop
PO Box 356
Bishop, Texas 78343
Phone: (361) 584-2567 ext. 106
Fax: (361) 584-3253
bishopcitysecretary@corpus.twcbc.com

ATTACHMENT 8

Driscoll Water Supply Contract

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 22, 2019
Re: City of Driscoll – 20-Year Wholesale Water Supply Contract

Background:

Enclosed is the most recent email communication sent to Mr. John Valls, Interim City Administrator. As indicated in the email, the City will be holding an election on May 4, 2019 to fill the vacancy on the Council. In addition, City Secretary Armendina Garcia has been contacted and the information provided to Mr. Valls has been forwarded to her.

Analysis:

As reported previously, staff and legal counsel believe that it would be beneficial to meet with City representatives to review the contract and discuss any concerns the City may have. Staff believes that staying in touch with the City is warranted to convey our continued interest in entering into a long-term contract as well as maintaining a record of STWA's efforts in that regard.

Staff Recommendation:

As before, staff will keep the Board updated on this matter and continue to contact the City to arrange a meeting with legal counsel and City representatives.

Board Action:

Provide feedback to staff and legal counsel.

Summarization:

My opinion from last month is unchanged. I believe keeping a line of communication open with the City demonstrates that STWA is making a good faith effort to negotiate a contract which directly impacts the Incremental Fees paid by the City each month. To date, the City has paid $25,112.61 in those fees.

mcgserrato@stwa.org

From: mcgserrato@stwa.org
Sent: Friday, March 15, 2019 3:21 PM
To: 'John Valls'
Cc: Bill Flickinger
Subject: RE: City of Driscoll - STWA Water Supply Contract

Good Afternoon John,

Just a quick follow-up on contract negotiations. On Monday, March 18, STWA staff will begin working on the Agenda and Packet for the March 26th STWA Board Meeting. I have reported to the STWA Board that a vacancy remains on the City's Council. I understand that the City will be holding an election on May 4th to fill that available Council position. STWA remains interested in meeting with City representatives to review the offered contract. Please let me know if STWA can provide any additional information.

Thanks and have a great weekend,

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

From: mcgserrato@stwa.org <mcgserrato@stwa.org>
Sent: Tuesday, February 19, 2019 11:14 AM
To: 'John Valls' <jvalls@cityofdriscoll.com>
Cc: Bill Flickinger <bflickinger@wfaustin.com>
Subject: RE: City of Driscoll - STWA Water Supply Contract

Good Morning John,

Just a quick follow-up to our telephone call after Driscoll's recent election. My recollection is that the City will be having another election to fill the vacancy created when Councilman Gonzalez was elected to the Mayor's position. Do you have a timeline for the next election?

STWA would still like to meet with City representatives to review the offered Wholesale Water Supply Contract. As mentioned previously, we believe the process used in negotiating a contract with the City of Kingsville worked very well by meeting several times with City representatives including Kingsville's City Attorney and STWA's legal counsel.

I look forward to hearing from you.

Thanks and have a great day,

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701

Kingsville, Texas 78364
361-592-9323 x112

From: John Valls <jvalls@cityofdriscoll.com>
Sent: Tuesday, November 20, 2018 10:44 AM
To: mcgserrato@stwa.org
Subject: Re: City of Driscoll - STWA Water Supply Contract

Carola,

I apologize for the delay as it was my hope to have this addressed in November, however, the council does not want to address this issue until the election for a new mayor has concluded at the middle of the month.

I'll be back in touch once that matter is resolved.

Regards and best wishes for a happy Thanksgiving.

John

From: mcgserrato@stwa.org <mcgserrato@stwa.org>
Sent: Tuesday, November 20, 2018 10:27:34 AM
To: John Valls
Cc: Jo Ella Wagner; Frances Rosales; Bill Flickinger
Subject: FW: City of Driscoll - STWA Water Supply Contract

Good Morning John,

I left a voice message for you at the 387-3011 extension 4 number. We are in the process of preparing the STWA Board Agenda and Packet for the December 4th meeting. I will be out of the office most of next week and was hoping to get a head start.

Do you have any information on the City Council's upcoming schedule? As mentioned previously, STWA's legal counsel and I would like to meet with City representatives to review the contract and address any concerns the City may have.

Looking forward to hearing from you,

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701

Kingsville, Texas 78364
361-592-9323 x112

From: mcgserrato@stwa.org <mcgserrato@stwa.org>
Sent: Monday, October 15, 2018 10:58 AM
To: John Valls (jvalls@cityofdriscoll.com) <jvalls@cityofdriscoll.com>
Cc: Bill Flickinger <bflickinger@wfaustin.com>; 'Dony Cantu (dcantu@stwa.org)' <dcantu@stwa.org>; 'Frances Rosales' <fvrosales@stwa.org>; 'Jacob Hinojosa' <jhinojosa@stwa.org>; 'Jo Ella Wagner' <jwagner@stwa.org>
Subject: FW: City of Driscoll - STWA Water Supply Contract
Importance: High

Good Morning John,

Just a quick follow-up on the Driscoll City Council's schedule and the Driscoll – STWA Wholesale Water Supply Contract.

On September 28th, when we met on a TxDOT matter, you indicated that the City's Council's anticipated October 3rd meeting had to be rescheduled. You thought the meeting could possibly occur during the week of October 8th and, if so, the Council would be reviewing the contract on a preliminary basis only.

As stated previously, STWA's legal counsel and I would like to meet with City representatives to review any areas of concern for the City. If the Council would like us to attend an upcoming meeting, please let us know and we will endeavor to attend.

As an FYI, the STWA Board is scheduled to meet next Tuesday, October 22nd at 5:30 p.m. in the STWA conference room. This matter will be an agenda item.

Thanks and have a good day,
Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

From: mcgserrato@stwa.org <mcgserrato@stwa.org>
Sent: Wednesday, September 5, 2018 10:44 AM
To: John Valls (jvalls@cityofdriscoll.com) <jvalls@cityofdriscoll.com>
Cc: Bill Flickinger <bflickinger@wfaustin.com>; 'Dony Cantu (dcantu@stwa.org)' <dcantu@stwa.org>; 'Frances Rosales' <fvrosales@stwa.org>; 'Jacob Hinojosa' <jhinojosa@stwa.org>; 'Jo Ella Wagner' <jwagner@stwa.org>
Subject: FW: City of Driscoll - STWA Water Supply Contract
Importance: High

Good Morning John,

Just a quick follow-up on the email below. The STWA Board met yesterday. I reported that I would continue to touch base with you about a meeting between Driscoll representatives and STWA. STWA's legal counsel, Bill Flickinger, and I met several times with City of Kingsville representatives including the City Attorney prior to that contract being executed. We believe this would be very helpful in advancing this matter.

Please let me know if you need any additional information. I look forward to hearing from you.

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

From: mcgserrato@stwa.org <mcgserrato@stwa.org>
Sent: Monday, August 27, 2018 11:52 AM
To: John Valls (jvalls@cityofdriscoll.com) <jvalls@cityofdriscoll.com>
Cc: Jo Ella Wagner <jwagner@stwa.org>; Frances Rosales <fvrosales@stwa.org>
Subject: City of Driscoll - STWA Water Supply Contract

John,

Per our conversation this morning, attached is the cover letter to Mayor Zavala with enclosures. My recollection was correct that the letter with the contract was copied to the other two council persons. Please let me know if you need any additional information. The STWA Board will be meeting next week on Tuesday, September 4th. The contract will be an item on the agenda.

Have a good day,

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

ATTACHMENT 9

Bids – Equipment Barn

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 22, 2019
Re: Bids and Award for Construction of an Equipment Barn

Background:

Last month the Board reviewed quotes received for the construction of an equipment shed to house the new excavator. The quotes were for a shed designed to have three (3) bays and would also store anodes and materials for the Cathodic Protection (CP) project. This capital acquisition project was included in the FY 2019 budget in the amount of $50,000.

After reviewing the bids and discussion, staff was instructed to consider several options including a larger size structure and a structure with two (2) open ends that would be designed to "drive through." The discussion included the possibility of purchasing a prefabricated kit and having field personnel erect the building or hiring a company to erect the purchased kit.

Analysis:

As stated during the meeting, STWA will need to abide by certain guidelines if the price of the project exceeds $75,000. Enclosed are the applicable rules (Water Code 49.273).

Information was collected regarding larger sized buildings. Enclosed are costs for three (3) larger size kits. (Kit prices obtained in November are also enclosed.) Staff requested bids from three (3) contractors for turn-key construction of a 30' x 100' and 40' x 100' shed using the existing concrete slab and tying into the slab for a new structure. However, only two (2) companies have provided bids despite numerous attempts to obtain the third bid. The larger size kits (without concrete foundation) range in price from about $26,000 for a 40' x 60' structure to about $42,500 for a 40' x 100' structure. The turn-key construction prices range from $78,300 (Will Pope Construction for 30' x 100') to $131,339 (D&R Sales for 40' x 100').

With regards to the option of purchasing a kit and having field personnel erect the shed, it warrants repeating concerns mentioned in the past. Current work load would likely prevent the shed being built in a timely fashion. As Executive Director, I have considerable safety and liability reservations with regards to STWA field crew being instructed to perform construction tasks that are not typical of their job duties and for which they are unfamiliar.

In addition, kit suppliers have been questioned about providing a contractor and contractors have been questioned about erecting kits. Kit suppliers will not provide a contractor – they may provide a list of companies. Contractors are not typically willing to erect a building that they did not purchase. This raises the issue of responsibility – who will fix the problem when something is wrong. The problems could range from damaged or missing pieces when the kit arrives. Or, the pieces supplied don't "fit" together as they should. Or, after the construction, if a problem occurs the kit supplier and contractor will likely be pointing fingers at one another.

Staff Recommendation:

Following the last meeting, I again discussed the building dimensions, type of shed, anticipated uses for the shed and the possibility of in-house construction with field personnel. The concept of a drive-through shed was also discussed. Based on these discussions, field personnel's preference is for (a) a three-sided

building – they do not see the need for a drive-through shed – (b) that is erected by a contractor on a turn-key basis.

Based on this feedback, there are two (2) recommendations for the Board to consider:

1. Demolish the existing building and use the existing 30' x 50' foundation for a contractor to tie into and add an additional 30' x 50' of foundation to erect a new shed with five (5) bays – four (4) open bays would be 20' x 30' and the fifth area would be a 20' x 30'closed wall shop with a 16' x 16' garage door. See enclosed sketch. Based on the two (2) bids received, staff believes this project will cost more than the $75,000 amount stipulated in Water Code 49.273(d). In addition, staff believes the project would require engineering services per the description of 49.273 (a).

2. Demolish the existing building and solicit quotes for a contractor to use the existing 30' x 50' foundation to erect a new shed with three (3) open bays – two (2) bays would be 16'8" x 30' and one (1) bay would be 16'8" x 15'. The "back half" of the third bay would be a closed wall shop with a 12' x 12' garage door. See enclosed sketch. Based on the bids reviewed during the February Board meeting, staff believes this project would cost less than the $75,000 amount stipulated in Water Code 49.273 (d) and would not require engineering services described in 49.273 (a).

Board Action:

Determine whether to:

1. Instruct staff to issue a Request for Qualifications or make a recommendation for the selection of an engineer or engineering firm to provide services for the necessary "bidding documents, plans, specifications, and other data needed to bid" on the construction of a 30' x 100' equipment shed per the requirements of Water Code 273; or

2. Instruct staff to solicit bids from three (3) contractors to demolish the existing equipment shed and erect a 30' x 50' equipment shed on the existing foundation for presentation to the Board at an upcoming meeting; or

3. Select a different size building to construct according to one of the processes outlined in item 1 or item 2; or

4. Select a building size to construct using a method different from the processes outlined in item 1 or item 2; or

5. Forgo construction of an equipment shed.

Summarization:

As stated during the meeting and found in Water Code 49.273 (g), "The board may not subdivide work to avoid the advertising requirements specified in this section." According to legal counsel, this would not apply if the intent in purchasing a kit and having a contractor or field personnel erect the building is meant to save money. However, staff continues to believe that it is best to avoid that perception regardless of the reason.

mcgserrato@stwa.org

From: Bill Flickinger <bflickinger@wfaustin.com>
Sent: Tuesday, November 13, 2018 1:30 PM
To: Carola Serrato (mcgserrato@stwa.org)
Subject: STWA - Bidding Procedures
Attachments: 20181113132923.pdf

Dear Carola:

Per our conversation of this morning, I am attaching a copy of Section 49.273, Texas Water Code which sets forth the bidding and advertisement requirements. As an alternative you can use BuyBoard.

Very truly yours,

Bill Flickinger

Willatt & Flickinger, PLLC
Attorneys at Law
12912 Hill Country Blvd., Suite F-232
Austin, Texas 78738

Phone: (512) 476-6604
Facsimile: (512) 469-9148

Email: bflickinger@wfaustin.com

CONFIDENTIALITY NOTICE: This email transmission (and/or the attachments which accompany it) may contain confidential information belonging to the sender which is protected by the attorney-client privilege. The information is intended only for the use of the intended recipient. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on the contents of this information is strictly prohibited. Any unauthorized interception of this transmission is illegal under the law. If you have received this transmission in error, please promptly notify the sender by reply email, and then destroy all copies of the transmission. Thank you.

economic incentives for early completion of the work or economic disincentives for late completion of the work.

Added by Acts 1995, 74th Leg., ch. 715, Sec. 2, eff. Sept. 1, 1995. Amended by Acts 2001, 77th Leg., ch. 1423, Sec. 16, eff. June 17, 2001; Acts 2003, 78th Leg., ch. 248, Sec. 19, eff. June 18, 2003. Amended by:

Acts 2007, 80th Leg., R.S., Ch. 33 (S.B. 657), Sec. 1, eff. September 1, 2007.

Acts 2007, 80th Leg., R.S., Ch. 452 (H.B. 576), Sec. 1, eff. June 16, 2007.

Acts 2009, 81st Leg., R.S., Ch. 87 (S.B. 1969), Sec. 24.006, eff. September 1, 2009.

Sec. 49.272. REPORTS FURNISHED TO PROSPECTIVE BIDDERS. The board shall furnish to any person who desires to bid on construction work, and who makes a request in writing, a copy of the engineer's report or plans and specifications showing the details of the work to be done. The board may charge for each copy of the engineer's report or plans and specifications an amount sufficient to cover the cost of making the copy.

Added by Acts 1995, 74th Leg., ch. 715, Sec. 2, eff. Sept. 1, 1995.

Sec. 49.273. CONTRACT AWARD. (a) The board shall contract for construction and repair and renovation of district facilities

and for the purchase of equipment, materials, machinery, and all things that constitute or will constitute the plant, works, facilities, or improvements of the district in accordance with this section. The bidding documents, plans, specifications, and other data needed to bid on the project must be available at the time of the first advertisement and the advertisement shall state the location at which these documents may be reviewed.

(b) A contract may cover all the work to be provided for the district or the various elements of the work may be segregated for the purpose of receiving bids and awarding contracts. A contract may provide that the work will be completed in stages over a period of years.

(c) A contract may provide for the payment of a total sum that is the completed cost of the work or may be based on bids to cover cost of units of the various elements entering into the work as estimated and approximately specified by the district's engineers, or a contract may be let and awarded in any other form or composite of forms and to any responsible person or persons that, in the board's judgment, will be most advantageous to the district and result in the best and most economical completion of the district's proposed plants, improvements, facilities, works, equipment, and appliances.

(d) For contracts over $75,000, the board shall advertise the letting of the contract, including the general conditions, time,

and place of opening of sealed bids. The notice must be published in one or more newspapers circulated in each county in which the district is located. If there are more than four counties in the district, notice may be published in any newspaper with general circulation in the district. The notice must be published once a week for two consecutive weeks before the date that the bids are opened, and the first publication must be not later than the 14th day before the date of the opening of the sealed bids.

(e) For contracts over $25,000 but not more than $75,000, the board shall solicit written competitive bids on uniform written specifications from at least three bidders.

(f) For contracts of not more than $25,000, the board is not required to advertise or seek competitive bids.

(g) The board may not subdivide work to avoid the advertising requirements specified in this section.

(h) The board may not accept bids that include substituted items unless the substituted items were included in the original bid proposal and all bidders had the opportunity to bid on the substituted items or unless notice is given to all bidders at a mandatory pre-bid conference.

(i) If changes in plans, specifications, or scope of work are necessary or beneficial to the district, as determined by the board, after the performance of the contract is begun, or if it is necessary or beneficial to the district, as determined by the

board, to decrease or increase the quantity of the work to be performed or of the materials, equipment, or supplies to be furnished, the board may approve change orders making the changes. The board may grant authority to an official or employee responsible for purchasing or for administering a contract to approve a change order that involves an increase or decrease of $50,000 or less. The aggregate of the change orders that increase the original contract price by more than 25 percent may be issued only as a result of unanticipated conditions encountered during construction, repair, or renovation or changes in regulatory criteria or to facilitate project coordination with other political entities. A change order is not subject to the requirements of Subsection (d) or (e).

(j) The board is not required to advertise or seek competitive bids for the repair of district facilities if the scope or extent of the repair work cannot be readily ascertained or if the nature of the repair work does not readily lend itself to competitive bidding.

(k) The board may use the reverse auction procedure, as defined by Section 2155.062(d), Government Code, for purchasing.

(l) The board is not required to advertise or seek competitive bids for security or surveillance systems or components of or additions to district facilities relating to security or surveillance, including systems used for the prevention of

terrorist or criminal acts and incidents or acts of war, if the board finds that doing so would compromise the safety and security of district facilities or residents.

(m) In accordance with this section, the board of a district created by special law may elect to contract for the construction and repair and renovation of district facilities and for the purchase of equipment, materials, machinery, and all things that constitute or will constitute the plant, works, facilities, or improvements of the district, notwithstanding a conflicting provision in the district's special law. For such a district, an election under this subsection must be by resolution of the board and applies only to a contract entered into on or after the effective date of the resolution.

Added by Acts 1995, 74th Leg., ch. 715, Sec. 2, eff. Sept. 1, 1995. Amended by Acts 1997, 75th Leg., ch. 1070, Sec. 19, eff. Sept. 1, 1997; Acts 2001, 77th Leg., ch. 436, Sec. 9, eff. May 28, 2001; Acts 2001, 77th Leg., ch. 1423, Sec. 17, eff. June 17, 2001; Acts 2003, 78th Leg., ch. 248, Sec. 20, eff. June 18, 2003.

Amended by:

Acts 2007, 80th Leg., R.S., Ch. 33 (S.B. 657), Sec. 2, eff. September 1, 2007.

Acts 2011, 82nd Leg., R.S., Ch. 479 (H.B. 679), Sec. 6, eff. June 17, 2011.

Acts 2013, 83rd Leg., R.S., Ch. 105 (S.B. 902), Sec. 19, eff.

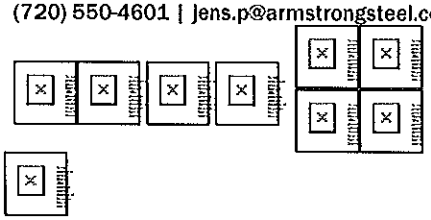
mcgserrato@stwa.org

From: noreply@salesforce.com on behalf of Jens Petersen <jens.p@armstrongsteel.com>
Sent: Tuesday, March 5, 2019 4:13 PM
To: mcgserrato@stwa.org ——— Sent to me
Subject: Your Spec Sheet - 30x100x16
Attachments: Galvan_Jr_Rudy_PetersenA3DBUILD.pdf; Spec Sheet - 30x100x16.pdf

Rudy,

Attached is the spec sheet for the building we discussed. Here is a site that will help explain the spec sheet and answer a lot of your questions. Here are some brochures that you might want to check out. I'm sure you'll have questions, so don't hesitate to get in touch with me.

Jens Petersen
Building Consultant | Armstrong Steel Corp.
(720) 550-4601 | Jens.p@armstrongsteel.com



I spoke. w/ Jens twice. Despite my Correction regarding the correct name to send the information — the email & quotes were made to Mr. Galvan.

ARMSTRONG STEEL CORPORATION

Jens Petersen
(720) 550-4601
jens.p@armstrongsteel.com

Building Specifications

QUOTE #	DATE
Galvan Jr.2019-02-26(E)	Mar 05, 2019

CUSTOMER DETAILS

Attention **Rudy Galvan Jr.**	Phone **(361) 595-7414**	
Building Address	County **Kleberg**	
City **Kingsville**	State **TX**	Zip **78363**

BUILDING DETAILS

Width **40'**	Length **60'**	Eave Height **16'**	Pitch **1:12**
Doors **N/A**	Windows **N/A**	Insulation **N/A**	
Wall Color **SMP - (TBD)**	Trim Color **SMP - (TBD)**	Roof Color **Galvalume Plus**	

CODES & LOADS

Ground Snow **0.0**	Roof Snow **0.0**	Wind **140.0**
Exposure **C**	Building Code **IBC-15**	Collateral Load **1**

INCLUDED

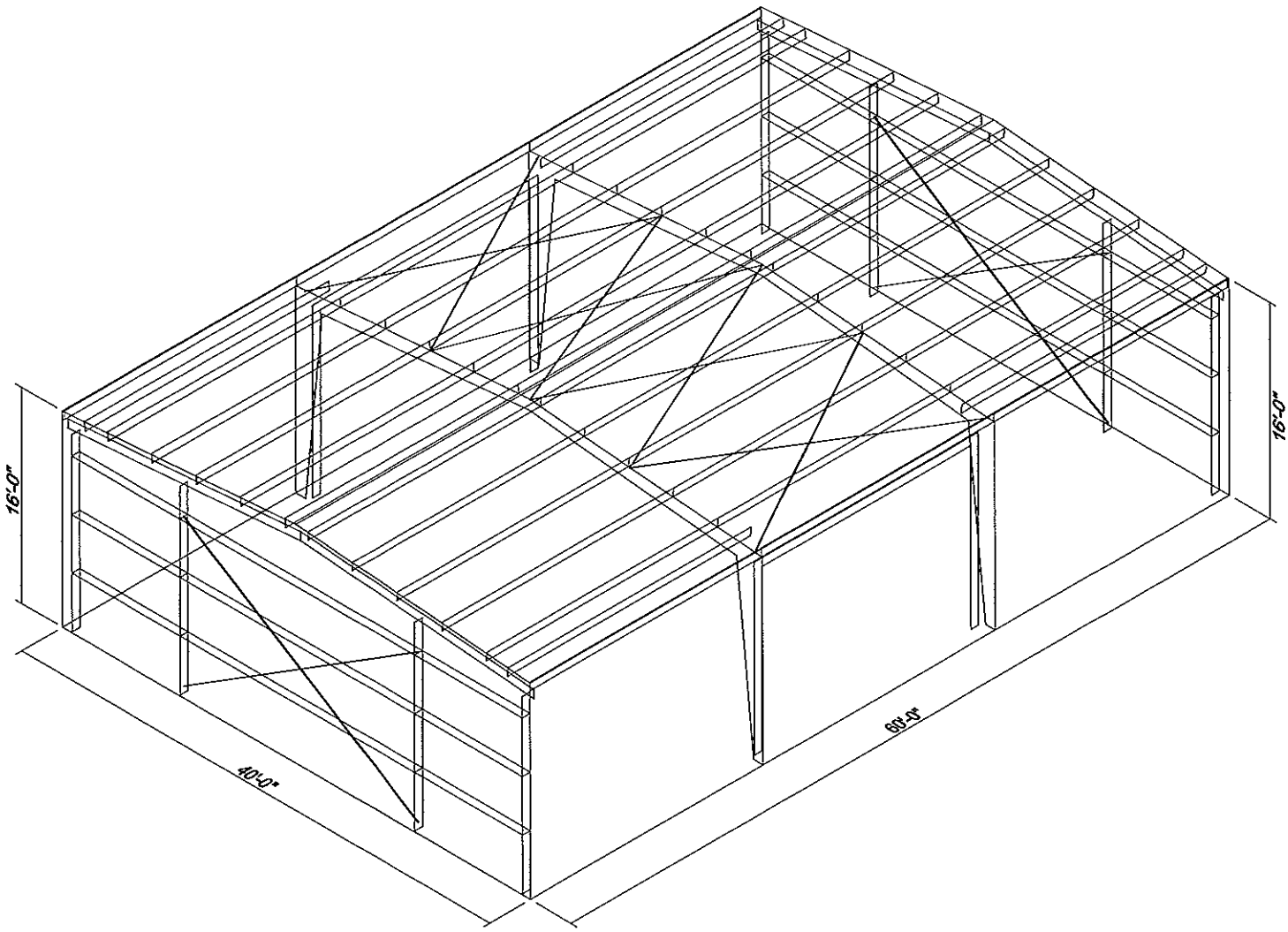
- Roof Z Purlin & Wall Z Girt Galvanized Secondary Framing
- Galvanized Endwall Framing
- Structural Steel I-Beams
- **50 Year Warranty** On All Structural Members
- 26 Gauge PBR Color Wall Sheeting **(40 Year Warranty)**
- 26 Gauge Galvalume PBR Roof **(35 Year Warranty)**
- All Fasteners and Hardware
- **Lifetime Warranty** against rust on all fasteners.
- Premium Sculpted Trim
- Premium Base Trim
- Dedicated Professional Project Manager
- Certified, Stamped & Engineered Drawings specific to your state.

- **ALL AMERICAN** – Armstrong is proud to be an American company that uses only American made materials.
- **Precision Engineering** – Our structures are faultless. State of the art technology ensures that every building is made to the highest standards.
- **On Time Delivery** – Confirmed delivery times mean more efficient crew scheduling, saving you time and money.

ENGINEERING AND DRAWINGS	INCLUDED
PROJECT MANAGER	INCLUDED
BUILDING PRICE	$25,932.00

800.345.4610

50 YEAR FACTORY WARRANTY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ARMSTRONG STEEL CORPORATION

Jens Petersen
(720) 550-4601
jens.p@armstrongsteel.com

Building Specifications

QUOTE #	DATE
Galvan Jr.2019-02-20A	Mar 05, 2019

CUSTOMER DETAILS

Attention **Rudy Galvan Jr.**	Phone **(361) 595-7414**	
Building Address	County **Kleberg**	
City **Kingsville**	State **TX**	Zip **78363**

BUILDING DETAILS

Width **30'**	Length **100'**	Eave Height **16'**	Pitch **2:12**
Doors **N/A**	Windows **N/A**	Insulation **N/A**	
Wall Color **SMP - (TBD)**	Trim Color **SMP - (TBD)**	Roof Color **Galvalume Plus**	

CODES & LOADS

Ground Snow **0**	Roof Snow **0**	Wind **145**
Exposure **C**	Building Code **IBC-15**	Collateral Load **1**

INCLUDED

- Roof Z Purlin & Wall Z Girt Galvanized Secondary Framing
- Galvanized Endwall Framing
- Structural Steel I-Beams
- **50 Year Warranty** On All Structural Members
- 26 Gauge PBR Color Wall Sheeting **(40 Year Warranty)**
- 26 Gauge Galvalume PBR Roof **(35 Year Warranty)**
- All Fasteners and Hardware
- **Lifetime Warranty** against rust on all fasteners.
- Premium Sculpted Trim
- Premium Base Trim
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- Certified, Stamped & Engineered Drawings specific to your state.

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- **On Time Delivery** – Confirmed delivery times mean more efficient crew scheduling, saving you time and money.

ENGINEERING AND DRAWINGS	INCLUDED
PROJECT MANAGER	INCLUDED
BUILDING PRICE	$27,964.80

800.345.4610

50 YEAR FACTORY WARRANTY

ARMSTRONG STEEL CORPORATION

Jens Petersen
(720) 550-4601
jens.p@armstrongsteel.com

Building Specifications

QUOTE #	DATE
Galvan Jr.2019-03-01(F)	Mar 05, 2019

CUSTOMER DETAILS

Attention **Rudy Galvan Jr.**	Phone **(361) 595-7414**	
Building Address	County **Kleberg**	
City **Kingsville**	State **TX**	Zip **78363**

BUILDING DETAILS

Width **40'**	Length **100'**	Eave Height **20'**	Pitch **1:12**
Doors **N/A**	Windows **N/A**	Insulation **N/A**	
Wall Color **SMP - (TBD)**	Trim Color **SMP - (TBD)**	Roof Color **Galvalume Plus**	

CODES & LOADS

Ground Snow **0.0**	Roof Snow **0.0**	Wind **140.0**
Exposure **C**	Building Code **IBC-15**	Collateral Load **1**

INCLUDED

- Roof Z Purlin & Wall Z Girt Galvanized Secondary Framing
- Galvanized Endwall Framing
- Structural Steel I-Beams
- **50 Year Warranty** On All Structural Members
- 26 Gauge PBR Color Wall Sheeting **(40 Year Warranty)**
- 26 Gauge Galvalume PBR Roof **(35 Year Warranty)**
- All Fasteners and Hardware
- **Lifetime Warranty** against rust on all fasteners.
- Premium Sculpted Trim
- Premium Base Trim
- Dedicated Professional Project Manager
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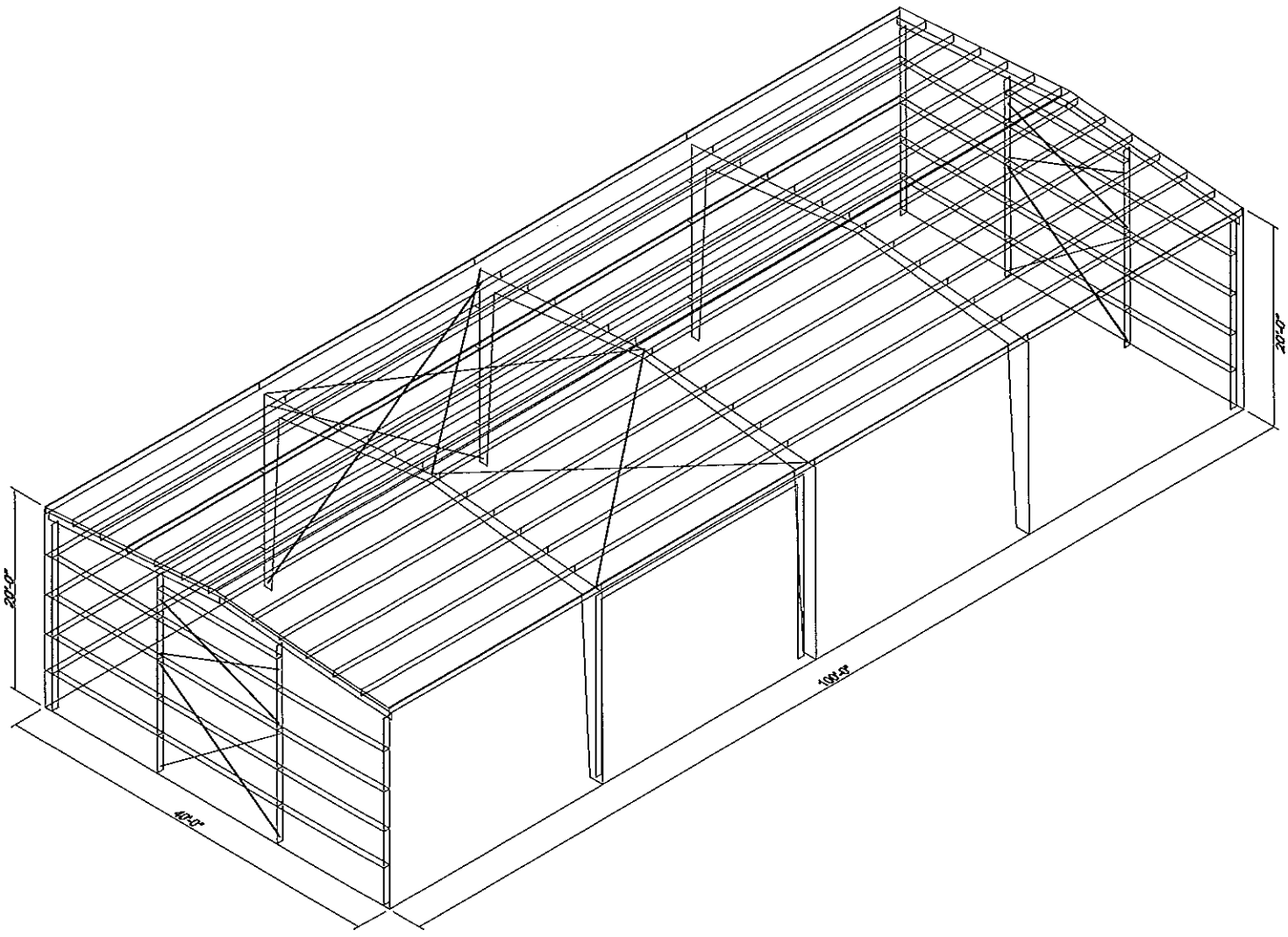
- **On Time Delivery** – Confirmed delivery times mean more efficient crew scheduling, saving you time and money.

ENGINEERING AND DRAWINGS	INCLUDED
PROJECT MANAGER	INCLUDED
BUILDING PRICE	$42,563.40

800.345.4610

50 YEAR FACTORY WARRANTY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Will Pope Construction, Inc.

PROPOSAL

3/15/2019

Will Pope Construction
1597 Garcitas Creek Road
P.O. Box 525
Inez, TX. 77968-0525
(361) 782-6690 Office
(361) 782-8084 Cell

PROPOSAL SUBMITTED TO:
Attn: Armando Yruegas
South Texas Water Authority
P.O. Box 1701
Kingsville, Texas
ayruegas@stwa.org

Will Pope Construction hereby submits specifications for:

Demo and haul off existing building
30' x 100' x 20' high side pre-engineered building
120 mph exposure C with a 1 on 12 pitch
All galvanized framing
Building constructed per plan
(1) 16' x 16' roll up wind loaded door with chain hoist
(1) 3' x 7' metal building door
Windstorm Inspection and Engineering

Concrete Work:

Pour 30' x 50' engineered concrete slab
Break out (6) areas of existing slab to pour spread footings for columns
Pour (6) 3' x 3' x 4' spread footings for columns over existing concrete

Will Pope Construction proposes hereby to furnish all labor complete in accordance with the above specifications for the sum of:

Seventy-Eight Thousand Three Hundred Dollars and no/100's **$78,300.00**

With payments to be made in three installments as follows: 1. One third due upon concrete pouring. 2. One third due upon delivery of building materials. 3. Balance due within five days of turnkey completion.

Any alteration or deviation from above specifications involving extra costs will be executed only upon written order and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control. Damages, delays and/or material overages due to inclement weather may results in additional charges. The owner may at his/her discretion require soil testing (Geotechnical Report on soils at the building location) to be preformed solely at their own expense. Prices are guaranteed for (15) days from proposal date.

Respectfully Submitted

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above.

Signature _____ Date of acceptance_____

Will Pope Construction, Inc.

PROPOSAL

3/15/2019

Will Pope Construction
1597 Garcitas Creek Road
P.O. Box 525
Inez, TX. 77968-0525
(361) 782-6690 Office
(361) 782-8084 Cell

PROPOSAL SUBMITTED TO:
Attn: Armando Yruegas
South Texas Water Authority
P.O. Box 1701
Kingsville, Texas
ayruegas@stwa.org

Will Pope Construction hereby submits specifications for:

Demo and haul off existing building
40' x 100' x 20' high side pre-engineered building
120 mph exposure C with a 1 on 12 pitch
All galvanized framing
Building constructed per plan
(1) 16' x 16' roll up wind loaded door with chain hoist
(1) 3' x 7' metal building door
Windstorm Inspection and Engineering

Concrete Work:

Pour 2,500 sq. ft. engineered concrete slab
Break out (3) areas of existing slab to pour spread footings for columns
Pour (3) 3' x 3' x 4' spread footings for columns over existing concrete

Will Pope Construction proposes hereby to furnish all labor complete in accordance with the above specifications for the sum of:

One Hundred and One Thousand Two-Hundred and Twenty Dollars and no/100. $101,220.00

With payments to be made in three installments as follows: 1. One third due upon concrete pouring. 2. One third due upon delivery of building materials. 3. Balance due within five days of turnkey completion.

Any alteration or deviation from above specifications involving extra costs will be executed only upon written order and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents, or delays beyond our control. Damages, delays and/or material overages due to inclement weather may results in additional charges. The owner may at his/her discretion require soil testing (Geotechnical Report on soils at the building location) to be preformed solely at their own expense. Prices are guaranteed for (15) days from proposal date.

Respectfully Submitted

Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above.

Signature _____ Date of acceptance_____

THOR STEEL BUILDINGS
COVERED PARKING
SPECIALTY STEEL
FABRICATION

D & R SALES CO.

P.O. BOX 270060
2038 SARATOGA BLVD.
CORPUS CHRISTI, TX 78427-0060
(361) 853-1771 FAX (361) 853-1626

TURNKEY METAL BLDGS.
METAL ROOFS
METAL BLDG ADDITIONS
AND REPAIR

TO: South Texas Water Authority
P.O. Box 1701 Kingsville, TX 78364
Site: 2302 E. Sage Rd. Kingsville, TX 78363

DATE: 03/14/19

ATTENTION: Armando Yruegas ayruegas@stwa.org

REF: New Equipment Building

LOCATION:

ARCHITECT:

JOB PHONE: 361-592-9323 Ext. 120

WE ARE PLEASED TO SUBMIT YOU OUR QUOTATION FOR THE FOLLOWING:

D & R Sales Co. proposes to furnish and install the following engineered steel buildings and foundation:

Building: 30 x 100 x 20' to 17'6 Single Slope

- **120 mph wind code.**
- **Five (5) 20' bays.**
- **Last bay fully enclosed.**
- **Hot dipped galvanized primary steel, cold galvanized secondary.**
- **26 ga. PBR Sig 200 color roof and walls.**
- **One (1) 16 x 16 sectional overhead door with outside keyed lock and chain hoist – wind rated.**
- **Low side gutters.**

Foundation: 30'3 x 100'3 x 5" thick

- **#4 rebar 12" o/c in mat.**
- **12" x 36" exterior beams, 12" x 30" interior beams with #3 stirups 18" o/c with two (2) #5 bars.**
- **6" fill, 10 mil poly.**
- **Hot dipped galvanized anchor bolts.**
- **Based on clear level site.**

Includes basic standard city permit, windstorm and insurance.

NOTE: Any other city requirements such as civil drawings, drainage, survey, electrical and landscape will be at an additional cost.

Total Price: **$110,050.00 No Tax**

Alt. #1: Go with a 40' wide in lieu of 30'.

Total Price: **$131,339.00**

- **DUE TO VOLATILITY OF STEEL PRICES, THIS QUOTATION IS SUBJECT TO PRICE ADJUSTMENT EQUAL TO STEEL PRICE INCREASES FROM THE DATE OF THIS QUOTATION UNTIL TIME OF MATERIAL DELIVERY.**

ESTIMATED DELIVERY:

TERMS:

WARRANTY: All products sold by Seller are warranted against failure due to defective material or workmanship for a period of one (1) year from completion. **SELLER MAKES NO OTHER WARRANTY, EITHER EXPRESS OR IMPLIED, OF ANY KIND OR CHARACTER AND SPECIFICALLY MAKES NO WARRANTY AS TO THE MERCHANTABILITY OF ANY PRODUCT SOLD BY SELLER.**

This quotation constitutes an offer by Seller which offer may be accepted by the subsequent signing of this quotation by Buyer AND THE RETURN AND DELIVERY to Seller of the signed copy within **15** days.

Respectfully submitted, D&R SALES CO., INC.

Sales Representative _____
Rory Escobar

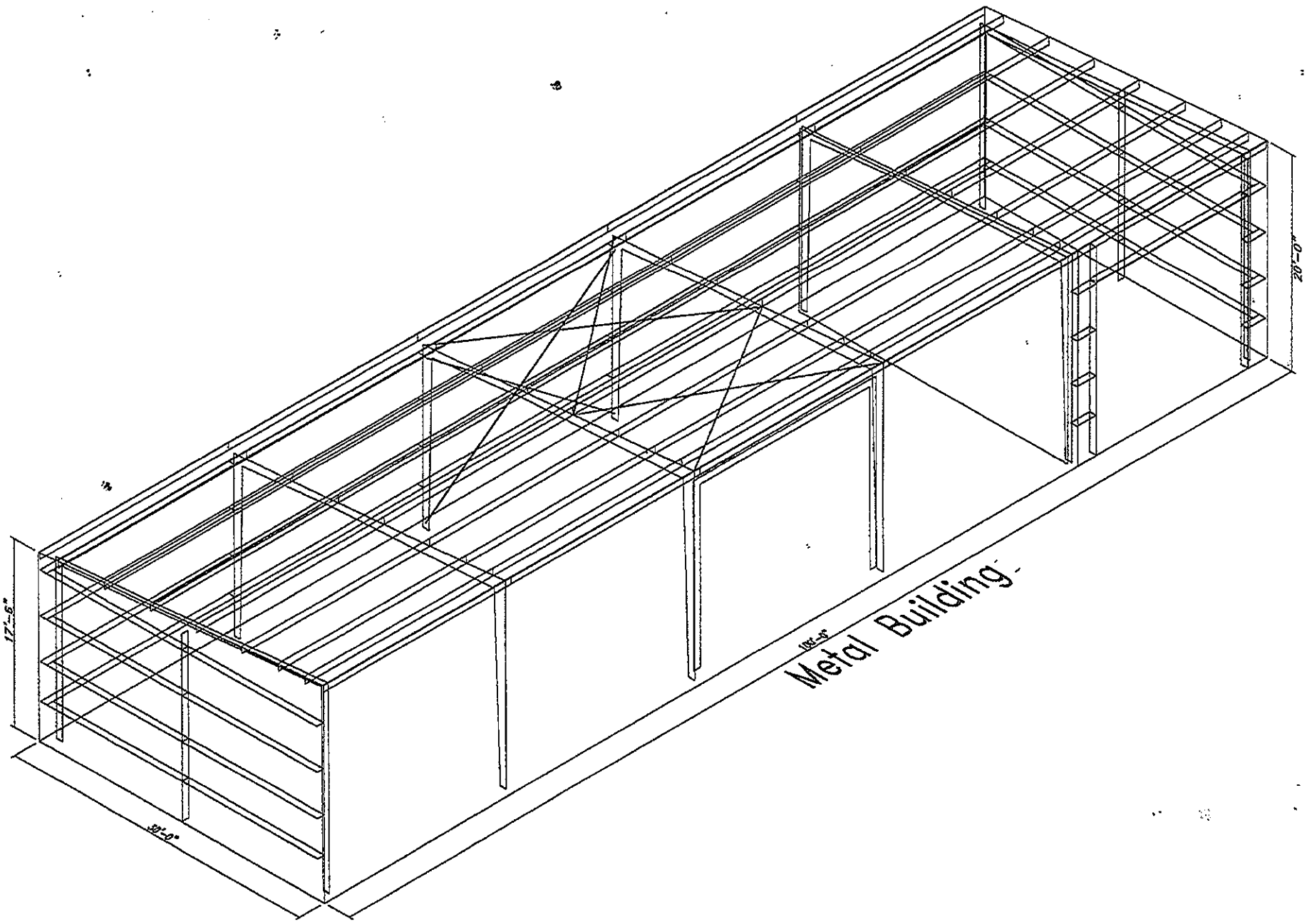
Accepted by Buyer and contract entered into at Corpus Christi, Nueces County, Texas

DATE: _____

COMPANY: _____

BY: _____

TITLE: _____



DER SALES Co. 30x100x12

ARMSTRONG STEEL CORPORATION

ARMSTRONGSTEELBUILDINGS.COM | 7 Inverness Circle E, Englewood, CO 80112 | p 800.345.4610 | f 720.730.7266

Joshua Arteaga
(720) 550-4603
joshua.a@armstrongsteel.com

Building Specifications

QUOTE #	DATE
Yruegas2018-11-15(B)	Nov 15, 2018

CUSTOMER DETAILS

Attention **Armando Yruegas**	Phone **(361) 445-5109**	
Building Address	County **Kleburg**	
City **Kingsville**	State **TX**	Zip **78363**

BUILDING DETAILS

Width **45'**	Length **25'**	Eave Height **20'**	Pitch **1:12**
Doors **N/A**	Windows **N/A**	Insulation **N/A**	
Wall Color **SMP - (TBD)**	Trim Color **SMP - (TBD)**	Roof Color **Galvalume Plus**	

CODES & LOADS

Ground Snow **0**	Roof Snow **0**	Wind **140**
Exposure **C**	Building Code **IBC-15**	Collateral Load **1**

INCLUDED

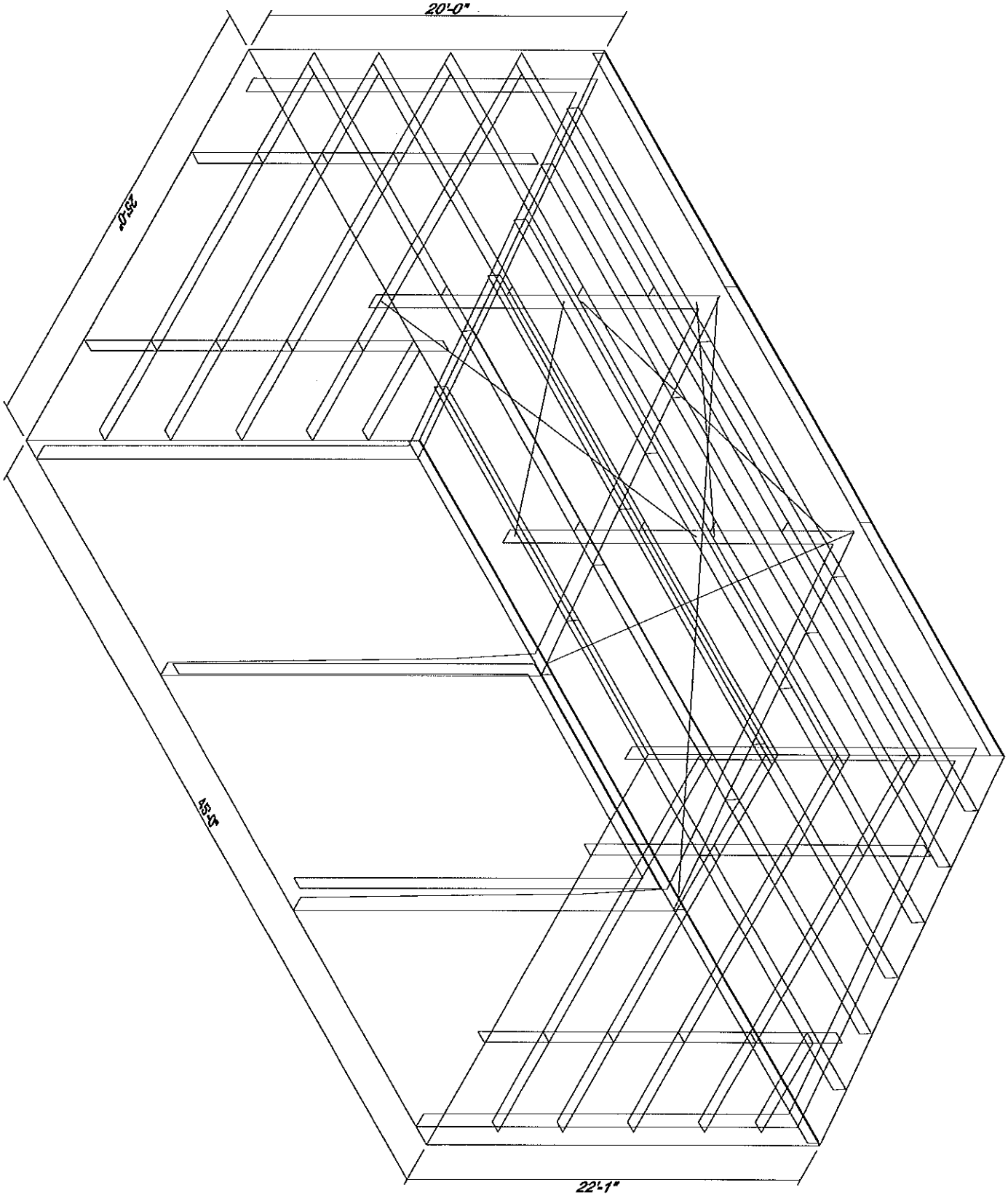
- Roof Z Purlin & Wall Z Girt Galvanized Secondary Framing
- Galvanized Endwall Framing
- Structural Steel I-Beams
- **50 Year Warranty** On All Structural Members
- 26 Gauge PBR Color Wall Sheeting **(40 Year Warranty)**
- 26 Gauge Galvalume PBR Roof **(35 Year Warranty)**
- All Fasteners and Hardware
- **Lifetime Warranty** against rust on all fasteners.
- Premium Sculpted Trim
- Premium Base Trim
- Dedicated Professional Project Manager
- Certified, Stamped & Engineered Drawings specific to your state.

- **ALL AMERICAN** – Armstrong is proud to be an American company that uses only American made materials.
- **Precision Engineering** – Our structures are faultless. State of the art technology ensures that every building is made to the highest standards.
- **On Time Delivery** – Confirmed delivery times mean more efficient crew scheduling, saving you time and money.

ENGINEERING AND DRAWINGS	INCLUDED
PROJECT MANAGER	INCLUDED
BUILDING PRICE	$23,555.00

800.345.4610

50 YEAR FACTORY WARRANTY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25'-0"
45'-5"
22'-1"

ARMSTRONG STEEL CORPORATION

ARMSTRONGSTEELBUILDINGS.COM | 2 Inverness Drive E, Englewood, CO 80112 | p800.345.4610 | f720.230.7266

Joshua Arteaga
(720) 550-4603
joshua.a@armstrongsteel.com

Building Specifications

QUOTE #	DATE
Yruegas2018-11-15(C)	Nov 16, 2018

CUSTOMER DETAILS

Attention Armando Yruegas	Phone (361) 445-5109	
Building Address	County Kleburg	
City Kingsville	State TX	Zip 78363

BUILDING DETAILS

Width 25'	Length 45'	Eave Height 20'	Pitch 1:12
Doors N/A	Windows N/A	Insulation N/A	
Wall Color SMP - (TBD)	Trim Color SMP - (TBD)	Roof Color Galvalume Plus	

CODES & LOADS

Ground Snow 0	Roof Snow 0	Wind 150
Exposure C	Building Code IBC-15	Collateral Load 1

INCLUDED

- Roof Z Purlin & Wall Z Girt Galvanized Secondary Framing
- Galvanized Endwall Framing
- Structural Steel I-Beams
- **50 Year Warranty** On All Structural Members
- 26 Gauge PBR Color Wall Sheeting **(40 Year Warranty)**
- 26 Gauge Galvalume PBR Roof **(35 Year Warranty)**
- All Fasteners and Hardware
- **Lifetime Warranty** against rust on all fasteners.
- Premium Sculpted Trim
- Premium Base Trim
- Dedicated Professional Project Manager
- Certified, Stamped & Engineered Drawings specific to your state.

- **ALL AMERICAN** – Armstrong is proud to be an American company that uses only American made materials.
- **Precision Engineering** – Our structures are faultless. State of the art technology ensures that every building is made to the highest standards.
- **On Time Delivery** – Confirmed delivery times mean more efficient crew scheduling, saving you time and money.

ENGINEERING AND DRAWINGS	INCLUDED
PROJECT MANAGER	INCLUDED
BUILDING PRICE	$23,745.00

800.345.4610

50 YEAR FACTORY WARRANTY

TOTAL LENGTH—50 FEET EACH BAY IS 16 FT 8IN WIDE

N

110v OUTLET 220v OUTLET

OH LIGHT FIXTURE

TOP VIEW—AERIAL

WIDTH—30 FEET

SOLID WALLS—to extend to top of ceiling

Area 4

Bay 1

Bay 2

Bay 3

Bay 1—New Excavator with New Trailer

Bay 2—CP Materials/Anodes & CP Trailer

Bay 3— Mini-excavator and 4" pump

Area 4—Enclosed Shop ~250 sq ft

HEIGHT—20 FEET

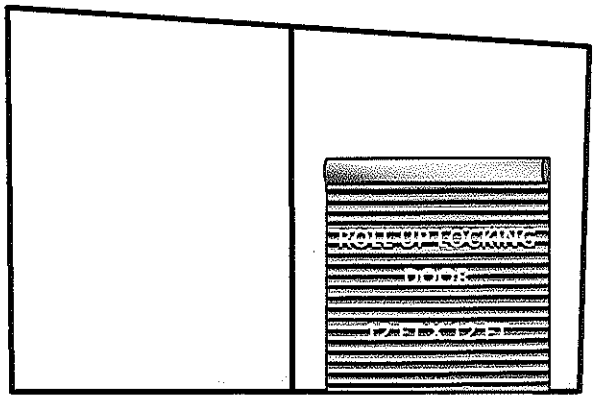
FRONT VIEW—FACING EAST

NO DOOR—OPEN BAY

NO DOOR—OPEN BAY

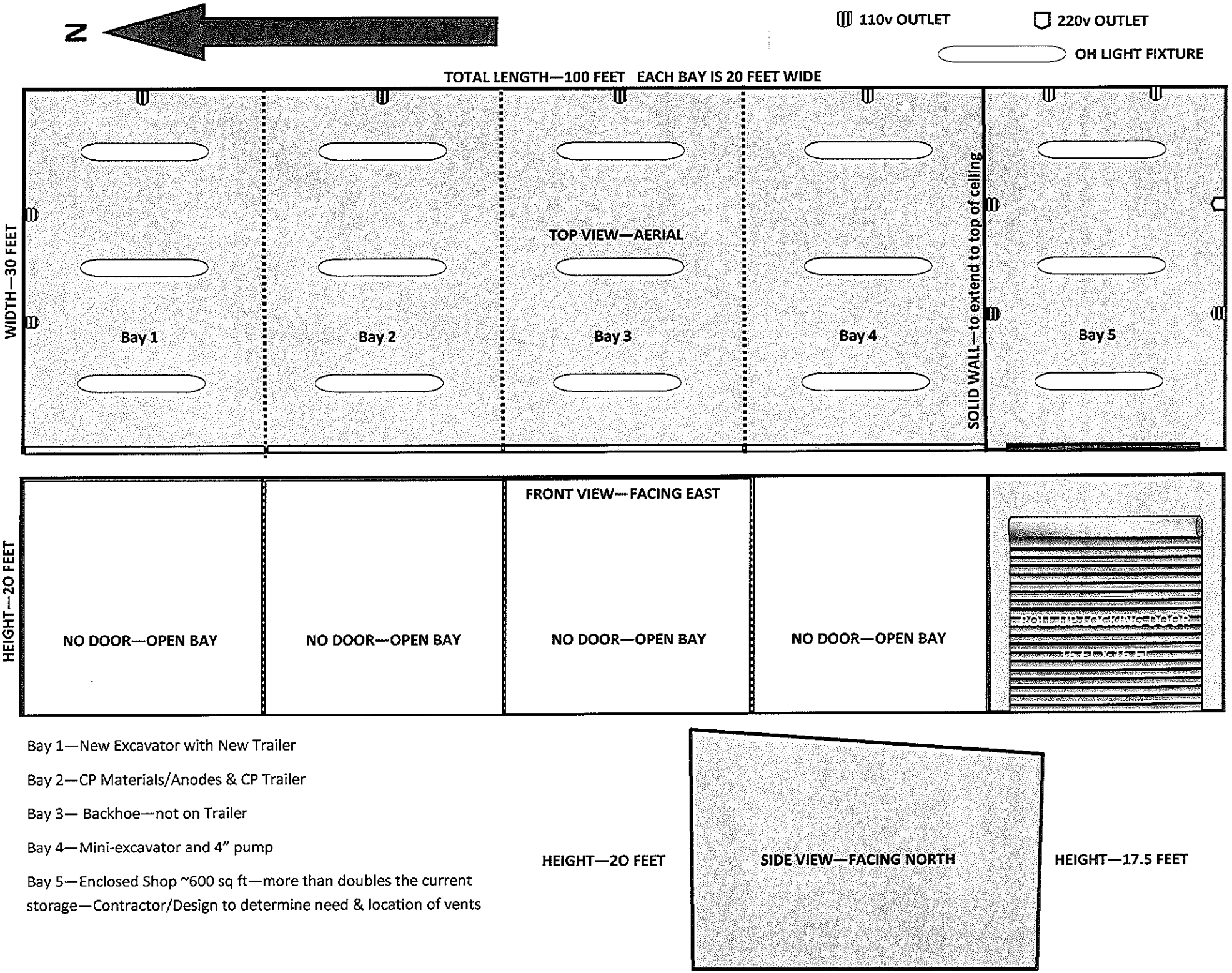
NO DOOR—OPEN BAY

HEIGHT—20 FEET



HEIGHT—17.5 FEET

SIDE VIEW—FACING NORTH



Bay 1—New Excavator with New Trailer

Bay 2—CP Materials/Anodes & CP Trailer

Bay 3— Backhoe—not on Trailer

Bay 4—Mini-excavator and 4" pump

Bay 5—Enclosed Shop ~600 sq ft—more than doubles the current storage—Contractor/Design to determine need & location of vents

ATTACHMENT 10

Resolution 19-07

SOUTH TEXAS WATER AUTHORITY

RESOLUTION 19-07

RESOLUTION AWARDING THE BID FOR CONSTRUCTION OF AN EQUIPMENT BARN.

WHEREAS, the South Texas Water Authority solicited bids for construction of an equipment barn, and

WHEREAS, the Board of Directors of the South Texas Water Authority has reviewed the bids and finds that _____has submitted the lowest responsible bid.

NOW, THEREFORE, BE IT RESOLVED that the South Texas Water Authority Board of Directors awards the bid for the equipment barn to _____ in the amount of $_____.

Duly adopted this 26th day of March, 2019.

_____
KATHLEEN LOWMAN, PRESIDENT

ATTEST:

_____
RUDY GALVAN, JR., SECRETARY/TREASURER

ATTACHMENT 11

Chloramine Booster Station – Kingsville Pump Station

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 20, 2019
Re: Chloramine (Chlorine and Ammonia) Boosting for Ricardo WSC 12-inch waterline

Background:

Last month the Board authorized staff to begin researching the possibility of installing a disinfection booster station upstream of the master meter that measures the volume of water sold to the Ricardo Water Supply Corporation (RWSC). As discussed during the meeting, the need for a booster station was recommended by Mr. David Simons, TCEQ, during a February 15th meeting following field investigation pertaining to disinfection byproducts and the operation of pump stations' disinfection systems.

The installation of a booster station will include numerous steps. The first step was to determine if the addition of a booster station on the 12" RWSC waterline would require submitting sealed engineering plans to the TCEQ for approval. Mr. Simons was contacted and he indicated that is the case. However, he asked whether it would be possible to use the existing Chlorination and LAS system boosting the residual on the Kingsville Meter Run (MR). I indicated it may be possible and it would depend on several factors.

Following the discussion with Mr. Simons and reviewing the concept with field personnel, Mr. Aaron Archer, Walker Partners, was contacted about both the RWSC MR Booster Station and Mr. Simons' suggestion. Enclosed please find emails with a schematic. It appears it may be possible to boost the residual of water delivered to Kingsville and RWSC using one (1) system. However, this will require additional research. The project would require installing a new section of 12" waterline upstream of the RWSC meter and tapping into the Kingsville MR upstream of the MOV and Meter but downstream of the chemical injections in order to avoid any operational complications. The cost of the new line, tap and necessary controls which will allow the chlorinator to receive signals from two points – Kingsville Tank Level and the RWSC line – would need to be compared to the estimated cost of installing a new booster station. In last month's memo staff listed the following as a minimum number of items for the project: some type of flow device/switch, electricity hookups, two (2) concrete slabs, two (2) prefab buildings, two (2) sets of controls, a chlorinator, a chlorinator pump with plumbing, a LAS pump with plumbing, two (2) digital scales, a LAS Containment system, two (2) taps for monitoring and two (2) taps for chemical injection.

Analysis:

Staff is inclined to believe tapping the line and using one system to boost the residual for both Kingsville and RWSC will be more cost effective. The project will likely require a set of sealed engineering plans and advertising for bids. But, staff believes it will not require review and approval by the TCEQ.

Staff Recommendation:

Continue researching using the existing system to boost the residual for Kingsville and RWSC. Keep the Board updated. At a future meeting, seek the Board's instruction on securing engineering services.

Board Action:

Provide feedback to staff.

Summarization:

Staff believes taking the necessary measures to boost the residual of RWSC's supply is prudent.

mcgserrato@stwa.org

From: mcgserrato@stwa.org
Sent: Wednesday, March 20, 2019 3:32 PM
To: 'Aaron Archer'
Cc: 'Dony Cantu'; 'Frances Rosales'; 'Jacob Hinojosa'; 'Jo Ella Wagner'
Subject: RE: 1.0 GST Plans - Kingsville MR and Disinfection Boosting for RWSC 12" line

Aaron,

I spoke with Jacob and then called Blake Roye with EI2. Jacob is of the opinion that it may not be necessary what we are trying to accomplish with the SCADA system. We are wondering if a hard wired connection from a flow meter added to the RWSC line and connected into the KI chlorination system would work.

When I spoke to Blake and asked whether EI2 worked on setting up the controls through a SCADA system, he said they did not provide that kind of service. However, I mentioned Jacob's idea and he said it should work without too much difficulty – I'm not sure I captured the entire concept of a splitter and then totalizing the two signals and then the milliamps being converted.

However, if it is necessary to involve the SCADA system, Blake indicated that this would be the type of service that Mercer Controls provides.

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

From: mcgserrato@stwa.org <mcgserrato@stwa.org>
Sent: Friday, March 15, 2019 11:14 AM
To: 'Aaron Archer' <aarcher@walkerpartners.com>
Cc: 'Dony Cantu' <dcantu@stwa.org>; 'Frances Rosales' <fvrosales@stwa.org>; 'Jacob Hinojosa' <jhinojosa@stwa.org>; 'Jo Ella Wagner' <jwagner@stwa.org>
Subject: RE: 1.0 GST Plans - Kingsville MR and Disinfection Boosting for RWSC 12" line

Aaron,

Mercer is somewhat familiar with the components at the KI MR. But, EI2 should also be able to grasp the way the system works without any problem. Jacob is out until Tuesday. I will see if he has a preference about contacting Blake Roye instead.

Jacob and I also discussed whether there was the potential for the Kingsville Meter (and RWSC Meter?) to roll backwards depending on the timing of start/stop if both KI and RWSC are taking water.

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364

361-592-9323 x112

From: Aaron Archer <aarcher@walkerpartners.com>
Sent: Friday, March 15, 2019 10:37 AM
To: mcgserrato@stwa.org
Cc: 'Dony Cantu' <dcantu@stwa.org>; 'Frances Rosales' <frosales@stwa.org>; 'Jacob Hinojosa' <jhinojosa@stwa.org>; 'Jo Ella Wagner' <jwagner@stwa.org>
Subject: RE: 1.0 GST Plans - Kingsville MR and Disinfection Boosting for RWSC 12" line

Carola,

This is very helpful. I prefer the concept of relocating the RWSC tap to the upstream side of the Kingsville MOV to simplify control and instrumentation. This would involve replacing the 44" spool piece to include a 10" x 10" tee and I may look at inserting a small inline static mixer upstream of the tee to promote mixing. This could be important when both RWSC and Kingsville are taking water to make sure that neither ends up getting a disproportionate amount of LAS or chlorine after the flow split to RWSC. I suspect that it should not be an issue to program the chloramines booster station to dose based on the RWSC MR and KI MOV. Is Mercer familiar with the SCADA system in KI? If so, it may not be a bad idea to have him or another integrator confirm the feasibility of this programming approach before we go too far down this path.

Aaron

AARON ARCHER, P.E.
Client Manager

Walker Partners
W 512.382.0021 M 512.587.0882

From: mcgserrato@stwa.org [mailto:mcgserrato@stwa.org]
Sent: Wednesday, March 13, 2019 4:49 PM
To: Aaron Archer
Cc: 'Dony Cantu'; 'Frances Rosales'; 'Jacob Hinojosa'; 'Jo Ella Wagner'
Subject: RE: 1.0 GST Plans - Kingsville MR and Disinfection Boosting for RWSC 12" line

Aaron,

Attached is a bit more information on the Kingsville MR and our understanding of what could possibly be installed and some of the challenges depending on where the RWSC tap would be located. Jacob says he has the ppd setting at around 30 which boosts to about a 2.5 mg/l residual in the KI GST. He thinks with the lower gpm in the RWSC line that setting should still not be a problem.

Please let us know if you need additional information.

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

From: mcgserrato@stwa.org <mcgserrato@stwa.org>
Sent: Monday, March 11, 2019 5:02 PM
To: 'Aaron Archer' <aarcher@walkerpartners.com>
Subject: RE: 1.0 GST Plans

Here are the applicable sheets. I'm not certain it will provide the level of detail you may want, however.

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

From: Aaron Archer <aarcher@walkerpartners.com>
Sent: Monday, March 11, 2019 4:38 PM
To: mcgserrato@stwa.org
Cc: 'Dony Cantu' <dcantu@stwa.org>; 'Frances Rosales' <fvrosales@stwa.org>; 'Jacob Hinojosa' <jhinojosa@stwa.org>; 'Jo Ella Wagner' <jwagner@stwa.org>
Subject: RE: 1.0 GST Plans

Yes, I only need to see the site plan and any details that show how it ties to the main line as well as details on the meter run.

AARON ARCHER, P.E.
Client Manager

Walker Partners
W 512.382.0021 **M** 512.587.0882

From: mcgserrato@stwa.org [mailto:mcgserrato@stwa.org]
Sent: Monday, March 11, 2019 4:32 PM
To: Aaron Archer
Cc: 'Dony Cantu'; 'Frances Rosales'; 'Jacob Hinojosa'; 'Jo Ella Wagner'
Subject: RE: 1.0 GST Plans

Aaron,

Yes, we have it in digital form; but, it is about 33 MB in size. Are there certain sections you are interested in? I can extract sheets and send – the tie in and meter run, perhaps?

Carola

Carola G. Serrato
General Manager
Ricardo Water Supply Corporation
PO Box 1572
Kingsville, Texas 78364

361-592-3952 x112

From: Aaron Archer <aarcher@walkerpartners.com>
Sent: Monday, March 11, 2019 4:11 PM
To: mcgserrato@stwa.org
Subject: RE: 1.0 GST Plans

Carola, do you have plans for the RWSC transmission main?

AARON ARCHER, P.E.
Client Manager

Walker Partners
W 512.382.0021 **M** 512.587.0882

From: mcgserrato@stwa.org [mailto:mcgserrato@stwa.org]
Sent: Tuesday, March 05, 2019 2:04 PM
To: Aaron Archer
Subject: RE: 1.0 GST Plans

Here are the plans.

CGS

From: Aaron Archer <aarcher@walkerpartners.com>
Sent: Tuesday, March 5, 2019 1:37 PM
To: mcgserrato@stwa.org
Subject: RE: 1.0 GST Plans

Yes, 8 MB should make it through.

AARON ARCHER, P.E.
Client Manager

Walker Partners
W 512.382.0021 **M** 512.587.0882

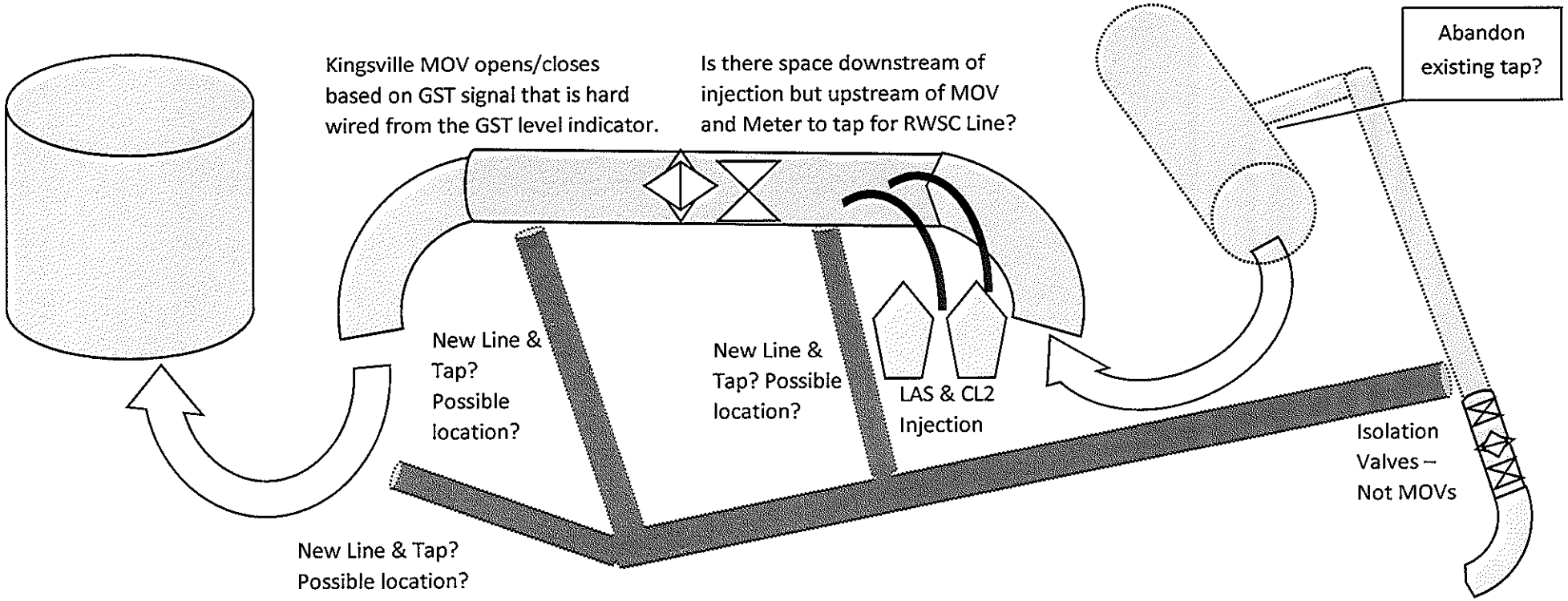
From: mcgserrato@stwa.org [mailto:mcgserrato@stwa.org]
Sent: Tuesday, March 05, 2019 11:28 AM
To: Aaron Archer
Subject: 1.0 GST Plans

Aaron,

I have the final 1.0 GST plans. The file size is 8.0 MB. Will your server allow this to go through? I can try deleting pages to reduce the size.

Carola

Carola G. Serrato
Executive Director



If tap is downstream of KI MOV and KI Meter then:

- KI bill will be <u>net amount</u> after deduct for RWSC usage.
- KI MOV will need to get signals from:
  - KI GST
  - PS #1
  - PS #2
  - PS #3
- KI MOV sends signal to CL2 which in turn signals LAS.
- Additional MOV would be needed to keep KI GST from overflowing?

- If tap is upstream of KI MOV and KI Meter but downstream of CL2 & LAS injection then valve on RWSC MR can remain open and water will flow whenever MOVs open at
  - PS #1
  - PS #2
  - PS #3
- Flow switch on RWSC MR would send a signal to KI CL2 which in turn signals LAS.
- This means CL2 system would be getting signals from 2 systems – KI GST and RWSC MR. Is this possible?
- What would happen when both are calling for injection?

ATTACHMENT 12

CP Report/Anode Bids

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 21, 2019
Re: Authorization to purchase zinc anodes, including freight charges/CP Project Update

Background:

Enclosed are memos from the last anode purchases in October 2001 and April 2002. Also enclosed are four (4) bids for the purchase of either 250 anodes or 500 anodes. Staff has been told the Bobcat excavator ships out from North Dakota this week. The new trailer is expected to arrive the first week of April. Enclosed is Mr. Armando Yruegas' memo on the status of the project including his recommendation on the purchase of the anodes.

Analysis:

It has been approximately seventeen (17) years since the last purchase of anodes. At that time, the cost was $29.36 per anode. As you can see from the recent quotes, the cost has increased substantially. Also, due to price fluctuation, some quotes are time sensitive. Below is a chart summarizing the four (4) bids:

Company	Valid Period	Cost @ 250	Freight	Total	Cost @ 500	Freight	Total
Aegion/Corrpro	To 3-27-19	$91.50	included	$22,875.00	$85.25	included	$42,625.00
Farwest CCC	??	$162.00	??	$40,500.00	$158.95	??	$79,475.00
Galvotec	1 Day	$90.59	$600.00	$23,247.50	$89.39	$600.00	$45,295.00
Stuart Steel Protection	24 to 72 hours	$87.44	FOB Delivered Subject to Fuel Surcharge	$21,860.00	$86.94	FOB Delivered Subject to Fuel Surcharge	$43,470.00

Between March 19, 2019 and hiring the second CP tech on January 21st (2 months), the CP crew has installed 122 anodes covering 7,176 feet of 42" line, 3 replaced test stations and 2 new test stations. Staff estimates 250 anodes could be installed in three (3) months and 500 nodes in six (6) months. There are currently about 150 anodes in stock. Another factor to consider when determining the number of anodes to purchase is the availability of storage for the anodes.

Enclosed is information regarding the price of zinc over a 30-year period as well as the more recent price fluctuations. According to websites regarding metal prices, the major reasons for price change is due to Chinese Demand, Chinese Supply, Global Stocks, US Demand and Input Prices (the price of mining/refining the ore which uses coal, electricity and oil for energy).

Staff Recommendation:

Staff will call Galvotec and Stuart Steel the day of the Board meeting to obtain a valid quote. However, at this time, staff recommends the purchase of 500 anodes from Aegion/Corrpro at a cost of $42,625.

Board Action:

Determine whether to authorize the purchase of 500 anodes from Aegion/Corrpro at a cost of $42,625.

Summarization:

Cathodic Protection is an ongoing maintenance task and anodes are essential to this project.

To: Carola G. Serrato, Executive Director

From: Armando Yruegas, CP Technician

Date: March 19, 2019

Re: CP Update

As of March 19, 2019, 122 anodes on 107 joints on the 42" water line have been installed. This places installations at a total of 7,176 feet north of the office on King Ranch property. We have completed all of the joints on the King Ranch Property. We have replaced 3 old test stations with new ones and installed 2 new test stations. From Station 71+76 thru Station 304+82 we will be replacing 14 old test stations with new ones. We have completed 30,482 feet of the 52,300 feet of Contract 1. Hopefully we will finish Contract 1 in 6 months.

We have been checking both rectifiers, which are connected to the 42" on 1st Street in Bishop and CR 4. Both are working properly. These 2 rectifiers cover 21,122 feet of cathodic protection on Contract 1, which extends from FM 70 to the Nueces/ Kleberg County line.

We have about 150 anodes left from what we had in stock. These should last us until the beginning of May. I recommend purchasing 500 anodes from Corrpro for $85.25 each. These 500 anodes should last us 6 months.

I recommend waiting 6 months after finishing Contract 1 and have Russell/EN Engineering do a Close Interval Survey on Contract 1.

The Bobcat E85 excavator should be shipping out next week from Fargo, North Dakota. The new heavy equipment trailer should be arriving on the first week of April.

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: April 18, 2002
Re: Bids for 1,500 Zinc Anodes

Background:

Following the last meeting, staff advertised for sealed bids on 1,500 anodes for the CP project. The bid opening was held on April 18, 2002. Enclosed is the bid sheet. The previous award for anodes was $29.36 per anode.

Analysis:

As mentioned in the memorandum last month, the capital acquisition line item includes a balance of $49,361.53 for the CP project. Staff has calculated a minimum of 1520 anodes will be required to protect the remaining line. The purchase of 1500 anodes would leave approximately 440 anodes in inventory. The award of the bid to Corrpro at a cost of $43,545 will leave a balance of $5,816.53 for other necessary item such as coatings, clips, wires, etc. However, staff has reviewed our previous estimate on the cost of anodes and recommended in the FY 2002 budget amendments to transfer the approximate saving of $500 to the engineering line item under capital acquisition.

Staff Recommendation:

Award the bid to lowest responsible bidder.

Board Action:

Determine whether to award the bid to the lowest responsible bidder by adopting Resolution 02-06.

Summarization:

Staff continues to rank this project as a high priority and believes steady progress is being realized.

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 20, 2002
Re: Authorization to advertise for bids for 1,500 zinc anodes, including freight charges.

Background:

Staff has inventoried the remaining number of anodes and estimated the number of excavations/installation remaining on Contract #3. Staff has considered the need to maintain an anode inventory for areas that require additional protection from elevated stray currents such as at existing or new pipeline crossings.

Analysis:

Currently, the capital acquisition line item includes a balance of $49,361.53 for the CP project. There are currently 460 anodes in inventory and 380 estimated remaining installation sites. Based on an average of 4 anodes per site, a minimum of 1520 anodes will be required. The latest awarded bid quoted a price of $29.36 per anode. Therefore, it is estimated that $40,040.00 would be needed to purchase 1500 anodes leaving approximately 440 anodes in inventory. Should this bid closely match the last award, approximately $5321.53 would remain available for other CP supplies (wires, clips, mastic, etc.).

Staff Recommendation:

Authorize staff to advertise for bids for 1500 anodes.

Board Action:

Determine whether to authorize staff to advertise for bids.

Summarization:

Once again, staff continues to identify this project as a highest priority. Although cathodic protection of the 42" pipeline will never be finished, this purchase will enable the Authority to essentially complete this project.

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: October 29, 2001
Re: Anode Bid FY 2002

Background:

Following the last meeting, staff advertised for sealed bids on 1,000 anodes for the CP project. The bid opening is scheduled for Tuesday, November 6. Bid tabulation information will be provided at the meeting. The previous award for the same number of anodes in June 2001 was $32,490.

Analysis:

Mr. Yruegas has indicated that current inventory is approaching depletion. This purchase will cover approximately 250 excavations or 25,000 lineal feet. Contract 2 is near completion with 9,333 remaining feet. The combined remaining footage in Contract 2 and 3 is 54,373. The budgeted amount for FY 2002 is $88,000. With the purchase of this shipment, the approximate total cost for the CP project to date is $191,000. Another shipment just prior to year's end may be possible. That bid would likely be for 1150 – 1250 anodes with an estimated cost of $38,000 to $40,000.

Staff Recommendation:

Award the bid to lowest responsible bidder.

Board Action:

Determine whether to award the bid to the lowest responsible bidder by adopting Resolution 01-46.

Summarization:

Staff continues to rank this project as a high priority and believes steady progress is being realized.

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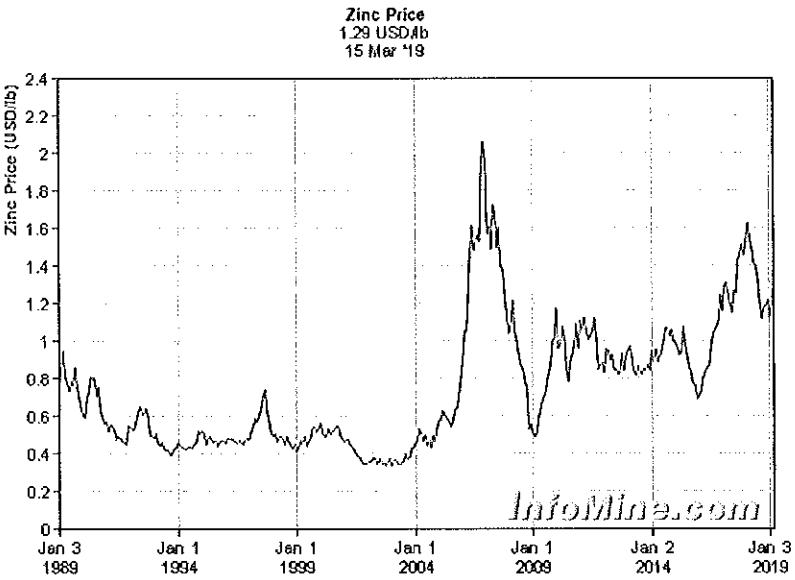
InfoMine > InvestmentMine > Metal Prices > Zinc > Historical

Historical Zinc Prices and Price Chart

Zinc Price 1.29 USD/lb (2,838.89 USD/t | 2,504.10 EUR/t) 15 Mar 2019 - 52 Week Low 1.04 USD/lb 52 Week High 1.51 USD/lb



U.S. Dollar (USD) ▼ Pound ▼

Share this chart

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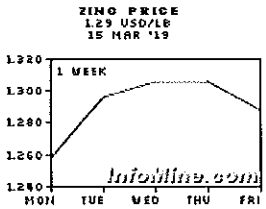
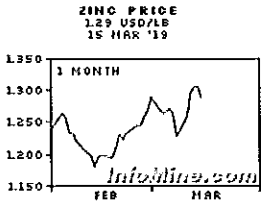
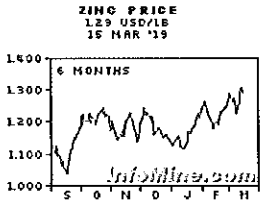
Zinc Price Charts in Different Time Ranges



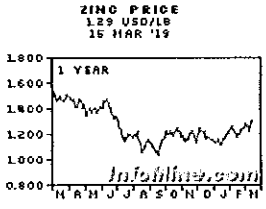
1 Week Zinc Price »
Zinc Market Data »



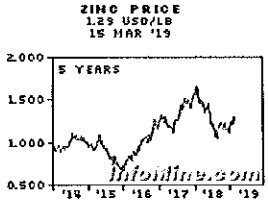
1 Month Zinc Price »
Zinc Market Data »



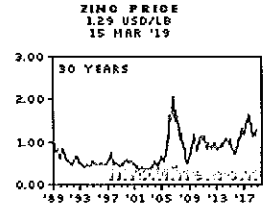
6 Month Zinc Price »
Zinc Market Data »



1 Year Zinc Price »
Zinc Market Data »



5 Year Zinc Price »
Zinc Market Data »



Historical Zinc Prices »
Zinc Market Data »

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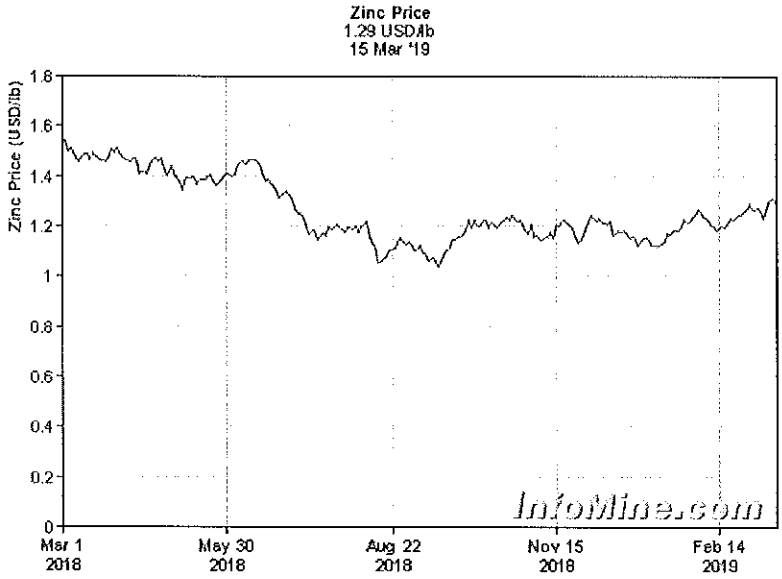
InvestmentMine

1 Year Zinc Prices and Price Charts

Zinc Price 1.29 USD/lb (2,838.89 USD/t | 2,504.10 EUR/t) 15 Mar 2019 - 52 Week Low 1.04 USD/lb 52 Week High 1.51 USD/lb



U.S. Dollar (USD) ▼ Pound ▼

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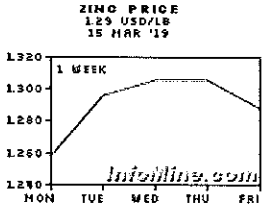
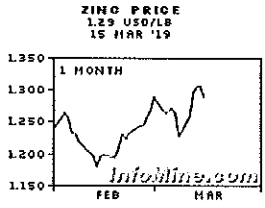
Tweet Like 13 Share

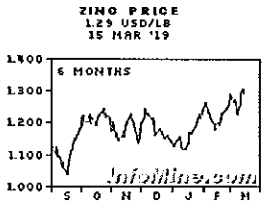
Zinc Price Charts in Different Time Ranges



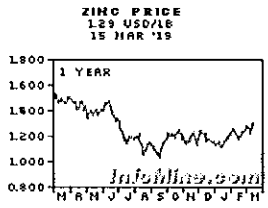
1 Week Zinc Price »
Zinc Market Data »



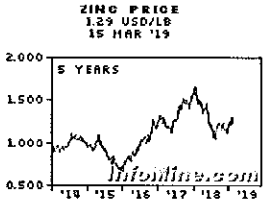
1 Month Zinc Price »
Zinc Market Data »



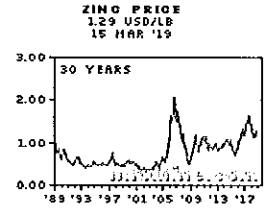
6 Month Zinc Price »
Zinc Market Data »



1 Year Zinc Price »
Zinc Market Data »



5 Year Zinc Price »
Zinc Market Data »



Historical Zinc Prices »
Zinc Market Data »

Armando

From: Joel Cisco <JCisco@aegion.com>
Sent: Monday, March 04, 2019 12:27 PM
To: Armando
Subject: RE: [EXTERNAL]Quote on Anodes
Attachments: Quote 250 Zinc Anodes.pdf; Quote 500 Zinc Anodes.pdf; Credit Application.doc

Good afternoon Armando.

I have attached two materials proposals for both quantities of packaged zinc anodes with about a 7% quantity discount per anode for an increased purchase from 250 to 500.

Also, to keep the pricing simplified I have quoted these anodes to include freight so there is no additional estimate for the delivery. The only cost not included would be tax if applicable.

Please review and let me know how we look on these.

Thanks again for the opportunity.

Joel Cisco | Account Manager, Specialty Sales – South Central Region
7000A Hollister | Houston, TX 77040
Phone 713-460-6034 | Fax 713-460-6060 | www.Aegion.com
jcisco@aegion.com

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corrpro®

From: Armando <ayruegas@stwa.org>
Sent: Monday, March 04, 2019 9:44 AM
To: Joel Cisco <JCisco@aegion.com>
Subject: [EXTERNAL]Quote on Anodes

Joel, here are the specs for the anodes. Quote on 250 and 500 anodes. If any questions please call me.

Thanks;;

Armando Yruegas
CP Technician
South Texas Water Authority
P.O. Box 1701 Kingsville Tx, 78364
Shipping Address : 2302 E. Sage Rd Kingsville Tx 78363
Office 361/592-9323 ext 120
Cell 361/445-5109

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3/4/2019

Armando
South Texas Water Authority
361-592-9323 xt 120
ayruegas@stwa.org

RFQ #: 30# Zinc Packaged Anodes
Quote #: 30419JC-250

Corrpro is pleased to submit the following proposal for your review:

Item	Corrpro P/N	Qty	Unit	Description	Unit Price	Ext Price
1	54073139	250	EA	ANODE ZN 30# 2X2X30 PKGD W/20' #12 TW SOLID BLACK	$ 91.50	$ 22,875.00
				FREIGHT INCLUDED		
					Sub Total	$ 22,875.00

COMMERICAL TERMS & CONDITIONS

FREIGHT FOB EX-WORKS:	Sand Springs, OK - FREIGHT ALLOWED
AVAILABILITY:	7 to 10 days ARO
VALIDITY:	30 dyas
PAYMENT TERMS:	Net 30 Days, Upon Credit Approval

- Unless stated in proposal, taxes and freight are not included. If this order will be tax exempt, please provide a signed copy of a tax exemption certificate for the state in which the materials will be shipped to.
- Please confirm shipping schedule at time of order. Corrpro will not accept any delivery penalty or liquidation damage charges.
- Due to the unstable metals market copper, aluminum and/or zinc quotes are subject to escalation based on market. Pricing on any metals is in accordance with the London Metal Exchange (LME) cash value. Please confirm pricing at time of order. Please confirm pricing for these items at time of order.
- This proposal is subject in all respects to the Corrpro Standard Terms and Conditions attached as Exhibit A and incorporated into this proposal by reference. In the event of any conflict or inconsistency between the provisions of this proposal and the Corrpro Standard Terms and Conditions, the provisions of this proposal shall prevail to the extent of such conflict or inconsistency. The Corrpro Standard Terms and Conditions are also available at:
www.corrpro.com/Resources/Sales-Terms-Conditions.

ACCEPTENCE OF PROPOSAL

- Upon acceptance of proposal as submitted. Please sign and date below.

X _____ Date: _____

We appreciate the opportunity to be of service to you. If you require any additional information regarding this proposal please contact me directly at (713) 460-6034 or via email at jcisco@aegion.com.

Sincerely,

Joel Cisco |Account Manager, Specialty Sales - South Central Region|
Corrpro Companies, Inc.
7000A Hollister, Houston, TX 77040
Ph: 713-460-6034 www.Corrpro.com
jcisco@aegion.com

AEGION | corrpro

Stronger. Safer. Infrastructure.

Armando
South Texas Water Authority
361-592-9323 xt 120
ayruegas@stwa.org

3/4/2019

RFQ #: 30# Zinc Packaged Anodes
Quote #: 30419JC-500

Corrpro is pleased to submit the following proposal for your review:

Item	Corrpro P/N	Qty	Unit	Description	Unit Price	Ext Price
1	54073139	500	EA	ANODE ZN 30# 2X2X30 PKGD W/20' #12 TW SOLID BLACK	$ 85.25	$ 42,625.00
				FREIGHT INCLUDED		
					Sub Total	$ 42,625.00

COMMERICAL TERMS & CONDITIONS

FREIGHT FOB EX-WORKS:	**Sand Springs, OK - FREIGHT ALLOWED**
AVAILABILITY:	**13 to 15 days ARO**
VALIDITY:	**30 dyas**
PAYMENT TERMS:	**Net 30 Days, Upon Credit Approval**

- Unless stated in proposal, taxes and freight are not included. If this order will be tax exempt, please provide a signed copy of a tax exemption certificate for the state in which the materials will be shipped to.
- Please confirm shipping schedule at time of order. Corrpro will not accept any delivery penalty or liquidation damage charges.
- Due to the unstable metals market copper, aluminum and/or zinc quotes are subject to escalation based on market. Pricing on any metals is in accordance with the London Metal Exchange (LME) cash value. Please confirm pricing at time of order. Please confirm pricing for these items at time of order.
- This proposal is subject in all respects to the Corrpro Standard Terms and Conditions attached as Exhibit A and incorporated into this proposal by reference. In the event of any conflict or inconsistency between the provisions of this proposal and the Corrpro Standard Terms and Conditions, the provisions of this proposal shall prevail to the extent of such conflict or inconsistency. The Corrpro Standard Terms and Conditions are also available at:
www.corrpro.com/Resources/Sales-Terms-Conditions.

ACCEPTENCE OF PROPOSAL

- Upon acceptance of proposal as submitted. Please sign and date below.

X _____ Date: _____

We appreciate the opportunity to be of service to you. If you require any additional information regarding this proposal please contact me directly at (713) 460-6034 or via email at jcisco@aegion.com.

Sincerely,

Joel Cisco |Account Manager, Specialty Sales - South Central Region|
Corrpro Companies, Inc.
7000A Hollister, Houston, TX 77040
Ph: 713-460-6034 www.Corrpro.com
jcisco@aegion.com

FARWEST CORROSION CONTROL COMPANY

Complete Cathodic Protection & Corrosion Control Solutions

Gulf Coast Region
1714 Rotary Drive, Humble, TX 77338
Tel: (281) 446-9558 Fax: (281) 446-9241
Toll Free: (888) 532-7937
www.farwestcorrosion.com
Farwest is a Certified Woman Business Enterprise (WBE)

PROPOSAL

Customer:	**South Texas Water Authority**	**Date:**	3/5/2019
Attention:	Armando	**Quote No.:**	19-249-JJ
Address:		**Inquiry No.:**	
Phone:	361-592-9323	**Terms:**	CC
Fax:		**Pages:**	1 of 1
Email:	ayruegas@stwa.org	**Validity:**	30 Days
Proj. Name:		**Freight Cost:**	ADDITIONAL

F.O.B.: Houston, TX — **Est. Time to Ship:** 4-6 weeks to ship ARO

Shipping charges not included in pricing — *Transit time not included*

Quantity	Product Description	Unit Price	UOM	Total Price
250	ZUR30, 2"x2"x30", 1/4 core single grounding anode, Packaged, with 20ft of #12 STR THHN Black cable **Custom Order** Order can not be refunded or cancelled after receipt of PO*** **Quantity based pricing, please advise should quantities change**	$ 162.00	EA	$ 40,500.00
500	ZUR30, 2"x2"x30", 1/4 core single grounding anode, Packaged, with 20ft of #12 STR THHN Black cable	$ 158.95	EA	$ 79,475.00

Sales tax not included in pricing

Quoted By: *Jasmine Jimenez* **Jasmine Jimenez** **Email Address:** jjimenez@farwestcorrosion.com

Important Notes: 1. If purchase quantities change from quoted quantities, prices may need to be adjusted. 2. Applicable sales tax will apply unless a resale or exemption certificate is provided. 3. The shipping date provided is an estimate and may be subject to change. 4. Freight charges are NOT included unless otherwise noted. 5. Net 30 day terms are provided with an existing account in good standing or upon our approval of required credit information from client.

Return Policy: All returned material requires written approval. Material can be returned within 60 days of purchase. Custom, made-to-order, special or unique items are not returnable. We will not accept returns for liquid epoxy coatings. Freight to return material is to be paid by the customer. Only items returned in original packaging and in resalable condition will be refunded. A minimum 25% Restocking Fee will be applied on all returned materials.

FARWEST CORROSION CONTROL COMPANY

Installation Methods – Zinc soil anodes can be vertically or horizontally installed in native soils and should be wetted before burial. The anode cable can either be connected directly to the structure or through a cathodic protection test station. Typical cable-to-structure connection methods include welding and mechanical attachment.

ASTM B-418 Type II. Zinc Anode Chemistry

Lead (max)	0.003%
Iron (max)	0.0014%
Cadmium	0.003%
Copper (max)	0.002%
Aluminum	0.005%
Zinc	Remainder

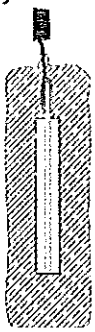
Ordering Information

Model	Farwest Part No.	Bare Weight	Bare Dimensions	Packaged Weight	Packaged Dimensions
ZUR-5	01-20605	5 lbs	1.4" x 1.4" x 9"	16 lbs	4-1/2" x 12"
ZUR-15	01-20615	15 lbs	1.4" x 1.4" x 30"	50 lbs	5" x 38"
ZUR-15	01-20620	15 lbs	2" x 2" x 15"	50 lbs	6" x 24"
ZUR-18	01-20617	18 lbs	1.4" x 1.4" x 36"	70 lbs	5" x 43"
ZUR-30	01-20625	30 lbs	2" x 2" x 30"	70 lbs	5" x 38"
ZUR-33	01-20630	33 lbs	1.4" x 1.4" x 60"	100 lbs	6" x 65"
ZUR-48	01-20635	48 lbs	2" x 2" x 48"	100 lbs	6" x 58"
ZUR-60	01-20640	60 lbs	2" x 2" x 60"	120 lbs	6' x 65"

FARWEST CORROSION CONTROL COMPANY

Zinc Anodes for Soil Application

Galvanic anodes made of 99.99% pure High Grade Zinc
for cathodic protection of metal structures buried in soil



Background on Zinc Anodes
An industry standard for many years, zinc galvanic anodes are utilized to protect a variety of steel structures from the affects of corrosion. Historically, zinc anodes have been designed for use in salt or brackish water applications. Due to the U.S. Navy's widespread use of zinc in the early 1950's, a specification (MIL-A-18001) was developed for galvanic zinc anodes in seawater. This zinc specification, with revisions, is still in use today and is a standard in the corrosion control industry.

Soil Anodes
Farwest provides sacrificial zinc anodes made to ASTM-B-418 Type II specifications for corrosion protection of steel structures in soil. These anodes are made from 99.99% pure Special High Grade Zinc and are ideally suited for galvanic protection of metal in soil.

Fabrication – Farwest attaches an insulated copper lead wire to the anode core Zinc Anode and seals the connection interface with heat shrink tubing or with layers of suitable splicing tapes. The wire size, length and insulation type is typically chosen by the customer depending on the application. If required, Farwest also packages the anode in a cloth bag filled with a low resistance backfill mixture consisting of 75% hydrated gypsum, 20% Bentonite and 5% sodium sulfate.

Applications – Due to the fact that zinc anodes have a lower driving voltage than that of magnesium, zinc anodes are typically used in low soil resistivity applications. Typical applications include buried pipelines, tanks and a number of other similar uses.

Available Sizes – Zinc soil anodes are offered in a variety of sizes shown on the chart below.

Anode Cores – Zinc soil anodes are normally cast with a ¼" galvanized mild steel core to which the anode cable is connected.

Armando

From: Alexandria Siller <asiller@galvotec.com>
Sent: Friday, March 08, 2019 4:04 PM
To: Armando
Subject: Re: Quotes on Anodes

Yes. Both quantities will costs the same in freight due to them both having to ship via an LTL carrier.

Thank you,

ALIEE SILLER
Sales Representative

website: www.galvotec.com
Phone: (+1) 504-362-7776 Ext. 112
Fax: (+1) 504-362-7440
Email: asiller@galvotec.com

Click here to register for a Exhibitor Visitor Pass for free on behalf of Galvotec Alloys Inc. using the Promo Code: C2019ExhGA1144

On Fri, Mar 8, 2019 at 3:57 PM Armando <ayruegas@stwa.org> wrote:

Aliee, I received your quote. Is the charge of the freight the same for the 500 anodes?

Thanks;;

From: Alexandria Siller [mailto:asiller@galvotec.com]
Sent: Friday, March 08, 2019 3:35 PM
To: Armando
Subject: Re: Quotes on Anodes

Please find your Quote# AS-1903-049 attached below.

Let me know if you have any questions.

Thank you,

Armando

From: Alexandria Siller <asiller@galvotec.com>
Sent: Friday, March 08, 2019 3:35 PM
To: Armando
Subject: Re: Quotes on Anodes
Attachments: AS-1903-049 - South Texas Water Authority.pdf

Please find your Quote# AS-1903-049 attached below.
Let me know if you have any questions.

Thank you,

ALIEE SILLER
Sales Representative

website: www.galvotec.com
Phone: (+1) 504-362-7776 Ext. 112
Fax: (+1) 504-362-7440
Email: asiller@galvotec.com

Click here to register for a Exhibitor Visitor Pass for free on behalf of Galvotec Alloys Inc. using the Promo Code: C2019ExhGA1144

On Fri, Mar 8, 2019 at 2:41 PM Armando <ayruegas@stwa.org> wrote:

> Kingsville Texas 78363
>
> **From:** Alexandria Siller [mailto:asiller@galvotec.com]
> **Sent:** Friday, March 08, 2019 2:29 PM
> **To:** Armando
> **Subject:** Re: Quotes on Anodes
>
> I just realized you needed a freight quote as well. Please provide the destination zip code.
>
> **Thank you,**
>
> ALIEE SILLER
>
> Sales Representative

Galvotec

Quotation

Customer:	South Texas Water Authority	Quote No.:	AS-1903-049
	P.O. Box 1701	Quote Date:	03/08/19
	Kingsville Tx, 78364	Reference:	
		Sales Contact:	Aliee Siller
		Telephone:	(+1) 504-362-7776
Attention:	Armando Yruegas	E-mail:	asiller@galvotec.com
Phone:	361/592-9323 ext 120		
E-mail:	ayruegas@stwa.org		

Payment Terms:	To Be Determined
Shipping Terms:	FOB
Location:	McAllen, TX
Ship Date:	3-4 Week Production Lead Time

Item Number	Quantity	Description	Weight (lbs)	Drawing Number	Unit Price	Extended Price
01	250	GA-S-30A Galvotec Hi-Purity Zinc soil anode. Nominal dimensions: 2" x 2" x 30" packaged in backfill with 20 ft. of #12 THHN/THWN solid black lead wire attached.	30.0 Nominal Gross Weight		$90.59	$22,647.50
	1	Estimated Freight to Kingsville, TX 78363			$600.00	$600.00
		OR				
02	500	GA-S-30A Galvotec Hi-Purity Zinc soil anode. Nominal dimensions: 2" x 2" x 30" packaged in backfill with 20 ft. of #12 THHN/THWN solid black lead wire attached.	30.0 Nominal Gross Weight		$89.39	$44,695.00
		Estimated Freight to Kingsville, TX 78363				
VALIDITY:	See Comments	**COMMENT:** The pricing in this quotation has been calculated according to the London Metal Exchange (LME) cash value. Due to the extraordinary volatility of the raw metal market, Galvotec Alloys, Inc. reserves the right to adjust the price accordingly until the order is placed.			Subtotal:	$67,942.50
					Taxes:	
NOTES:					**Total:**	**$67,942.50**

Authorization Signature: *Aliee Siller*

Title: ***Sales Representative***

F-SA-Sales Workbook-02 Rev. 25

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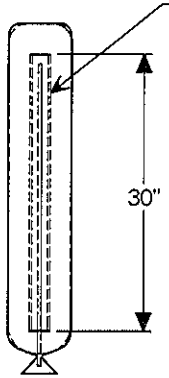
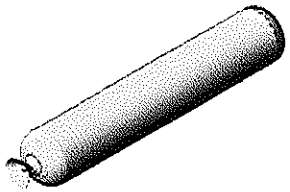
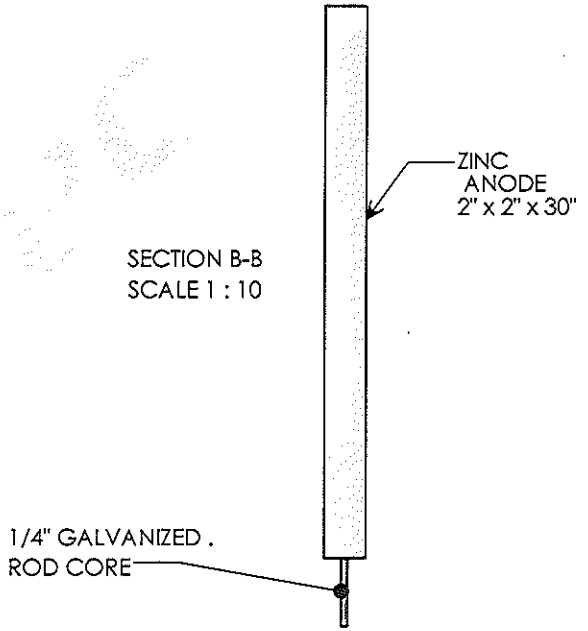
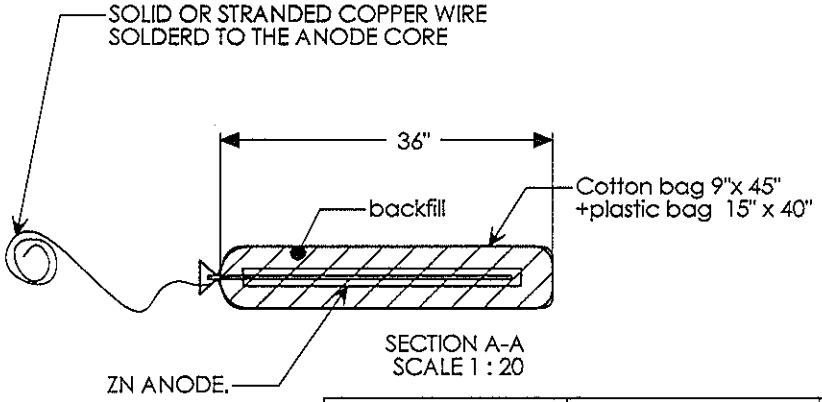
Anode weight: 30#
Backfill weight: 37#
Total weight: 67#



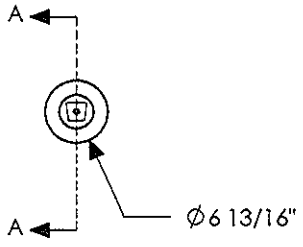


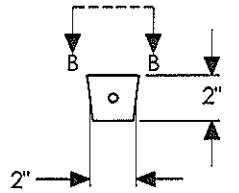


SECTION B-B
SCALE 1 : 10



SECTION A-A
SCALE 1 : 20





UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: NOT CRITICAL	CAD GENERATED DRAWING, DO NOT MANUALLY UPDATE
MATERIAL ---	APPROVALS / DATE
FINISH ---	DRAWN L. H. 06/16/16
NEXT ASSY / USED ON	CHECKED
APPLICATION	RESP ENG
DO NOT SCALE DRAWING	MFG ENG
	QUAL ENG

Galvotec Alloys, Inc.

30# ZINC ALLOY ANODE

GA-S-30A

REV. 1 | REV. Date.: 06/25/18

SIZE A | DWG. NO. Z00300202TERM-PKG

SCALE | CAD FILE:Z00300202TERM-PKG | SHEET OF

Item is Unsolvable
Item Conflicts

Armando

From: Angela Seminara <ars@stuartsteel.com>
Sent: Monday, March 11, 2019 8:16 AM
To: ayruegas@stwa.org
Cc: Jennifer Bryan-Ashwell; Bob Moore; Gordon Stuart; Pattie Leatherman
Subject: RE: Quote on Anodes
Attachments: Estimate 003091 Armando Yruegas.pdf

Hi Armando,

I apologize, I accidently sent it over not stating it was delivered pricing. I have adjusted the notes so it reflects that the freight is included for each option properly.

Please let me know if you have any questions.

Sincerely,
Angela Seminara

Stuart Steel Protection
Your Single Source . . .
For Corrosion Control
P.O. Box 476 S. Bound Brook, NJ 08880
Phone 732-469-5544 Fax 732-469-9270
Website www.Stuartsteel.com

Click here to register for a Exhibitor Vistor Pass for free using the above Promo Code C2019ExhST1507

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From: Angela Seminara
Sent: Monday, March 11, 2019 9:14 AM
To: 'ayruegas@stwa.org' <ayruegas@stwa.org>

Stuart Steel Protection Corp.

Your single source...
FOR CORROSION CONTROL

PO Box 476, South Bound Brook NJ 08880
Phone: 732-469-5544 Fax: 732-469-9270

Quote

Quote No: 003901
Quote Date: 03/08/2019
Expire Date: 03/12/2019
Customer ID: 10940

BILL TO:	QUOTE TO:
South Texas Water Authority PO Box 1701 Kingsville TX 78364 United States of America	Armando Yruegas PO Box 1701 Kingsville TX 78364 United States of America Email: ayruegas@stwa.org

SALES REP	CREDIT TERMS	SHIPPING TERMS
Bob Moore	Need Credit References	DEL

NO	ITEM	QTY	UOM	UNIT PRICE	EXT PRICE
1	AZN30-1/12TW20RCP	250.00	EACH	87.44	21,860.00
	2x2x30 30# Zinc 20' #12 TW Red C&P				
	NOTE: Due to the instability of the current zinc metal market & fluctuating prices, this quote is based on today's price listed on the London Metal Exchange (LME). Pricing of zinc anodes is subject to increase or decrease based on the LME price at time of order PLEASE NOTE THIS QUOTE IS FOR QUANTITIES REQUESTED. SHOULD THE QUANTITIES CHANGE THE QUOTE THEN BECOMES VOID & A NEW QUOTE WILL BE REQUIRED				
2	AZN30-1/12TW20RCP	500.00	EACH	86.94	43,470.00
	2x2x30 30# Zinc 20' #12 TW Red C&P				
	NOTE: Due to the instability of the current zinc metal market & fluctuating prices, this quote is based on today's price listed on the London Metal Exchange (LME). Pricing of zinc anodes is subject to increase or decrease based on the LME price at time of order PLEASE NOTE THIS QUOTE IS FOR QUANTITIES REQUESTED. SHOULD THE QUANTITIES CHANGE THE QUOTE THEN BECOMES VOID & A NEW QUOTE WILL BE REQUIRED				

FOB DELIVERED
SUBJECT TO FUEL SURCHARGE AT TIME OF SHIPMENT
SUBJECT TO PRIOR SALE

PRICING IS SUBJECT TO CHANGE DUE TO THE FLUCTUATION WITH COPPER

Sub Total:	65,330.00
Tax:	0.00
Total (USD):	65,330.00

Thank you for the opportunity to serve you. We now accept American Express, VISA, and MasterCard.
www.stuartsteel.com sales@stuartsteel.com

ATTACHMENT 13

Resolution 19-15

SOUTH TEXAS WATER AUTHORITY

RESOLUTION 19-15

RESOLUTION AWARDING THE BID FOR THE PURCHASE OF ____ 2" x 2" x 30" PACKAGED ZINC ANODES, INCLUDING FREIGHT CHARGES.

WHEREAS, the South Texas Water Authority has solicited bids to acquire 250 or 500 2" x 2" x 30" packaged zinc anodes, including freight charges, for the Authority's use, and

WHEREAS, the Board of Directors of the South Texas Water Authority has reviewed the bids and finds that _____has submitted the lowest responsible bid.

NOW, THEREFORE, BE IT RESOLVED that the South Texas Water Authority Board of Directors awards the bid for _____ 2" x 2" x 30" packaged zinc anodes, including freight charges, to _____ in the amount of _____.

Duly adopted this 26th day of March, 2019.

_____
KATHLEEN LOWMAN, PRESIDENT

ATTEST:

_____
RUDY GALVAN, JR., SECRETARY/TREASURER

ATTACHMENT 14

Surplus Property

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 20, 2019
Re: Surplus Property Sale and Declaration of Salvage Property

Background:

The last time the Board considered a Surplus Property Sale was in January of 2018. At that time, staff requested Mr. Bill Flickinger's advice on whether the sale could be conducted with one Board meeting during which the Board declares the items on the attached list as surplus, authorizes sale of the attached list, approves the sale to the highest bidder, declares any items not receiving a bid as salvage property and instructs staff to dispose of those salvage items. Mr. Flickinger indicated that the sale could be conducted in that manner.

Analysis:

Enclosed please find a list of the items staff is recommending for the Surplus Property Sale. As stated previously, these types of sales are a necessary housekeeping task.

Staff Recommendation:

Approve a motion to declare the items on the attached list as surplus, authorize sale of the attached list, approve the sale to the highest bidder, declare any items not receiving a bid as salvage property and instruct staff to dispose of salvage items.

Board Action:

Determine whether to approve a motion to declare the items on the attached list as surplus, authorize sale of the attached list, approve the sale to the highest bidder, declare any items not receiving a bid as salvage property and instruct staff to dispose of salvage items.

Summary:

A follow-up report on the sale will be posted as an agenda item after the property has been advertised, bids opened, and either sold or disposed as salvage items.

Surplus Property Sale Items

1 One (1) white 2011 Ford F250 Diesel Single Cab Pickup Truck
2 One (1) Case 760 Trencher
3 16 foot trailer
4 21 tires
5 GE Motors Air Compressor
6 Eight (8) Tool Boxes
7 One (1) 60 gallon Air Compressor
8 Two (2) Head Racks
9 One (1) Black Tool Box
10 Two (2) 2" Trash Pumps
11 One (1) Kawasaki 220 Bayou 4-Wheeler
12 One (1) 90-psi Ingersoll Rand Air Compressor
13 One (1) Echo Weedeater
14 Two (2) Dell Monitors
15 Two (2) Intel i3-3220 CPU 3.30GHz computers, 8.00 GB RAM, DVD
16 Fujitsu fi-5015C scanner

ATTACHMENT 15

Con Mims Response

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 18, 2019
Re: Con Mims' Response to Resolution 19-10

Background:

As the Board is aware, last month Resolution 19-10 was adopted by the Board in recognition of Con Mims, Nueces River Authority's Executive Director, and his service in the field of water resources. Enclosed is Mr. Mims' response to South Texas Water Authority passing the resolution.

Analysis:

Staff thought the Board should be made aware of Mr. Mims' appreciation.

Staff Recommendation:

None needed.

Board Action:

None needed.

Summarization:

In addition to the NRA Board and staff, Mr. Mims' service will be missed by many committee members and agencies' personnel.

mcgserrato@stwa.org

From: mcgserrato@stwa.org
Sent: Monday, March 4, 2019 11:17 AM
To: 'Con Mims'
Cc: 'Rocky Freund'
Subject: RE: STWA Resolution 19-10

Con,

Thank-you for your kind words.

I hope you have lots of great plans for your retirement – you really deserve the best.

Take Care.

Carola

From: Con Mims <cmims@nueces-ra.org>
Sent: Monday, March 4, 2019 10:35 AM
To: Carola Serrato <mcgserrato@stwa.org>
Cc: Rocky Freund <rfreund@nueces-ra.org>
Subject: STWA Resolution 19-10

Carola:

I want to thank you and the STWA Board for your thoughtfulness in adopting Resolution 19-10 honoring my service. It is amazing how such a long journey has gone by so quickly. Along the way, I worked with many outstanding people. You have long been at the top of the list. This Resolution is very much appreciated.

Con

Since 1935

Con Mims
Executive Director

200 E. Nopal, Suite 206 Uvalde, TX 78801
P.O. Box 349 Uvalde, TX 78802-0349
Phone: (830) 278-6810
www.nueces-ra.org

ATTACHMENT 16

TAMUK Funding Request

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 20, 2019
Re: Funding Request – TAMUK – Nanotube Technology – Water Treatment

Background:

Enclosed please find a request from Dr. Amit Verma and Dr. Sajid Liu for funds to sponsor a study related to the use of Nanotube Technology as an alternative to conventional water treatment. The request is in the amount of $10,533 and would be 10% of the total study cost. Implementation of the study is contingent on the remaining 90% funding being secured from the Qatar Foundation. The last time the Board considered a request for funding was about six months ago. That proposal was submitted by Dr. Lee Clapp, TAMUK, and the AgriLife Extension Office and it pertained to private groundwater well screening and testing for various chemical constituents.

Analysis:

I have reviewed the information provided several times. The study is of a very complex nature. The proposal is indicating that the use of nanotubes for treatment of groundwater, industrial discharge water and municipal discharge water is possible. In addition, the proposal is indicating that the treatment would disinfect, desalinate and remove constituents contributing to the discoloration of the source waters.

Staff Recommendation:

Consider providing funds for the study.

Board Action:

Determine whether to provide $10,533 for the study. If approved, authorize staff to provide the letter of support as requested by Drs. Verma and Liu.

Summarization:

The study poses a very interesting question as to whether a new type of technology can be used for water treatment. However, I would caution that there is a reference to travel for a STWA board member in the "Other Benefits" section which staff believes would not be appropriate as a benefit for providing funds.

METAL CENTERED NANOTUBE NETWORK FOR WATER DISINFECTION AND DESALINATION (CNNDAD)

Funding Agencies: South Texas Water Authority (STWA),

Applicant/Institution: Texas A&M University – Kingsville (TAMUK)
Principal Investigator: Dr. Amit Verma, College of Engineering (TAMUK)
Collaborator: Dr. Mohamed Shibl (Qatar University & Foundation)
Address: 940 W. Santa Gertrudis Av, MSC 161, Kingsville, TX 78363
Telephone Number: (361) 593-4253
Email: Amit.Verma@tamuk.edu

Total Funding Requested: $98,398 ($87,845 from Qatar Foundation and $10,553 from STWA)[3]

The proposed project encompasses the integration of the following **specific aims** and assignment table **(Table 1)**:

1) Protect public health by collecting 'test' samples from the standard coal power utility, city wastewater plant or local landowner have a obtain a standard 'test sample'[1] and analyzing quality using a new generation of visible light responsive catalysts[2] (Dr. Sajid Liu, College of Arts & Sciences, TAMUK);
2) Synthesis of a new disinfectant using nanomaterials which are activated by visible light (Dr. J. Louise Liu, College of Arts & Sciences, TAMUK);
3) Increase public awareness of water purification technology through an organization of a national symposium on clean water via the American Chemical Society Energy & Fuels Division (ACS ENFL), with multiple speakers and publication of *Proceeding* or thematic edited book (Dr. Sajid Liu, College of Arts & Sciences, TAMUK);
4) Expand on current disinfection technologies through advanced modeling using higher order density function theory correlation of exchange hybrid constructs (Dr. Verma, College of Engineering, TAMUK); and
5) Enhance professional training of one chemistry or environmental engineering graduate student at Texas A&M University-Kingsville (TAMUK).

Please note if our petition to the STWA is approved we request:

A letter of support from STWA is requested in the on a preliminary basis to provide the required funds if similarly supported by the Qatar Foundation. This conditional letter will be uploaded to the online request [reference NPRP12S-0313-190350] filed at https://www.qnrf.org.

Notes:

[1]The purpose is to bench test our CNN DAD photocatalyst against one or two 'test' samples and one or two laboratory samples created to simulate wastewater contaminated with microorganisms, and organic dyes. For this purpose, we have access to a coal power station, whose cooling wastewater could be utilized, or water from the local treatment plant or groundwater from a local landowner.

[2] Most disinfection is done by either boiling of water, filtration, the addition of chloramination (Cl_2, ammonia), phenol, ultraviolet radiation or Clorox-type bleach. In microbiology, bleach is often used as a sterilization agent, as it provides complete disinfection of a wide spectrum of microorganism. The organic residue of the microorganism is completely destroyed resulting in the formation of chloramines which in turn can pose health issues including triggering of allergies via MHC association with the cell plasma of mucous membranes. For this reason, our CNN DAD is compared and contrasted with bleach as a disinfectant.

[3] If this project cannot be supported with research funds, we seek payment-in-kind support, either with assistance with the dissemination and outreach effort, promotion of the American Chemical Society Symposia on Water Research, or assistance with student placement at a facility which will donate water samples for us to utilize as 'test' samples. Some payment-in-kind which can be used to show synergy to the Qatar Foundation via a letter of support from STWA.

***Table 1**: Summary of responsibility for each task including the area of expertise and experience to complete the assignment.*

Aim	Task	Supervisor / Dr	Expertise	Experience
1	Procurement of water samples and biochemical analyses	Sajid Liu	Bioanalytical Chemistry	15 years
2	Synthesis of nano disinfectant	J. Louise Liu	Nanochemistry	15 years
3	Dissemination through American Chemical Society Energy & Fuel Division (ACS ENFL) Symposium on Water Purification	S. Liu	Current Secretary of the ACS ENFL	5 years
4	Computer Modeling of which metals are most efficient in the design of Nano disinfectant	A. Verma	Density function theory modeling	20 years
5	Graduate Student Supervision	ALL	Full Professors	36 years

1. Summary

Texas A&M University-Kingsville (**TAMUK**) proposes to partner with the South Texas Water Authority (**STWA**) and the Qatar Foundation (**QF**) to expand existing efforts to disinfect (immediate goal) and desalt (long-term goal) municipal and industrial wastewater. **STWA** works with governmental entities, water supply corporations, industry, and commerce to maintain dependable water supplies for residents in central Kleberg County and western Nueces County. **QF** provides support for advanced research in 4 cluster areas (1. Energy & Environment, 2 Biomedical & Health, 3. Computer Science information and communications technology, and 4. Social Sciences, Arts and Humanities) to help Qatari people and communities become self-sufficient with the assistance of US-based research entities. Approximately 90 % of requested support, will come from QF which we will use to conduct research related to the modeling, design, synthesis and evaluation of a new generation of visible light responsive nanomaterial (CNN DAD) capable of disinfection and decolourisation of ground or wastewater (immediate priority) and then investigate the feasibility of re-use as a solar fluid within a solar still for desalination of water via evaporation using sunlight. The nanomaterial will offer considerable advantages as currently there is no single platform which can disinfect, decompose and desalinate a water sample. We propose the CNN DAD would be able to compete in these three areas as a single unified agent. The water boil advisory notices are primarily due to the presence of disinfectant by-products resulting from chemical oxidizers such as bleach. Chemical agents like bleach are effective at killing 99.9 % of fecal coliform bacteria because in a water bleach forms oxygen radicals or reactive oxygen species (ROS). These ROS species have the highest concentration at the time of bleach addition (time equals 0 h) but their population decays over 2 – 3 days, thereby requiring periodic additions of bleach. In disinfection science this is known as persistence and bleach is persistent to approximately 48 h. Our CNN DAD agent captures visible light and converts water to ROS locally and these agents decay over 38 h but are regenerated, because unlike bleach, sunlight does not decompose CNN DAD. Therefore its persistence can be measured in weeks or months and its effectiveness does not decrease with time, unlike that of bleach, which with time, the concentration of the ROS generator [the bleach] and ROS [actual species which causes disinfection] decay with time. By sampling water from two or three divergent sources, the effectiveness over time [persistence], disinfection spectrum of action [disinfection, decontamination, decomposition, and desalination] of our agent can be compared and contrasted with traditional in-house methods such as boiling, or use of bleach or filtration [1].

Most laboratory programs focus on good monitoring and have been limited to analyzing samples for nitrate, salinity, arsenic, and fecal coliform bacteria, but not on disinfection technologies, or desalination. Low-Cost disinfection, decomposition, decontamination and desalination technology which can also be used as a standalone purification platform uncoupled to any central system, as used by wastewater plants to meet the requirements of the clean water act is urgently needed. There also is the possibility that CNN DAD would be superior to in-home water filtration / reverse osmosis units in proving water which is safe for drinking, at a minimum a resource which can be activated during an emergency such as hurricanes, where power disruption would make the reverse osmosis filtration unit inoperable unless there was an emergency generator [2].

* Boil water notices are not issued for DBPs.

The proposed collaborative research program would significantly expand the resources developed using funds from Qatar to the benefits of its citizens as well as citizens from Kleberg, Kenedy and Nueces Counties, as the research is being led by scientists from Texas A&M University-Kingsville with a track record in Engineering and Clean Water Science. In addition, the collected data would be made available to the wastewater treatment facilities in the three counties to assist with hurdles in generating clean water.

Our proposal is for these materials to be used for disinfection, and desalination purposes as potential replacements for the current chemical treatment approach operated by the wastewater operators.

The data will also enable STWA to conduct strategic planning and guidance on whether nanomaterial-based treatment options are viable and competitive with current chemical treatments, such as colony forming units per milliliter of microorganism in the water, cost per one thousand gallons relative to current technologies. In addition, this proposal enables a unique opportunity for STWA Board members to review business practices, challenges and solutions of the Qatar General Electricity & Water Corporation (كهرماء) and how it meets these challenges, enabling both agencies to incorporate best practices from each other's portfolios to the betterment of its local community [3].

TAMUK is requesting a total of ~~$ 9,670~~ $ 10,533 from STWA to support a graduate student for 3.5 months and dissemination of our scientific findings and outreach. This will include compensation for travel to and from the selected conference for the team or partial travel fees for a selected speaker for the Water Nexus Symposia, and report writing. Each participating entity (Qatar Foundation and STWA) will be provided with a report summarizing the water quality of the 'test' samples and how our CNN DAD was able to compete relative to chloramine based disinfection agents and the degree to which the groundwater conforms to existing standards for drinking water.

Objectives

The main objectives for the proposed project are to (also summarized on page 1 and **Table 1**):

1. Protect public health by collecting 'test' samples from the standard coal power utility, city wastewater plant or local landowner have a obtain a standard 'test sample'[1] and analyzing quality using a new generation of visible light responsive catalysts[2] (Dr. Sajid Liu, College of Arts & Sciences, TAMUK);
2. Synthesis of a new disinfectant using nanomaterials which are activated by visible light (Dr. J. Louise Liu, College of Arts & Sciences, TAMUK);
3. Increase public awareness of water purification technology through an organization of a national symposium on clean water via the American Chemical Society Energy & Fuels Division (ACS ENFL), with multiple speakers and publication of *Proceeding* or thematic edited book (Dr. Sajid Liu, College of Arts & Sciences, TAMUK);
4. Expand on current disinfection technologies through advanced modeling using higher order density function theory correlation of exchange hybrid constructs (Dr. Verma, College of Engineering, TAMUK); and

5. Enhance professional training of one chemistry or environmental engineering graduate student at Texas A&M University-Kingsville (TAMUK).

2 Scope of Work

Task 1 – Synthesis of CNN DAD (Jingbo Liu)

A titania iron oxide (TiO_2-Fe_3O_4) nano-hybrid nanoparticle (NP) material will be prepared as a candidate to evaluate its performance as a desalination and decontamination agent. Titanium tetra-isopropoxide ($C_{12}H_{28}O_4Ti$, TTIP, 2.5 g, 8.8 mmol) and Iron oxide (Fe_3O_4) which will be added drop-wise to a solution containing a mixture of acetic acid and ethanol (50.0 mL) with a volume ratio of 1:1. In the next step, 0.08 g carbon nanotubes (CNTs) and 0.4 g of Fe_3O_4 nanoparticles, in 400 mL of isopropanol will be added together, allowing this mixture to react for 20 h. Then it will be sonicated to obtain the product which will then be washed with ethanol. The final product obtained will be dried overnight in an air flow oven at 100 °C, and later annealed at 500 °C for 3 h. Functional groups such as carboxyl groups and hydroxyl groups on the surfaces of Fe_3O_4, CNT and Fe_3O_4@CNT nanoparticles are hydrophilic and the nanoparticles should be easily dispersed in water resulting in the formation of a carbon nanotube network (CNN) for disinfection and desalination applications [4].

Task 2- Addition of Silver to enable CNN to be responsive to Visible Light (Jingbo Liu)

Silver nitrate ($AgNO_3$) will be deposited onto TiO_2-Fe_3O_4 nanoparticles (NPs) to enable visible light (VL) responsivity of CNN for disinfection and desalination of groundwater. The deposition of silver nanoparticles over TiO_2-Fe_3O_4 will be performed in order to increase the photo-activity. TiO_2-Fe_3O_4 (CNN, 19.0 mg) will be suspended in deionized water (12.0 mL) under sonication, and then heated to 50 °C before adding $AgNO_3$ (246 mL, 10.0 mM), followed by addition of sodium ascorbate until the appearance of a light pink color is expected. The reaction mixture will be stirred for 30 min; the precipitate obtained will be dried in an oven overnight at 80 °C. The nanocomposite of TiO_2-Fe_3O_4 /Ag NPs (2.0% w/w of Ag), $AgNO_3$ will be used as a source for Ag^+ forming an ABC configuration summarized in **figure 1** [5].

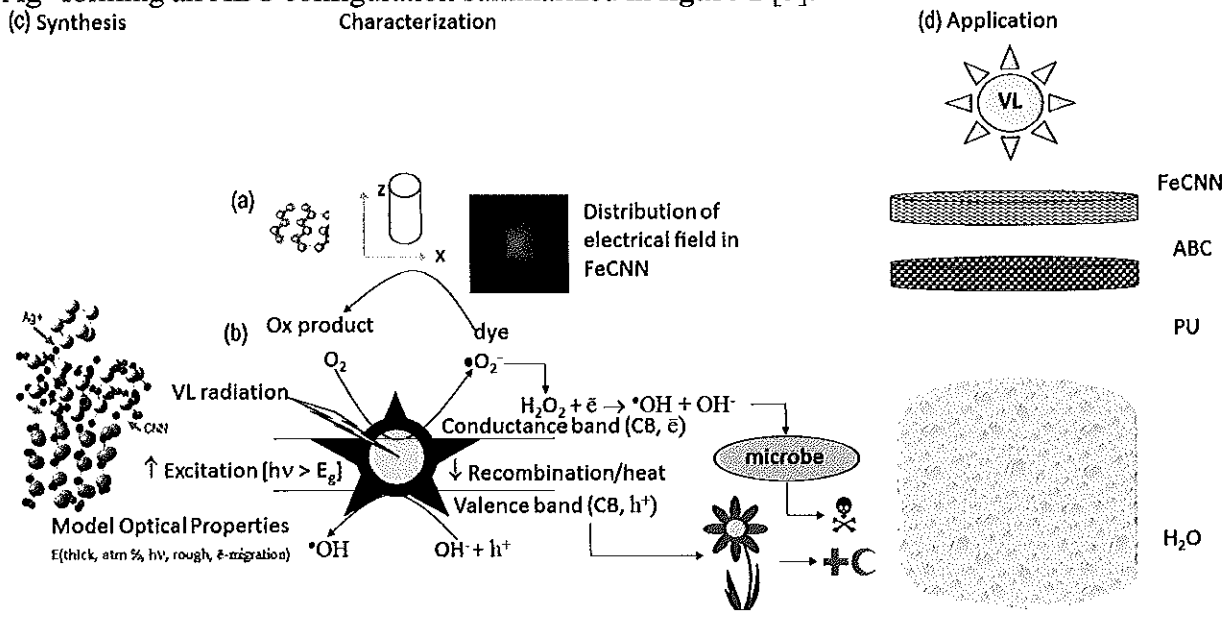

***Figure 1**: is a summary of the synthesis and design of the novel visible light catalyst for disinfection of laboratory and field water samples. (a) The top panel shows how the carbon nanotube network will align in one direction [z, x] and how this plane will effectively channel visible light to the metal (Fe) or silver (A) bound-carbon (BC) system. (b) The bottom center shows the photophysics of the proposed catalyst and how visible light is used to generate a local 'disinfecting environment' that is toxic to microorganism but not plants and the (c) left shows a computer-rendered model of how the three parts (metal, iron, and/or silver) and carbon nanotube network combined together to make a potent disinfectant. (d) The system will be evaluated against a common polyurethane (PU) filter, chlorination and boiling as standard methods.*

Water samples will be collected from the local wastewater treatment facilities or coal power station or local landowner. If the power company or landowner wish to collect the samples themselves instead of having us to collect it, we will instruct them in procedures for sample bottle preparation, purging, sample filtering, sample storage, and sample preservation. Previously purified water will be incubated with two model microorganism (*Escherichia coli*, and *Paenibacillus lentus*)[4], one model organic dye (methyl orange) and one model plant (*Arabidopsis thaliana*) seeds to investigate the efficacy of the CNN catalyst for disinfection and potential toxicity to plants based on the examination of seedlings from *A. thaliana*.

- A 250-mL filtered water sample preserved with nitric acid for cation and trace metal analyses, and
- A 250-mL filtered sample, unpreserved, for microbial analyses

[4] A Gram-negative (*E. Coli*) and Gram-positive (*P. lentus*) will be used, as they have the lowest biohazard risk to the graduate students if accidentally exposed, but biochemically will react in a very similar manner to their pathogenic strains. Most often the difference between a pathogenic and non-pathogenic strain is the ability of the pathogenic strain to generate and excrete a metabolite which is toxic to plants or animals, but the central cell wall biochemistry, morphology, and general cell operations are near-identical between the strains. The potency of CNN DAD agent on the more benign strains will be evaluated. Another goal is to demonstrate that in spite of its potency in the generation of ROS which causes microbial toxicity, this level is insufficient to cause toxicological harm to plants. A model plant will be grown from seeds and seedlings which will be compared and contrasted with untreated and treated plant seedlings to determine if there are any growth or developmental abnormalities.

Task 3 – Laboratory Analyses (Sajid Liu)

Water quality samples will be assessed by comparing the results for each constituent with the primary drinking water standards (PDWS) established by the U.S. EPA [6].

Evaluation of disinfection of microorganism: The minimum bacterial concentration (MBC) will be established using filtration by PU filter as the positive control, using no treatment as a negative control, 10,000 parts-per-million (ppm) Clorox bleach solution, and 1 ppm of Fe/Ag-CNN. The samples will be inoculated with 1×10^8 quantiles of *E.coli* and *P. lentus* and evaluated

to the logarithmic lowering of microorganism concentration by measurement of turbidity at 600 nm. The log ratio between the untreated sample with microorganism and treated samples at 1, 4 and 8 h will be plotted as a log reduction (L_n) value. A value of L6 means that a concentration of 1×10^8 colony forming units per mL of liquid (CFU/mL) was reduced to 1×10^2 or 99.9999 % [7].

Evaluation of decomposition of organic dye: In a separate experiment that minimum decomposition concentration against 100 ppm of methyl orange will be conducted.

Evaluation of non-toxicity against plant: Twenty (20) *A. thaliana* seeds will be grown for three days in a petri dish with 0.8 % agar and MS media [Final concentrations in 500 mL containing 2.15 g of Murashige & Skoog Salts (MS media), 5g of 1% Sucrose (in water) and 0.25 g of 2-(N-morpholino) ethane sulfonic acid (MES) adjusted to a pH of 5.7 using potassium hydroxide (KOH)]. The morphology (stem length, leaf area, number of roots, the color of plant and general appearance) will be compared with seeds grown in the dark, in the light, half-dark, and half-light, and with and without 1, 10, and 100 ppm of Fe/Ag-CNN. In this manner, the development and any potential toxicity of the nano disinfectant to plant species can be considered [8].

Evaluation of desalination of catalyst: A desalination experiment will also be conducted using brine water which is slowly evaporated using FeCNN and compared to heating without a catalyst. To investigate the kinetics of desalting of brine water, a methodology described by Li *et al.*, [9] will be adopted and is shown in **figure 2** below:

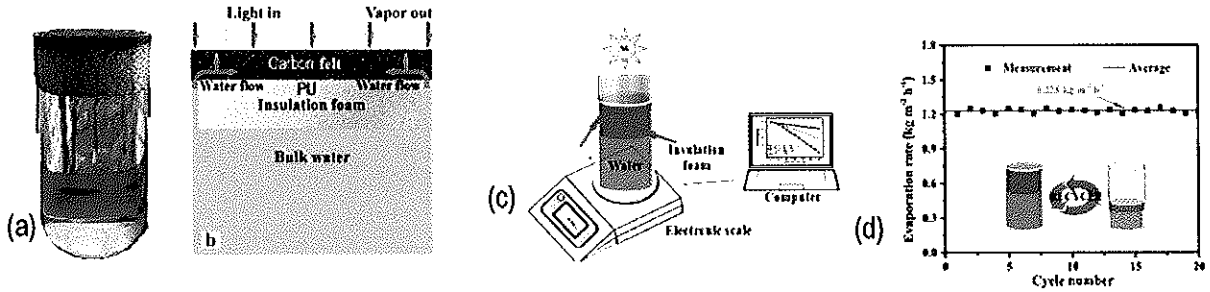

***Figure 2**: (a) Digital image of the carbon-based felt-based evaporator. (b) Schematic for the water flow process during evaporation with polyurethane (PU) Insulation form, (c) Schematic for evaporation experiment, where water evaporation per minute /per minute* [second-order differential] *without any treatment and with FeCNN is measured; and the steady-state evaporation rate for each cycle experiment. The effectiveness of Fe-CNN can thus be evaluated.*

Task 4 – Final Report (Amit Verma)

A preliminary report will be submitted to STWA and Qatar Foundation by December 1, 2020, or earlier if the research is started earlier (anticipated start date September 01, 2019). The preliminary report will include a summary of the synthesis of CNN, laboratory analysis data for each water sample, and recommendation of use and application of nanocatalyst. STWA and Qatar Foundation will review and can request supplemental information within two weeks, post submission after which TAMUK will have two weeks to make the requested revisions [10]. If no

additional requests are made, the project will move into the final validation phase and a final report will be submitted in year two.
Timeline: Start of Project: September 01 2019
Preliminary Report Issue to QF and STWA: August 31, 2020
Request for Further information by September 15, 2020
Compliance by TAMUK by September 29, 2020
Final Report: August 31, 2021

3 Project Management **(Amit Verma)**

The proposed work will be supervised by Dr. Amit Verma, Professor of Computer Science & Electrical Engineering at TAMUK, with oversight by Dr. Mohamed Shibl associated with the Qatar Foundation and Qatar University. Dr. Verma has almost 20 years of experience supervising similar projects conducted by graduate students and has had projects funded by the Qatar Foundation. The day-to-day laboratory analysis work will be performed by a TAMUK graduate student, with additional lab supervision from Dr. Yaneth Gamboa, Laboratory Manager for the TAMUK Department of Engineering.

4 Performance Period **(ALL)**

The proposed scope of work will be completed between September 1, 2019, and August 31, 2021.

5 Budget and Justification **(Amit Verma)**

A **total of $97,514** is requested to cover the costs associated with the proposed scope of work (see attached budget spreadsheet). This total encompasses the following costs, summarized in **Table 2**:

Table 2: Summary of TAMUK Supply Cost	*Cost per Unit*
Dissemination of Project to organize an International Scientific Conference	**$ 513**
Graduate Student Salary	**$ 2,205**
Graduate Student Benefits	**$ 786**
International Scientific Conference Fee for high caliber speaker(s)	**$ 1,503**
(i) Sample bottles, glassware, and other storage containers	$ 250
(ii) Cost of synthesis and laboratory analyses (SEM, TEM, XRD)	$ 1,200
(iii) Argon gas for ICP-MS	$ 250
(iv) IC consumables	$ 135
(v) ICP-MS and IC Analytical standards	$ 350
(vi) Filters, and Microscope Fee to TAMU College Station	$ 220
(vii) Microorganism, dye, plant seed and reagent cost	$ 235
Supplies (i-vii) -Sub-Total	**$ 2,640**
Total Direct Costs	**$ 7,647**
Indirect Costs	**$ 2,906**
Total from STWA	**$ 10,553**

Budget Justification (Amit Verma)

Dissemination: $513

The project principal investigator, Dr. Amit Verma or team member, will be compensated for part-fee travel to the American Chemical Society to promote a Water Nexus Symposium and to supervise the overall project, which is equivalent to $513.

Graduate student salary: $2,205

One graduate student will be supported to perform synthesis, laboratory analyses, and poster presentation. It is estimated that the sampling analyses, microscope (ICPMS/SEM/TEM/XRD)analyses, data management, and conference presentation will require, on average, 1.9 work days of graduate student time per evaluation (this includes synthesis, characterization of CNN DAD, analytical method development and quality control procedures). The graduate students will be paid $7.25 per hour (minimum wage), as calculated below:

$$\frac{1.9\ work\ days}{test\ samples} \cdot \frac{8\ hrs}{work\ day} \cdot \frac{\$7.25}{hr} \cdot \frac{20\ tests}{project} = \$2{,}205$$

Graduate student benefits: $786

One graduate student will receive fringe benefits (workman's Compensation, Unemployment Compensation Insurance, and Leave Termination) at 2.3% of his/her salary.

$$\$2{,}205 \times 0.023 = \$51$$

The graduate student will be hired as a half-time research assistant for over 3½ months, which will make him/her eligible for health insurance at a rate of $210/month.

$$\$210/month \times 3.5\ months = \$735$$

$$\$735 + \$51 = \$786$$

Conference Fee: $1,503

This is to organize an International American Chemical Society Energy & Fuel Division Conference in 2020 (either May or August). Costs are requested for leaflet preparation, dissemination, coordination and partial payment for select speakers to promote the latest discovery related to energy, water, and the environment. We will also approach Springer Nature, to convert the symposium into a book or proceedings on water purification for the wider scientific community.

Supplies: $2,640

It is estimated that a total of $2,640 will be required for supplies, analyses, and synthetic chemicals and precursors. Required supplies include the following items summarized in **Table 3**:

Table 3: Summary of TAMUK Supply Cost	*Cost per Unit ($)*
Sample bottles, glassware, and other storage containers	250
Cost of synthesis and laboratory analyses (SEM, TEM, XRD)	1,200
Argon gas for ICP-MS	250
IC consumables	135

ICP-MS and IC Analytical standards	350
Filters, and Microscope Fee to TAMU College Station	220
Microorganism, dye, plant seed and reagent cost	235

Modified Total Direct Cost: $7,647
The "Modified Total Direct Cost" (MTDC) is the sum of the direct costs listed above.

Indirect Cost: $2,906
The indirect cost (IDC) is 38% of the MTDC, or $2,663 (=38% is the stipulated IDC rate in the agreement between TAMUK and the Department of Housing and Human Services).

Total Cost: $10,553

The total cost is the sum of the MTDC and the IDC above. This will be requested from STWA and a separate $70,938 (direct) plus $16,907 as the (indirect cost (IDC)). The breakdown of total costs per entity is summarized in **Table 4** below.

Table 4: Summary of cost breakdown between STWA and QF including percent of indirect

#	Source	a: Direct	b: Indirect	% IDC c:[b / a] × 100 %	d:Total [a + b]	e: % total for STWA or QF [d_1 or d_1 / d_3] ×100
1	South Texas Water Authority (STWA)	$ 7,647	$ 2,906	38.0	$ 10,553	~11
2	Qatar Foundation (QF)	$ 70,938	$ 16,907	23.8	$ 87,845	~89
3	Combined	$ 78,585	$ 19,813	25.1	$ 98,398	100

Other benefits:
The Qatar Foundation will be petitioned to allow one board member of the STWA to attend the confidential annual technical briefing in Qatar and to be allowed to meet with officials from كهرماء to learn best practices and also be briefed on parallel research conducted at Qatar University.

6 References

[1] Bashir, S., Dinn, J., & Liu, J. (2013). Three Waves of Disinfectants to Inactivate Bacteria. MRS Online Proceedings Library Archive, 1498, 91-96.

[2] Onubogu, K., Medina-Ramirez, I., Bashir, S., Luo, Z., & Liu, J. (2011). Colloidal Synthesis and Nanocharacterization of Engineered Noble Metal Nanoparticles. International Journal of Green Nanotechnology, 3(2), 140-151.

[3] Hajkowicz, S., & Collins, K. (2007). A review of multiple criteria analysis for water resource planning and management. Water resources management, 21(9), 1553-1566

and

U.S. Environmental Protection Agency (EPA). 2017. Drinking Water Contaminants – Standards and Regulations. http://water.epa.gov/drink/contaminants/.

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Amit Verma

Department of Electrical Engineering & Computer Science
Texas A&M University-Kingsville
Kingsville, TX 78363

Tel: (361) 593 4012
Email: amit.verma@tamuk.edu

Education

2001 – 2006	**Georgia Institute of Technology,** Atlanta, Georgia Ph.D. in Electrical and Computer Engineering
1999 – 2001	**Vanderbilt University,** Nashville, Tennessee Master of Science in Electrical and Computer Engineering
1993 – 1997	**Indian Institute of Technology-BHU** (formally Institute of Technology-BHU), Varanasi, India Bachelor of Technology in Electronics and Telecommunication Engineering

Work Experience

Fall 2012 –	Associate Professor, Department of Electrical Engineering, Texas A&M University – Kingsville, Kingsville, TX
Fall 2006 – Fall 2012	Assistant Professor, Department of Electrical Engineering, Texas A&M University – Kingsville, Kingsville, TX
Dec 2005 – May 2006	Postdoctoral fellow, UARC, NASA Ames Research Center, Moffett Field, CA
2001 – 2005	Research Assistant, School of Electrical and Computer Engineering, Georgia Institute of Technology
1999 – 2001	Research Assistant, Department of Electrical and Computer Engineering, Vanderbilt University
1997 – 1999	Process Automation Engineer and Senior Officer, Tata Iron and Steel Company, Jamshedpur, India
1996 – 1997	Undergraduate Research Assistant

Research, Creative, and Scholarly Activity

Funded Research

1. Comprehensive Investigation and Development of Silicon Nanowire Based Photovoltaic Technology
   Agency: Qatar Research Foundation
   Role: co-PI
   Amount: $ 1,041,563
   Duration: 2012-2015
2. NUE: Nanoengineering Education in an Under-Represented Minority University.
   Agency: National Science Foundation
   Role: co-PI
   Amount: $ 199,868
   Duration: 2011-2012 (2 years)
3. Device and Circuit Behavior Investigation of Small Diameter Nanowires
   Agency: TAMUK
   Role: PI
   Amount: $24,957
   Duration: 2010-2011
4. Acquisition of Manual Probe System for Research and Education
   Agency: College of Engineering, TAMUK
   Role: PI
   Amount: $ 24,000
   Duration: 2010 – 2011
5. Modeling of Organic Polymer-Carbon Nanotube Composites for Photovoltaic Applications
   Agency: College of Engineering, TAMUK
   Role: PI
   Amount: $ 49,430
   Duration: 2010 – 2011
6. Circuit level behavior of single-wall carbon nanotube electronic and sensor devices
   Agency: TAMUK
   Role: PI
   Amount: $27,389
   Duration: 2008-2009

Patents

Provisional Patent: F. Urbani, D.W. Stollberg, and **A. Verma**, "Integration of an Aperture-Coupled Nanofilm Microstrip Antenna in an Integrated Circuit Chip," Provisional Patent Number US 61/592,891, United States Patent and Trademark Office

Provisional Patent: F. Urbani, D.W. Stollberg, and **A. Verma**, "Steerable RF NanoAntenna," Provisional Patent Number US 61/514,515, United States Patent and Trademark Office

Bibliography of Publications

Refereed journal articles:

1. J. Ramanujam, G. Singh, A. Yadav, and **A. Verma**, "High External Quantum Efficiency (>140%) c-Silicon Solar Cells Fabricated Using Spin-on Dopants," Science, submitted
2. D. Shiri and **A. Verma**, "Photoconductive response of small diameter strained silicon nanowires: A Monte Carlo study," Physica Status Solidi, submitted
3. D. Shiri, **A. Verma**, C.R. Selvakumar, and M. P. Anantram, "Reversible Modulation of Spontaneous Emission by Strain in Silicon Nanowires," Scientific Reports, Nature Publishing Group, vol. 2, p. 461, 2012
4. J. Ramanujam, T.K.Maiti, and **A. Verma**, "Influence of Emitter Bandgap on Interdigited Point Contact Back Heterojunction (a-Si:H/c-Si) Solar Cell Performance," Solar Energy Materials and Solar Cells, submitted
5. J. Ramanujam and **A. Verma**, "Properties of PECVD a-Si:H Films for Photovoltaics: A Review," Materials Express, Vol. 2, No. 3, p. 177, 2012
6. S. Basavaraju, **A. Verma**, S.P. Morusupalli, and A. K. Buin, "Monte Carlo Study of Small Diameter Silicion Nanowire Field Effect Transistor," Materials Express, Vol. 2, p. 164, 2012
7. F. Urbani, D.W. Stollberg, and **A. Verma**, "Experimental Characterization of Nanofilm Microstrip Antennas", IEEE Transactions on Nanotechnology, Vol. 11, p. 406, 2012
8. J. Ramanujam, D.Shiri, and **A. Verma**, "Silicon Nanowire Growth and Properties: A Review", Materials Express, Vol. 1, No. 2, p. 105, 2011
9. **A. Verma**, A.K. Buin, and M. P. Anantram, "High-field hole transport in silicon nanowires", Journal of Applied Physics, vol. 106, p. 113713, 2009; *also selected for the December 21, 2009 issue of Virtual Journal of Nanoscale Science & Technology for frontier research.*
10. A.K. Buin, **A. Verma**, and M. P. Anantram, "Carrier-phonon interaction in small diameter silicon nanowires", Journal of Applied Physics, vol. 104, p. 053716, 2008
11. A.K. Buin, **A. Verma**, A. Svizhenko, and M. P. Anantram, "Significant enhancement of hole mobility in [110] silicon nanowires compared to electrons and bulk silicon", Nano Letters, vol. 8, p. 760, 2008
12. M.Z.Kauser, **A.Verma**, and P.P.Ruden, "Low and High field Transport for Semiconducting Carbon Nanotubes", Physica E, Vol. 34, page 666, 2006
13. **A. Verma**, M. Z. Kauser, and P. P. Ruden, "Effects of radial breathing modes on carrier transport in semi-conducting carbon nanotubes," Appl. Phys. Lett., vol. 87, pp. 123101, 2005
14. **A. Verma**, M. Z. Kauser, and P. P. Ruden, "Ensemble Monte Carlo Transport simulation for semi-conducting carbon nanotubes," J. Appl. Phys., vol. 97, pp. 114319, 2005; also selected for *the June 13, 2005 issue 23 of Virtual Journal of Nanoscale Science & Technology for frontier research.*
15. A. Chatterjee, P. Mongkolkachit, B.Bhuva, and **A. Verma**, "All Si-based optical interconnect for interchip signal transmission", IEEE Photonics Technology Letters, Volume 15, Issue 11, pp. 1663–1665, Nov. 2003

Refereed Conference Proceedings:

1. J. Ramanujam, G.Singh, A.Yadav, and **A. Verma**, "Fabrication of c-Si Based p-n Junction Solar Cells by Using Phosphoric Acid as Spin-on Dopant," PV Asia Pacific EXPO 2012, submitted
2. D.W.Stollberg, F. Urbani, and **A. Verma**, "Outstanding Performance of an All-carbon nanotube Patch," Proceedings of the 2011 MRS Spring Meeting, vol. 1359, mrss11-1359-nn09-04, 2011
3. F. Urbani, D.W.Stollberg, **A. Verma**, "Outstanding performance of a nanofilm microstrip antenna", Proceedings of the 2010 IEEE Nanomaterials and Device Conference, p. 160, 2010
4. S.P. Morusupalli, **A. Verma**, S. Basavaraju, A.K.Buin, R. Nekovei, "Modeling of switching response of small diameter nanowire field effect transistors", Proceedings of the 2010 IEEE Nanomaterials and Device Conference, p. 278, 2010
5. **A. Verma**, A.K.Buin, and M.P. Anantram, "Comparative Study of Charge Transport in Si and Ge Nanowires", Proceedings of the 2009 IEEE Nanotechnology Materials and Devices Conference, Traverse City, MI, June 2009, p. 64, 2009
6. **A. Verma**, A.K. Buin, M. P. Anantram, and R. Nekovei, "High-field hole transport in small diameter silicon nanowires", Proceedings of the 2008 IEEE conference on Nanotechnology, pp. 374-376, 2008
7. D. Holton, **A. Verma**, and G. Biswas, "Assessing Student Difficulties with Understanding the Behavior of AC Circuits", 2008 American Society for Engineering Education (ASEE) conference proceedings, AC 2008-542
8. M. Z. Kauser, **A. Verma** and, P. P. Ruden: "Electron Transport in Semiconducting Chiral Carbon Nanotubes," in Organic and Inorganic Nanotubes -- From Molecular to Submicron Structures, edited by K. Nielsch, O. Hayden, H. Ihara, D. Wang, Material Research Society Symp. Proc. 922E, Warrendale, PA, 2006), pp.0922-U07-50
9. **A. Verma**, M. Z. Kauser, B. W. Lee, K. F. Brennan and, P. P. Ruden, "Ensemble Monte Carlo Transport Simulations for Semiconducting Carbon nanotubes," in proceedings of 27th International Conference on the Physics of Semiconductors (ICPS-27) Flagstaff, Arizona, 2004
10. **A. Verma**, A. Chatterjee, B. Bhuva, and E.D. Jansen, "All Si-based optical interconnect for signal transmission", Proceedings of the IEEE International Interconnect Technology Conference, pp. 69–71, June 2001
11. A. Chatterjee, **A. Verma**, B. Bhuva, E.D. Jansen, and C.L. Wei, "Accelerated stressing and degradation mechanisms for Si-based photo-emitters", Proceedings of the IEEE International Reliability Physics Symposium, pp. 200-205, May 2001

Book Chapters:

D. L. Holton and **A. Verma**, "Designing Animated Simulations and Web-based Assessments to Improve Engineering Education", In A. K. Haghi and D. L. Russell (Eds.), Web-Based Engineering Education: Critical Design and Effective Tools, IGI Global, 2010

Other Publications:

Literary Fiction Novel, **Amit Verma**, "The Lives and the Times," Satyam Books, 2011

Other Professional Activities

1. Graduate Coordinator, Electrical Engineering, Texas A&M University-Kingsville, September 2012 – present
2. TAMUK Faculty Senate member, 2011 – present
3. Member, Executive Committee, TAMUK Faculty Senate, Fall 2012 - present
4. Secretary and Webmaster, IEEE Corpus Christi Section
5. Session co-Chair, 8th IEEE conference on Nanotechnology, Arlington, TX, August 2008
6. Technical Reviewer:
   a. IEEE Transactions on Nanotechnology, Applied Physics Letters, Journal of Vacuum Science and Technology B, COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronics Engineering, Materials Express, Acta Physica Polonica A
   b. 8th IEEE conference on Nanotechnology, Arlington, TX, August 2008: Over thirty (30) abstracts reviewed for the conference
   c. Book reviewer for John Wiley & Sons, Pearson, Oxford University Press
   d. Fulbright Scholarship award

TEXAS A&M KINGSVILLE (http://www.tamuk.edu)

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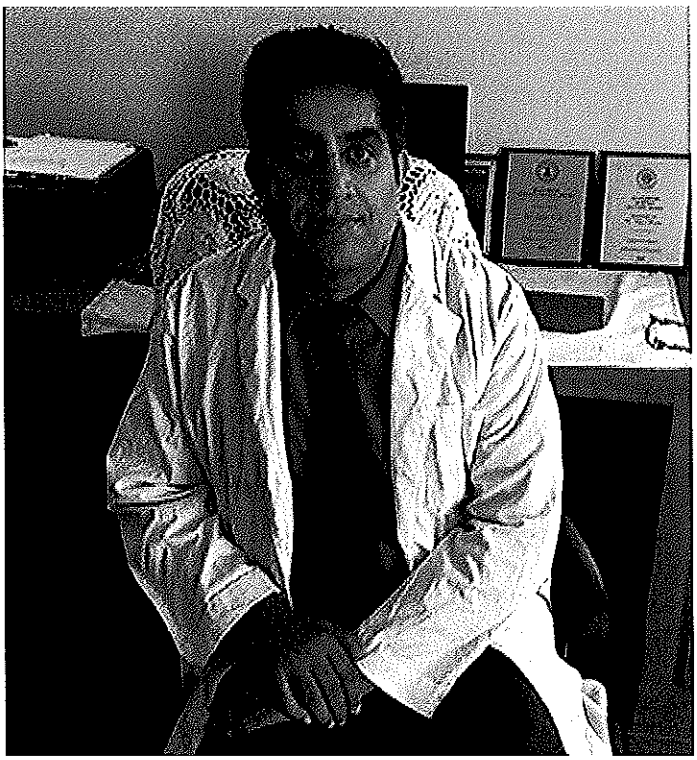
JNET (https://jnet.tamuk.edu/cp/home/displaylogin) Students (/current/index.html) Employees (/fac_staff/index.html) Veterans (http://www.tamuk.edu/veterans/index.html) Parking (http://www.tamuk.edu/finance/upd/parking.html) Resources (http://www.tamuk.edu/quicklinks/index.html)

Personnel Profile

Dr. Sajid Liu, Professor



Undergraduate Work: B.S. in Chemistry/Biochemistry

Graduate Work: M.S. in Fourier Transform Mass Spectrometry (FTMS) (1997) in Troy Wood's research group

Doctoral Work: Ph.D. in Matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) Mass Spectrometry (2001) in Peter Derrick's research group. I was also a postdoctoral associate (PDA) at Cornell University working on plant proteomics (2001-2003) before my current position at Texas A&M University-Kingsville.

Past Research: M.A., SUNY Buffalo (1997) Ph.D., Warwick University (2001) P.D.A., Cornell University (2003) P.A., NTRC (2003)

Current Research: Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF MS) and nanoelectrospray ionization (nESI). Electro spray ionization coupled to quadruple mass analyzer [LC-MS]. Nanoelectrospray ionization coupled to hybrid-quadrupole mass time-of-flight analyzer [LC-MS/MS]

Courses in Spring 2012

CHEM 1312 (syllabi/Bashir/CHEM 1312.001 s11 Bashir, Sajid.pdf); CHEM 1405 (syllabi/Bashir/CHEM 1405 Sajid.pdf); CHEM 3123 (syllabi/Bashir/CHEM 3123 Bashir, Sajid.pdf); CHEM 3125 (syllabi/Bashir/CHEM 3125.102 s12 Bashir, Sajid.pdf)

Contact Information

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This page was last updated on: September 14, 2018

mcgserrato@stwa.org

From: Sajid Liu <Sajid.Liu@tamuk.edu>
Sent: Wednesday, March 20, 2019 1:38 PM
To: mcgserrato@stwa.org
Cc: 'Brandon Barrera'; Amit Verma
Subject: RE: NPRP (91)
Attachments: STWA+QF_FINAL_2.docx

Importance: High

Ms. Serrato,

First of all, please let me say thank you for your service to this community, I really appreciate your light touch on this document. I wish we had more leaders following your example.

Dr. Verma will be present, my secretarial duties for the American Chemical Society, mean I will be working the conference, but I will sneak myself into one of the empty conference rooms and listen in and chime-in if a technical question is posed.

As I said in an earlier communication, we are not looking at hard dollars (although assistance would be appreciated) but an understanding of a payment-in-kind (PIK) which we could translate into equivalent dollars. This PIK can show solidarity between our proposal and the community for dissemination of research and outreach and would also be favorably viewed by the Qatar Foundation

We do have a track record of innovative research, last year we developed a new type of fingerprint agent, that has never been developed before to help our homicide division from gathering old latent fingerprints to solve crimes.

We now turn our focus to nanomaterials for water purification. The big Four D [disinfection, decomposition, decontamination and desalination].

Again to my knowledge there is no single agent that can do all four, but I believe we can do it with alittle helps from our friends.

Respectfully,

Saj

https://www.caller.com/story/news/local/2017/07/21/tamuk-plans-fingerprint-technology/398580001/

From: mcgserrato@stwa.org [mailto:mcgserrato@stwa.org]
Sent: Wednesday, March 20, 2019 12:21 PM
To: Sajid Liu <Sajid.Liu@tamuk.edu>
Cc: 'Brandon Barrera' <brandon.barrera2015@yahoo.com>; Amit Verma <Amit.Verma@tamuk.edu>
Subject: RE: NPRP (83)

Dr. Liu,

First, please call me Carola. Although I am Executive Director, my title would be Ms. Serrato if you are uncomfortable referring to me by my first name.

I have reviewed the revised proposal and there are still a few questions – again, I hope my writing is legible. The STWA agenda and packet are posted/emailed this Friday. However, it would be very helpful to have the final draft by tomorrow in the early afternoon.

Thank-you,
Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

From: Sajid Liu <Sajid.Liu@tamuk.edu>
Sent: Tuesday, March 19, 2019 8:14 PM
To: mcgserrato@stwa.org
Cc: Brandon Barrera <brandon.barrera2015@yahoo.com>; Amit Verma <Amit.Verma@tamuk.edu>
Subject: RE: NPRP (83)
Importance: High

Director Serrato,

Thank you for your kind efforts, we all appreciate your assistance. The Qatar Foundation project is an opportunity which I believe can assist our local communities and potentially businesses. We will also try and work with our PTAC and see if we can bring investment dollars from Qatar to South Texas. Currently, they have a project which requires disinfection and desalination to be performed in a seamless manner. To my knowledge this has never been done. To demonstrate that we have local support beyond our university, Dr. Verma suggested we approach you and due to the tireless efforts of Brandon Barrera, we are at this juncture.

Simply put, we are seeking some type of payment-in-kind which we can then leveraged with the Qatar Foundation and get research dollars to the university and if we complete this project successfully, bring research dollars to our communities. We also like to import or export our best practices as far as water purification is concerned as the Gulf Kingdom of Qatar and us in the Gulf share a similar issue. Too much sun, too much salt and not enough drinking or lawn water. If you own a house with a water softener system, you will know it is not a onetime cost.

I have made the revisions and Dr. Verma would be happy to meet at your earliest convenience. As secretary of the American Chemical Society, Energy & Fuels Division, I will be attending part of the conference related to its organization next week and most likely will not be here, having said this, Dr. Verma is here and this project is too important to be delayed by any single individual.

I want to thank you for your kind consideration, patience and your time and am willing to make accommodations you feel are appropriate to the technical report above.

Respectfully submitted

Sajid Liu, CSci CChem, FRSC, Ph.D (Wariwck U 01), PDA (Cornell U 03)

USAF DEBI Fellow (2015-2019)

361-228-3147 is my cell

mcgserrato@stwa.org

From:	mcgserrato@stwa.org
Sent:	Friday, March 15, 2019 11:58 AM
To:	'brandon barrera'
Cc:	Frances Rosales
Subject:	RE: NPRP (41)
Attachments:	AgriLife-HST Private Water Well Screening Proposal 08_29_18 _ FINAL.docx

Mr. Barrera:

I would be glad to meet with Dr. Verma and/or Dr. Liu on this matter. However, attached is the type of proposal that the STWA Board has reviewed in the past regarding a request for water related studies. As you can see, the attached proposal has significantly more detail than Dr. Liu's email. The Board still had several questions after reviewing the attached proposal.

After reviewing the email (several times), I have a number of suggestions to make the description more user friendly and very likely answer the type of questions that the Board has posed when reviewing past requests. Some specific examples are as follows:

- There are terms that should be defined. For example, what is a nano-system? (It appears, according to Dr. Verma's curriculum vitae, that Dr. Verma has devoted many years of his career to nano technology.)
- Other terms include conserved cell wall, macromolecule metabolic process, Erythromycin methyltransferases, AcrAB, RND efflux systems, membrane disassembly, and unzipping of DNA. For my own understanding, is "resistant antibiotics microorganism" the same as an antibiotic resistant microorganism?
- The "Laymans Summary" contains terms that would also need to be defined such as "photocatalytic." In addition, is "-omic analysis" intended to cover several types of analyses that end in "omic"?
- The email has a section entitled "YOUR ROLE" that would need to be much more specific. For example, the number of samples and location of samples would need to be detailed. Clarification would be needed on the "unpaid internship" and the "water plant" items. If the intern is unpaid, what would the funds cover? Which "water plant" is being considered? I noticed that the email referred to the "Kingsville water board"; is it possible that Dr. Verma thinks STWA operates City of Kingsville ground water wells?
- The email also has a section entitled "YOUR BENEFITS." Since STWA purchases treated water from the City of Corpus Christi, it is uncertain whether the STWA Board would consider having access to a chemical agent would be advantageous. However, if the proposal is suggesting that this chemical agent could be used on a large scale for a Water Treatment Plant such as ON Stevens thereby reducing costs or improving water quality at a reasonable cost, then that type of description would be needed.
- Finally, I started to research the Qatar Foundation listed in the "ACTION" section of the email. I did a very cursory internet search. I believe details on this Foundation would need to be included if the study is contingent on getting Foundation funding. Information on Dr. Verma, Dr. Liu and any graduate students would also be needed in the proposal.

The agenda and Board packet for the March 26th meeting will be developed next week. I would be glad to introduce this subject as a preliminary request.

Carola

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

From: brandon barrera <brandon.barrera2015@yahoo.com>
Sent: Friday, March 15, 2019 10:03 AM
To: Carola G. Serrato <mcgserrato@stwa.org>
Subject: Fw: NPRP (41)

Carola:

I was approached by Dr. Amit Verma from TAMUK and asked if there was any way that we could assist him and his colleague Sajid in a research project they are working. The project is in regards to water purification. Bellow is the email that I was sent by Sajid Liu a graduate student from TAMUK.

Would it be possible to set up a meeting with the two to see if there is anything that we might be able to do to help?

Thank you,

Brandon

----- Forwarded Message -----
From: Sajid Liu <Sajid.Liu@tamuk.edu>
To: Amit Verma <Amit.Verma@tamuk.edu>; brandon.barrera2015@yahoo.com <brandon.barrera2015@yahoo.com>
Sent: Friday, March 15, 2019, 12:47:04 AM CDT
Subject: NPRP (41)

Dear Brandon,

PROBLEM: Clean water is critical to life and is generated by filtration and disinfection of potable water, which is costly in terms of energy and resources. If the water source has saline, the water needs to undergo reverse omosis to remove salt. In addition, the water source may contain antibiotic resistant bacteria as well as organic compounds. We propose two nano-systems to purify water and to understand the biochemistry of antibiotic resistance to ensure the microorganism do not become resistant to our proposed nanosystem.

SOLUTION: We propose a bifunctional Au@TiO2 core-shell nanoparticle film [Au NP] purification of seawater and a metal-free carbon nanodot -hybridized protonated graphene with carbon nitride [gC3N4] quantum dots (gCDs) for degradation of Methyl Orange and drug-resistant Escherichia coli (E. coli) and Staphylococcus aureus (S. aureus).

HYPOTHESIS: Disinfection of resistant antibiotics microorganism is via membrane disassembly and unzipping of deoxyribonucleic acid (DNA) using the oxygen reactive species such as hydroxyl radical

APPROACH: Through expected morphological changes in E. coli and S. aureus, the possible mechanisms for drug resistance will be examined for bacterial damage caused by our nano-disinfectants. Gene expression profiling methods, such as (23S) rRNA or RNA sequencing, will be used to predict discover mechanisms of toxicity of nano-disinfectants. Gene ontology (GO) assay analyses will be used to demonstrate the molecular mechanism of the antibacterial effect of Au NPs or gQDs. Cellular component ontology, will be applied to understand if Au NP or gCDs disrupt cell wall organization or biogenesis or conserved cell wall macromolecule metabolic process leading to inactivation and whether these processes are activated related to erythromycin (Erm) methyltransferases, AcrAB or RND efflux system with Au NPs or gCDs relative to common antibiotics like tetracycline

LAYMANS SUMMARY: The present study incorporating synthesis and -omic analysis will offer novel insights into the molecular mechanism of antibacterial resistance of potential pathogenic microorganism in water, as well as offering a general photocatalytic system for purification of polluted water.

YOUR ROLE: Payment-in-kind (PIK) involving
(i) water samples which contain certain pollutants for us to evaluate

(ii) Possible unpaid Internship for one graduate to work in the water plant

(iii) If funds become available transfer the unpaid internship to a paid internship coupled with laboratory based research at Texas A&M university-Kingsville

YOUR BENEFITS: Access to a chemical agent that will purify water of harmful organics and microorganism using visible light and if coupled to a solar cell, can desalt water using evaporation. This is cheaper, easier to use, avoid application of bleach with associated sensitization risk of employee and links the university and the community together.
ACTION: A conditional letter of support offering support if proposal is funded by the Qatar Foundation and (b) discretionary funds are available by your organization.

Saj

From: Amit Verma
Sent: Thursday, March 14, 2019 11:38 PM
To: brandon.barrera2015@yahoo.com
Cc: Sajid Liu <Sajid.Liu@tamuk.edu>
Subject: Re: Hello

And sorry! Sajid is my colleague from Chemistry at TAMUK.

From: Amit Verma

Sent: Thursday, March 14, 2019 11:36 PM
To: brandon.barrera2015@yahoo.com
Cc: Sajid Liu
Subject: Hello

Hi Sajid,

As I mentioned yesterday, let me introduce you to Brandon. Brandon is a great friend of mine, and is on the Kingsville water board. I am trying to send him a one page writeup that you sent to Shibl, but I cannot seem to find it in my mailbox. Do you have it? If so, can you please email it to him?

Thanks!

Amit

mcgserrato@stwa.org

From: mcgserrato@stwa.org
Sent: Tuesday, March 19, 2019 3:52 PM
To: sajid.liu@tamuk.edu
Cc: Brandon Barrera (brandon.barrera2015@yahoo.com); amit.verma@tamuk.edu
Subject: RE: NPRP (64)
Attachments: TAMUK Proposal Nanotube Network Draft.pdf

Dr. Liu:

I read through the proposal several times and there were a number of questions/comments/corrections that I thought should be brought to your attention since the STWA Board will be provided with your final draft as part of the March 26 Board Meeting agenda packet. These are noted in the attached pdf file with my hand written notes. I hope the notes are legible. Also, I offer my apologies in advance if the comments are as a result of the proposal being written in a particular science paper format that I am unfamiliar with. Nonetheless, there were several questions that seemed to be repeated and warrant pointing out as well as reference to the City of Corpus Christi and local practices:

1. The proposal seems to indicate that the samples will be from wastewater discharges of municipal and industrial (power generating company) outfalls. However, in other sections of the proposal, it appears to refer to groundwater well sources. Are all of these sources to be sampled?
2. There is reference to a chemical that would be available to STWA for treatment. STWA purchases treated water from the City of Corpus Christi. I want to clarify that South Texas Water Authority only boosts the chloramine residual.
3. On page 2, there is reference to the City of Corpus Christi and what I believe was intended to be boil water notices ["boiling warming"]. The City of Corpus Christi's boil water notices were as a result of low chloramine residuals in the far reaches of their distribution system. The City has addressed this issue by the addition of chlorine dioxide - in April of 2017. There has not been another incident since that time.
4. At the bottom of page 2/top of page 3, there is reference to landowners and golf resorts using Gulf waters "to water soil and lawns..." I am not familiar with this practice in the Coastal Bend Region. Private residents and golf courses have used treated municipal wastewater in the past. But, I have not seen any reports that indicate a build-up of salt in soils due to this type of irrigation. A quick internet check shows that a grass called seashore paspalum is used at some golf courses. Again, if there are any golf courses in the Coastal Bend Region irrigating with Gulf waters it would be interesting to know about this – not just for this proposal but also in my role as Co-chair of the Coastal Bend Regional Water Planning Group. BTW, is salinization of the soil the same as "salt inclusion?"

Finally, your email below refers to providing a letter prior to March 26th. The STWA Board meets on that day and the earliest a letter could be provided would be after that Board meeting.

Please let me know if I need to clarify any of my handwritten notes.

Carola G. Serrato
Executive Director
South Texas Water Authority
PO Box 1701
Kingsville, Texas 78364
361-592-9323 x112

From: brandon barrera <brandon.barrera2015@yahoo.com>
Sent: Monday, March 18, 2019 9:35 AM
To: mcgserrato@stwa.org
Cc: sajid.liu@tamuk.edu; amit.verma@tamuk.edu
Subject: Fwd: NPRP (64)

Carola:

Dr. Liu's proposal is attached. I've carbon copied him and Dr. Verma on this email as well.

Thank you,

Brandon

Sent from my iPhone

Begin forwarded message:

From: Sajid Liu <Sajid.Liu@tamuk.edu>
Date: March 16, 2019 at 11:39:42 PM CDT
To: brandon barrera <brandon.barrera2015@yahoo.com>
Cc: "Amit Verma" <Amit.Verma@tamuk.edu>
Subject: RE: NPRP (64)

Dear Brandon,

Here is a proposal modelled on the template. If you can confer and get us a provisional letter of support before the 26th of March, that would be awesome, but we can use that to strengthen our request of funds in Qatar. Since you support is contingent on us getting funds from Qatar, I see no downside as there are no binding commitments until we secure support from Qatar.

As far as I am aware this is the first proposed use of a nanocatalyst for water disinfection, desalination and decolourisation with potential for heavy metal ion removal that is not a filter. The letter also open the pipeline between exchange between STWA (TX) and KAHRAMAA (Qatar).

Respectfully,

Sajid
361-228-3147

ATTACHMENT 17

Annexation Petitions

Memorandum

To: South Texas Water Authority Board of Directors
From: Carola G. Serrato, Executive Director
Date: March 22, 2019
Re: Annexation Petitions – Five (5) Additional Cyndie Park 2 Subdivision Petitions – Set Time/Date for Public Hearing

Background:

As reported in a recent Weekly Update, on behalf of the Nueces Water Supply Corporation (NWSC), several staff attended a Cyndie Park 2 Water Supply Corporation meeting as a means to collect the necessary documents (NWSC Service Agreement and Annexation Petition) to complete the paperwork process. As the Board is aware, a property owner living outside of South Texas Water Authority's (STWA) district boundaries will request retail water service from the Nueces Water Supply Corporation (NWSC) and is then required to request annexation into STWA's district. This results in the new NWSC member paying the same costs as all other NWSC customers, specifically their NWSC retail water bill and property taxes to STWA.

As reported and discussed previously, the Nueces County Grant Department has secured grant funds to extend water service to the Cyndie Park area in order to eliminate use of the CP2WSC's groundwater well which contains arsenic that exceeds the Maximum Contaminant Level (MCL). The latest milestone in this long-term project is the advertisement for bids for the construction of the new Banquete Pump Station. The bid opening is scheduled for April 5, 2019.

With the execution of a Bill of Sale, NWSC will be accepting the CP2WSC service area as approved by the Texas Public Utility Commission (TPUC). Staff had hoped, by this juncture, to have the proper paperwork from approximately twenty (20) active CP2WSC customers owning property in the Cyndie Park 2 subdivision – there are about another five (5) customers serviced by CP2WSC owning property in the Cyndie Park 1 subdivision and The Ranch subdivision. However, legal counsel has recommended and the NWSC Board has agreed to begin serving the area despite without all accounts' documents in hand. This will require additional efforts to collect the documents. Ultimately, a third letter will be sent followed by a disconnection notice with a set deadline.

Analysis:

The five (5) enclosed petitions brings the total to eight (8) Cyndie Park 2 Subdivision property owners that have filed their necessary paperwork. This is a two-step process. This first step sets the time and date for the public hearing and allows for the publication of the required notice. The public hearing will be prior to the April Board meeting.

Staff Recommendation:

Adopt Resolutions 19-16 through 19-20.

Board Action:

Determine whether to adopt Resolutions 19-16 through 19-20.

Summarization:

Accepting the petitions and publishing notice of a hearing date and time, enables the landowner to receive service and provides uniformity between all NWSC members.

ATTACHMENT 18

Resolution 19-16

SOUTH TEXAS WATER AUTHORITY

Resolution 19-16

RESOLUTION OF DETERMINATION OF VALIDITY OF ANNEXATION PETITION, SETTING PUBLIC HEARING AND AUTHORIZING PUBLICATION OF NOTICE.

WHEREAS, Crystal Lynn Barrera (Petitioner), has filed the attached petition (the Petition) with the South Texas Water Authority requesting annexation of her property into the South Texas Water Authority in order to allow water service to her property to be provided by Nueces Water Supply Corporation, and

WHEREAS, the South Texas Water Authority Board of Directors has reviewed the Petition and finds that it meets all of the requirements for annexation into the South Texas Water Authority's District, and

WHEREAS, the Board of Directors hereby sets a public hearing to hear evidence for or against the proposed annexation of this property to be held on April 23, 2019 at 5:30 p.m. at the South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the South Texas Water Authority hereby authorizes the publication of the attached Notice of Public Hearing on Annexation for a public hearing to be held on April 23, 2019 at 5:30 p.m. at South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas. At such hearing all interested persons may appear and offer evidence for or against the proposed annexation of the property described in Exhibit A of the Petition.

Duly adopted this 26th day of March, 2019.

_____
KATHLEEN LOWMAN, PRESIDENT

ATTEST:

_____
RUDY GALVAN, JR., SECRETARY/TREASURER

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

STATE OF TEXAS :
COUNTY OF NUECES :

TO THE BOARD OF DIRECTORS OF THE SOUTH TEXAS WATER AUTHORITY:

The undersigned (herein called "Petitioner"), holder of title to the territory described by metes and bounds in Exhibit "A" which is attached hereto and incorporated herein for all purposes, being all of the residents and landowners of such territory, as shown by the tax rolls of Nueces County, Texas, and acting pursuant to the provisions of Section 11006.052, Special District Local Laws Code, respectfully petitions the Board of Directors of South Texas Water Authority that the territory described by metes and bounds in Exhibit "A" be added to and become a part of the established South Texas Water Authority, and in support of this petition would show as follows:

I.

Fee simple title and full ownership of the aforesaid territory, which lies wholly within Nueces County, Texas, is vested in Petitioner.

II.

The addition of said territory to South Texas Water Authority is feasible and practical, would be to the best interest both to the territory and to the Authority and would benefit said territory.

III.

The Authority will be able to supply water, or have water supplied, to the added territory.

IV.

This petition shall constitute an election on the part of the Petitioner, its successors and assigns, for the aforesaid land and any improvements which may be constructed thereon to become liable for all present and future debts of the Authority in the same manner and to the same extent as other lands and improvements in the Authority are liable for the Authority's debts.

V.

Petitioner hereby authorizes the Board of Directors of the Authority to levy taxes and set rates sufficient to pay their share of the aforementioned outstanding indebtedness.

WHEREFORE, Petitioner prays that this petition be properly filed, as provided by law; that the Board of Directors of South Texas Water Authority hear and consider the petition in keeping with the provisions of Section 11006.052, Special District Local Laws Code and that this petition in all things be granted and that the territory described in Exhibit "A" be added to and become a part of the established South Texas Water Authority; that after this petition is granted the Board's order thereon be filed of record and be recorded in the Deed Records of Nueces County, Texas; and that the area described in Exhibit "A" be thereafter a component part of South Texas Water Authority.

[Signatures and Acknowledgement on following page.]

EXECUTED this 19th day of March, 2019.

Crystal Lynn Barrera

Crystal Lynn Barrera

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY of Nueces

Subscribed and sworn to before me Crystal Lynn Barrera on this the 19 day of March, 2019.

NOEMI S. FLORES
Notary Public, State of Texas
Comm. Expires 04-22-2020
Notary ID 2928416

NOTARY SEAL

Noemi S. Flores

Notary Public

My Commission Expires: 04/22/20

Exhibit "A"

To

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

Property Description:

MANTOR BRIGGS-KUYKENDALL out of lot 25, aka Cyndie Park Unit 2 Tract Twenty-Seven (27) and Southwest Quarter (SW/4) of Tract Twenty-eight (28), being a tract of land containing 0.80 acres more or less, in Nueces County Texas.

NOTICE OF PUBLIC HEARING ON ANNEXATION

THE STATE OF TEXAS
SOUTH TEXAS WATER AUTHORITY

Pursuant to a Resolution adopted by the Board of Directors of South Texas Water Authority, a hearing shall be held at the South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas, on April 23, 2019 at 5:30 p.m. with respect to the Petition filed by Crystal Lynn Barrera for annexation of the territory described below, on the question of whether the territory sought to be annexed will be benefited by the improvements, works, and facilities then owned or operated or contemplated to be owned or operated by the Authority or by the other functions of the Authority. All interested persons may appear at such hearing and offer evidence for or against the proposed annexation.

Signed this the 26th day of March, 2019.

Kathleen Lowman, President
Board of Directors
South Texas Water Authority

That certain lot or tract of land situated in Nueces County, Texas, and more particularly described as follows:

> MANTOR, BRIGGS-KUYKENDALL out of lot 25, aka Cyndie Park Unit 2 Tract Twenty-Seven (27) and Southwest Quarter (SW/4) of Tract Twenty-eight (28), being a tract of land containing 0.80 acres more or less, in Nueces County, Texas.

ATTACHMENT 19

Resolution 19-17

SOUTH TEXAS WATER AUTHORITY

Resolution 19-17

RESOLUTION OF DETERMINATION OF VALIDITY OF ANNEXATION PETITION, SETTING PUBLIC HEARING AND AUTHORIZING PUBLICATION OF NOTICE.

WHEREAS, Robert E. Burleson, III., (Petitioner), has filed the attached petition (the Petition) with the South Texas Water Authority requesting annexation of his property into the South Texas Water Authority in order to allow water service to his property to be provided by Nueces Water Supply Corporation, and

WHEREAS, the South Texas Water Authority Board of Directors has reviewed the Petition and finds that it meets all of the requirements for annexation into the South Texas Water Authority's District, and

WHEREAS, the Board of Directors hereby sets a public hearing to hear evidence for or against the proposed annexation of this property to be held on April 23, 2019 at 5:30 p.m. at the South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the South Texas Water Authority hereby authorizes the publication of the attached Notice of Public Hearing on Annexation for a public hearing to be held on April 23, 2019 at 5:30 p.m. at South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas. At such hearing all interested persons may appear and offer evidence for or against the proposed annexation of the property described in Exhibit A of the Petition.

Duly adopted this 26th day of March, 2019.

_____

KATHLEEN LOWMAN, PRESIDENT

ATTEST:

_____

RUDY GALVAN, JR., SECRETARY/TREASURER

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

STATE OF TEXAS :
COUNTY OF NUECES :

TO THE BOARD OF DIRECTORS OF THE SOUTH TEXAS WATER AUTHORITY:

The undersigned (herein called "Petitioner"), holder of title to the territory described by metes and bounds in Exhibit "A" which is attached hereto and incorporated herein for all purposes, being all of the residents and landowners of such territory, as shown by the tax rolls of Nueces County, Texas, and acting pursuant to the provisions of Section 11006.052, Special District Local Laws Code, respectfully petitions the Board of Directors of South Texas Water Authority that the territory described by metes and bounds in Exhibit "A" be added to and become a part of the established South Texas Water Authority, and in support of this petition would show as follows:

I.

Fee simple title and full ownership of the aforesaid territory, which lies wholly within Nueces County, Texas, is vested in Petitioner.

II.

The addition of said territory to South Texas Water Authority is feasible and practical, would be to the best interest both to the territory and to the Authority and would benefit said territory.

III.

The Authority will be able to supply water, or have water supplied, to the added territory.

IV.

This petition shall constitute an election on the part of the Petitioner, its successors and assigns, for the aforesaid land and any improvements which may be constructed thereon to become liable for all present and future debts of the Authority in the same manner and to the same extent as other lands and improvements in the Authority are liable for the Authority's debts.

V.

Petitioner hereby authorizes the Board of Directors of the Authority to levy taxes and set rates sufficient to pay their share of the aforementioned outstanding indebtedness.

WHEREFORE, Petitioner prays that this petition be properly filed, as provided by law; that the Board of Directors of South Texas Water Authority hear and consider the petition in keeping with the provisions of Section 11006.052, Special District Local Laws Code and that this petition in all things be granted and that the territory described in Exhibit "A" be added to and become a part of the established South Texas Water Authority; that after this petition is granted the Board's order thereon be filed of record and be recorded in the Deed Records of Nueces County, Texas; and that the area described in Exhibit "A" be thereafter a component part of South Texas Water Authority.

[Signatures and Acknowledgement on following page.]

EXECUTED this 19 day of MARCH, 2019.

Robert E. Burleson, III.

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY of Nueces

Subscribed and sworn to before me Robert E. Burleson, III. on this the 19 day of March, 2019.

NOEMI S. FLORES
Notary Public, State of Texas
Comm. Expires 04-22-2020
Notary ID 2928416

Noemi S Flores
Notary Public

My Commission Expires: 4/22/2020

NOTARY SEAL

Exhibit "A"

To

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

Property Description:

A Tract of land containing 0.64 acres, more or less, being Tract 45, CYNDIE PARK UNIT 2 in Nueces County, Texas, an unrecorded subdivision out of 29.59 acre Unit #2, out of the 238.79 acre tract of land conveyed by V. I. Schimmel, a feme sole, to John S. McGregor and C.C. Speed by deed recorded in Volume 1840, Page 1017-1021 of the Deed Records of Nueces County, Texas; being out of THE CASA BLANCA GRANT and now being more particularly described hereof by metes and bounds of the Special Warranty Deed recorded under Document No. 2015021137 of the Official Records of Nueces County, Texas

NOTICE OF PUBLIC HEARING ON ANNEXATION

THE STATE OF TEXAS
SOUTH TEXAS WATER AUTHORITY

Pursuant to a Resolution adopted by the Board of Directors of South Texas Water Authority, a hearing shall be held at the South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas, on April 23, 2019 at 5:30 p.m. with respect to the Petition filed by Robert E. Burleson, III. for annexation of the territory described below, on the question of whether the territory sought to be annexed will be benefited by the improvements, works, and facilities then owned or operated or contemplated to be owned or operated by the Authority or by the other functions of the Authority. All interested persons may appear at such hearing and offer evidence for or against the proposed annexation.

Signed this the 26th day of March, 2019.

Kathleen Lowman, President
Board of Directors
South Texas Water Authority

That certain lot or tract of land situated in Nueces County, Texas, and more particularly described as follows:

A Tract of land containing 0.64 acres, more or less, being Tract 45, CYNDIE PARK UNIT 2 in Nueces County, Texas, an unrecorded subdivision out of 29.59 acre Unit #2, out of 238.79 acre tract of land conveyed by V. I. Schimmel, a feme sole, to John S. McGregor and C.C. Speed by deed recorded in Volume 1840, Page 1017-1021 of the Deed Records of Nueces County, Texas; being out of THE CASA BLANCA GRANT and now being more particularly described hereof by metes and bounds of the Special Warranty Deed recorded under Document No. 2015021137 of the Official Records of Nueces County, Texas.

ATTACHMENT 20

Resolution 19-18

SOUTH TEXAS WATER AUTHORITY

Resolution 19-18

RESOLUTION OF DETERMINATION OF VALIDITY OF ANNEXATION PETITION, SETTING PUBLIC HEARING AND AUTHORIZING PUBLICATION OF NOTICE.

WHEREAS, Roland Bayardo and San Juana Bayardo (Petitioners), have filed the attached petition (the Petition) with the South Texas Water Authority requesting annexation of their property into the South Texas Water Authority in order to allow water service to their property to be provided by Nueces Water Supply Corporation, and

WHEREAS, the South Texas Water Authority Board of Directors has reviewed the Petition and finds that it meets all of the requirements for annexation into the South Texas Water Authority's District, and

WHEREAS, the Board of Directors hereby sets a public hearing to hear evidence for or against the proposed annexation of this property to be held on April 23, 2019 at 5:30 p.m. at the South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the South Texas Water Authority hereby authorizes the publication of the attached Notice of Public Hearing on Annexation for a public hearing to be held on April 23, 2019 at 5:30 p.m. at South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas. At such hearing all interested persons may appear and offer evidence for or against the proposed annexation of the property described in Exhibit A of the Petition.

Duly adopted this 26th day of March, 2019.

_____

KATHLEEN LOWMAN, PRESIDENT

ATTEST:

_____

RUDY GALVAN, JR., SECRETARY/TREASURER

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

STATE OF TEXAS :
COUNTY OF NUECES :

TO THE BOARD OF DIRECTORS OF THE SOUTH TEXAS WATER AUTHORITY:

The undersigned (herein called "Petitioner"), holder of title to the territory described by metes and bounds in Exhibit "A" which is attached hereto and incorporated herein for all purposes, being all of the residents and landowners of such territory, as shown by the tax rolls of Nueces County, Texas, and acting pursuant to the provisions of Section 11006.052, Special District Local Laws Code, respectfully petitions the Board of Directors of South Texas Water Authority that the territory described by metes and bounds in Exhibit "A" be added to and become a part of the established South Texas Water Authority, and in support of this petition would show as follows:

I.

Fee simple title and full ownership of the aforesaid territory, which lies wholly within Nueces County, Texas, is vested in Petitioner.

II.

The addition of said territory to South Texas Water Authority is feasible and practical, would be to the best interest both to the territory and to the Authority and would benefit said territory.

III.

The Authority will be able to supply water, or have water supplied, to the added territory.

IV.

This petition shall constitute an election on the part of the Petitioner, its successors and assigns, for the aforesaid land and any improvements which may be constructed thereon to become liable for all present and future debts of the Authority in the same manner and to the same extent as other lands and improvements in the Authority are liable for the Authority's debts.

V.

Petitioner hereby authorizes the Board of Directors of the Authority to levy taxes and set rates sufficient to pay their share of the aforementioned outstanding indebtedness.

WHEREFORE, Petitioner prays that this petition be properly filed, as provided by law; that the Board of Directors of South Texas Water Authority hear and consider the petition in keeping with the provisions of Section 11006.052, Special District Local Laws Code and that this petition in all things be granted and that the territory described in Exhibit "A" be added to and become a part of the established South Texas Water Authority; that after this petition is granted the Board's order thereon be filed of record and be recorded in the Deed Records of Nueces County, Texas; and that the area described in Exhibit "A" be thereafter a component part of South Texas Water Authority.

[Signatures and Acknowledgement on following page.]

EXECUTED this 19th day of March, 2019.

Rolando Bayardo

San Juana Bayardo

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY of Nueces

Subscribed and sworn to before me Rolando Bayardo on this the 19th day of March, 2019.

NOEMI S. FLORES
Notary Public, State of Texas
Comm. Expires 04-22-2020
Notary ID 2928416

Noemi S Flores
Notary Public

My Commission Expires: NSF 3/19 4/22/2020

NOTARY SEAL

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY of Nueces

Subscribed and sworn to before me San Juana Bayardo on this the 19th day of March, 2019.

NOEMI S. FLORES
Notary Public, State of Texas
Comm. Expires 04-22-2020
Notary ID 2928416

Noemi S Flores
Notary Public

My Commission Expires: 4/20/2020

NOTARY SEAL

Exhibit "A"

To

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

Property Description:

Tract Twenty-Two (22), CYNDIE PARK UNIT 2 in Nueces County, Texas being a tract of land containing 0.64 acres, more or less and the adjoining one-half (1/2) of Tract Twenty-Three (23), CYNDIE PARK UNIT 2, in Nueces County, Texas, being a tract of land containing 0.32 acres more or less, out of a 29.59 acre Unit No. 2 out of 59.59 acres, more or less, out of that 238.79 acres standing in the names of John S. McGregor and C.C. Speed by deed recorded in Volume 1840, Page 1017 of the Deed Records of Nueces County, Texas and all being out of THE CASA BLANCA GRANT and being a part of Blocks Twenty-Four (24) and Twenty-Five (25) of the MANTOR, BRIGGS & KUYKENDALL SUBDIVISION of 5155.97 acres in Nueces County, Texas, according to map or plat recorded in Volume 2, Page 57 of the Map Records of Nueces County, Texas, and being more particularly described on Exhibit "A" of the Warranty Deed recorded in Volume 2102, Page 267 of the Deeds Records of Nueces County, Texas.

NOTICE OF PUBLIC HEARING ON ANNEXATION

THE STATE OF TEXAS
SOUTH TEXAS WATER AUTHORITY

Pursuant to a Resolution adopted by the Board of Directors of South Texas Water Authority, a hearing shall be held at the South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas, on April 23, 2019 at 5:30 p.m. with respect to the Petition filed by Roland Bayardo and San Juana Bayardo for annexation of the territory described below, on the question of whether the territory sought to be annexed will be benefited by the improvements, works, and facilities then owned or operated or contemplated to be owned or operated by the Authority or by the other functions of the Authority. All interested persons may appear at such hearing and offer evidence for or against the proposed annexation.

Signed this the 26th day of March, 2019.

Kathleen Lowman, President
Board of Directors
South Texas Water Authority

That certain lot or tract of land situated in Nueces County, Texas, and more particularly described as follows:

Tract Twenty-Two (22), CYNDIE PARK UNIT 2 in Nueces County, Texas being a tract of land containing 0.64 acres, more or less and the adjoining one-half (1/2) of Tract Twenty-Three (23), CYNDIE PARK UNIT 2, in Nueces County, Texas being a tract of land containing 0.32 acres, more or less, out of a 29.59 acre Unit No. 2 out of 59.59 acres, more or less, out of that 238.79 acres standing in the names of John S. McGregor and C.C. Speed by deed recorded in Volume 1840, Page 1017 of the Deed Records of Nueces County, Texas and all being out of THE CASA BLANCA GRANT and being a part of Tracts Twenty-Four (24) and Twenty-Five (25) of the MANTOR, BRIGGS & KUYKENDALL SUBDIVISION of 5155.97 acres in Nueces County, Texas, according to map or plat recorded in Volume 2, Page 57 of the Map Records of Nueces County, Texas, and being more particularly described in Exhibit "A" of the Warranty Deed recorded in Volume 2102, Page 267 of the Deed Records of Nueces County, Texas.

ATTACHMENT 21

Resolution 19-19

SOUTH TEXAS WATER AUTHORITY

Resolution 19-19

RESOLUTION OF DETERMINATION OF VALIDITY OF ANNEXATION PETITION, SETTING PUBLIC HEARING AND AUTHORIZING PUBLICATION OF NOTICE.

WHEREAS, Richard L. Burleson (Petitioner), has filed the attached petition (the Petition) with the South Texas Water Authority requesting annexation of his property into the South Texas Water Authority in order to allow water service to his property to be provided by Nueces Water Supply Corporation, and

WHEREAS, the South Texas Water Authority Board of Directors has reviewed the Petition and finds that it meets all of the requirements for annexation into the South Texas Water Authority's District, and

WHEREAS, the Board of Directors hereby sets a public hearing to hear evidence for or against the proposed annexation of this property to be held on April 23, 2019 at 5:30 p.m. at the South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the South Texas Water Authority hereby authorizes the publication of the attached Notice of Public Hearing on Annexation for a public hearing to be held on April 23, 2019 at 5:30 p.m. at South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas. At such hearing all interested persons may appear and offer evidence for or against the proposed annexation of the property described in Exhibit A of the Petition.

Duly adopted this 26th day of March, 2019.

_____

KATHLEEN LOWMAN, PRESIDENT

ATTEST:

_____

RUDY GALVAN, JR., SECRETARY/TREASURER

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

STATE OF TEXAS :
COUNTY OF NUECES :

TO THE BOARD OF DIRECTORS OF THE SOUTH TEXAS WATER AUTHORITY:

The undersigned (herein called "Petitioner"), holder of title to the territory described by metes and bounds in Exhibit "A" which is attached hereto and incorporated herein for all purposes, being all of the residents and landowners of such territory, as shown by the tax rolls of Nueces County, Texas, and acting pursuant to the provisions of Section 11006.052, Special District Local Laws Code, respectfully petitions the Board of Directors of South Texas Water Authority that the territory described by metes and bounds in Exhibit "A" be added to and become a part of the established South Texas Water Authority, and in support of this petition would show as follows:

I.

Fee simple title and full ownership of the aforesaid territory, which lies wholly within Nueces County, Texas, is vested in Petitioner.

II.

The addition of said territory to South Texas Water Authority is feasible and practical, would be to the best interest both to the territory and to the Authority and would benefit said territory.

III.

The Authority will be able to supply water, or have water supplied, to the added territory.

IV.

This petition shall constitute an election on the part of the Petitioner, its successors and assigns, for the aforesaid land and any improvements which may be constructed thereon to become liable for all present and future debts of the Authority in the same manner and to the same extent as other lands and improvements in the Authority are liable for the Authority's debts.

V.

Petitioner hereby authorizes the Board of Directors of the Authority to levy taxes and set rates sufficient to pay their share of the aforementioned outstanding indebtedness.

WHEREFORE, Petitioner prays that this petition be properly filed, as provided by law; that the Board of Directors of South Texas Water Authority hear and consider the petition in keeping with the provisions of Section 11006.052, Special District Local Laws Code; and that this petition in all things be granted and that the territory described in Exhibit "A" be added to and become a part of the established South Texas Water Authority; that after this petition is granted the Board's order thereon be filed of record and be recorded in the Deed Records of Nueces County, Texas; and that the area described in Exhibit "A" be thereafter a component part of South Texas Water Authority.

[Signatures and Acknowledgement on following page.]

EXECUTED this 19 day of MARCH, 2019.

Richard L Burleson

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY of Nueces

Subscribed and sworn to before me Richard L Burleson on this the 19th day of March, 2019.

NOEMI S. FLORES
Notary Public, State of Texas
Comm. Expires 04-22-2020
Notary ID 2928416

Noemi S Flores
Notary Public

My Commission Expires: 4/22/2020

NOTARY SEAL

Exhibit "A"

To

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

Property Description:

The Southwest 23.51 feet of Lot 9, all of lot 10 and the adjoining Northeast 1/2 of Lot 11, CYNDIE PARK UNIT 2, in Nueces County, Texas.

NOTICE OF PUBLIC HEARING ON ANNEXATION

THE STATE OF TEXAS
SOUTH TEXAS WATER AUTHORITY

Pursuant to a Resolution adopted by the Board of Directors of South Texas Water Authority, a hearing shall be held at the South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas, on April 23, 2019 at 5:30 p.m. with respect to the Petition filed by Richard L. Burleson for annexation of the territory described below, on the question of whether the territory sought to be annexed will be benefited by the improvements, works, and facilities then owned or operated or contemplated to be owned or operated by the Authority or by the other functions of the Authority. All interested persons may appear at such hearing and offer evidence for or against the proposed annexation.

Signed this the 26th day of March, 2019.

Kathleen Lowman, President
Board of Directors
South Texas Water Authority

That certain lot or tract of land situated in Nueces County, Texas, and more particularly described as follows:

The Southwest 23.51 feet of Lot 9, all of lot 10 and the adjoining Northeast ½ of Lot 11, CYNDIE PARK UNIT 2 in Nueces County, Texas.

ATTACHMENT 22

Resolution 19-20

SOUTH TEXAS WATER AUTHORITY

Resolution 19-20

RESOLUTION OF DETERMINATION OF VALIDITY OF ANNEXATION PETITION, SETTING PUBLIC HEARING AND AUTHORIZING PUBLICATION OF NOTICE.

WHEREAS, Jose Ovidio Guzman, Jr. (Petitioner), has filed the attached petition (the Petition) with the South Texas Water Authority requesting annexation of his property into the South Texas Water Authority in order to allow water service to his property to be provided by Nueces Water Supply Corporation, and

WHEREAS, the South Texas Water Authority Board of Directors has reviewed the Petition and finds that it meets all of the requirements for annexation into the South Texas Water Authority's District, and

WHEREAS, the Board of Directors hereby sets a public hearing to hear evidence for or against the proposed annexation of this property to be held on April 23, 2019 at 5:30 p.m. at the South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas.

NOW, THEREFORE, BE IT RESOLVED that the Board of Directors of the South Texas Water Authority hereby authorizes the publication of the attached Notice of Public Hearing on Annexation for a public hearing to be held on April 23, 2019 at 5:30 p.m. at South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas. At such hearing all interested persons may appear and offer evidence for or against the proposed annexation of the property described in Exhibit A of the Petition.

Duly adopted this 26th day of March, 2019.

_____

KATHLEEN LOWMAN, PRESIDENT

ATTEST:

_____

RUDY GALVAN, JR., SECRETARY/TREASURER

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

STATE OF TEXAS :
COUNTY OF NUECES :

TO THE BOARD OF DIRECTORS OF THE SOUTH TEXAS WATER AUTHORITY:

The undersigned (herein called "Petitioner"), holder of title to the territory described by metes and bounds in Exhibit "A" which is attached hereto and incorporated herein for all purposes, being all of the residents and landowners of such territory, as shown by the tax rolls of Nueces County, Texas, and acting pursuant to the provisions of Section 11006.052, Special District Local Laws Code, respectfully petitions the Board of Directors of South Texas Water Authority that the territory described by metes and bounds in Exhibit "A" be added to and become a part of the established South Texas Water Authority, and in support of this petition would show as follows:

I.

Fee simple title and full ownership of the aforesaid territory, which lies wholly within Nueces County, Texas, is vested in Petitioner.

II.

The addition of said territory to South Texas Water Authority is feasible and practical, would be to the best interest both to the territory and to the Authority and would benefit said territory.

III.

The Authority will be able to supply water, or have water supplied, to the added territory.

IV.

This petition shall constitute an election on the part of the Petitioner, its successors and assigns, for the aforesaid land and any improvements which may be constructed thereon to become liable for all present and future debts of the Authority in the same manner and to the same extent as other lands and improvements in the Authority are liable for the Authority's debts.

V.

Petitioner hereby authorizes the Board of Directors of the Authority to levy taxes and set rates sufficient to pay their share of the aforementioned outstanding indebtedness.

WHEREFORE, Petitioner prays that this petition be properly filed, as provided by law; that the Board of Directors of South Texas Water Authority hear and consider the petition in keeping with the provisions of Section 11006.052, Special District Local Laws Code; and that this petition in all things be granted and that the territory described in Exhibit "A" be added to and become a part of the established South Texas Water Authority; that after this petition is granted the Board's order thereon be filed of record and be recorded in the Deed Records of Nueces County, Texas; and that the area described in Exhibit "A" be thereafter a component part of South Texas Water Authority.

[Signatures and Acknowledgement on following page.]

EXECUTED this 19th day of March, 2019.

Jose Ovidio Guzman, Jr.

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY of Nueces

Subscribed and sworn to before me Jose Ovidio Guzman, Jr. on this the 19th day of March, 2019.

MARIA MAGDALENA BEDIA
My Notary ID # 12161368
Expires November 30, 2020

NOTARY SEAL

Maria M. Bedia
Notary Public

My Commission Expires: 11/30/2020

Exhibit "A"

To

PETITION FOR ADDITION OF CERTAIN LANDS TO
THE SOUTH TEXAS WATER AUTHORITY

Property Description:

Tract Two (2), CYNDIE PARK UNIT 2, in Nueces County, Texas, being a tract of land containing 0.73 acres, more or less, out of a 29.59 acre Unit No. 2 out of 59.59 acre tract, out of 238.79 acres standing in the name of John S. McGregor and C.C. Speed by deed recorded in Volume 1840, Page 1017 of the Deed Records of Nueces County, Texas and all being out of the CASA BLANCA GRANT and being a part of Blocks Twenty-Four (24) and Twenty-Five (25) of the MANTOR, BRIGGS & KUYKENDALL SUBDIVISION of 5155.97 acres in Nueces County, Texas, according to map or plat recorded in Volume 2, Page 57 of the Map Records of Nueces County, Texas and being more particularly described by metes and bounds in a Warranty Deed from John S. McGregor and C. C. Speed to Jose Ovidio Guzman and wife, Isabel C. Guzman dated June 23th, 1987 and filed of record in Vol. 2102, pages 225-228, Deed Records, Nueces County, Texas.

NOTICE OF PUBLIC HEARING ON ANNEXATION

THE STATE OF TEXAS
SOUTH TEXAS WATER AUTHORITY

Pursuant to a Resolution adopted by the Board of Directors of South Texas Water Authority, a hearing shall be held at the South Texas Water Authority, 2302 East Sage Road, Kingsville, Texas, on April 23, 2019 at 5:30 p.m. with respect to the Petition filed by Jose Ovidio Guzman, Jr. for annexation of the territory described below, on the question of whether the territory sought to be annexed will be benefited by the improvements, works, and facilities then owned or operated or contemplated to be owned or operated by the Authority or by the other functions of the Authority. All interested persons may appear at such hearing and offer evidence for or against the proposed annexation.

Signed this the 26th day of March, 2019.

Kathleen Lowman, President
Board of Directors
South Texas Water Authority

That certain lot or tract of land situated in Nueces County, Texas, and more particularly described as follows:

Tract Two (2), CYNDIE PARK UNIT 2, in Nueces County, Texas, being a tract of land containing 0.73 acres, more or less, out of a 29.59 acre Unit No. 2 out of 59.59 acre tract, out of 238.79 acres standing in the name of John S. McGregor and C.C. Speed by deed recorded in Volume 1840, Page 1017 of the Deed Records of Nueces County, Texas and all being out of the CASA BLANCA GRANT and being a part of Blocks Twenty-Four (24) and Twenty-Five (25) of the MANTOR, BRIGGS & KUYKENDALL SUBDIVISION of 5155.97 acres in Nueces County, Texas according to map or plat recorded in Volume 2, page 57 of the Map Records of Nueces County, Texas and being more particularly described by metes and bounds in a Warranty Deed from John S. McGregor and C. C. Speed to Jose Ovidio Guzman and wife, Isabel C. Guzman dated June 23th, 1987 and filed of record in Vol. 2102, pages 225-228, Deed Records, Nueces County, Texas.