

**MINUTES OF A REGULAR MEETING  
OF THE BOARD OF DIRECTORS  
HORIZON REGIONAL M.U.D.**

A regular meeting of the Board of Directors of the Horizon Regional M.U.D. was held on Thursday May 27, 2021 at 6:00 p.m. by Teleconference via Zoom. 14100 Horizon Blvd, Horizon City, Texas, pursuant to notice given in accordance with the law.

The roll was called of the members of the board, to-wit:

Gordon, Jarvis	-	President
John Whitaker	-	Vice President
Dean Hulsey	-	Treasurer - absent
Mike Barton	-	Assistant Secretary
<i>vacant</i>	-	Secretary

Director Gordon Jarvis called the meeting to order at 6:00 p.m. A quorum was established. Also attending the meeting were the District's consultants: Inframark LLC - Michael Luft. Account Manager Charlie McGinnis, Customer Service Rep II Veronica Saucedo. District Attorney - Alan Petrov. TRE & Associates Inc. - Linda Troncoso, John Jansing, Adrian Briones, Tom Urrabazo. El Paso Disposal - Lorena Quezada, Scott Berry. Horizon Golf & Conference Center - Luis Delgadillo. Moonlight - Tulia Zepeda. HCIA – Roxanne Jurado. Pat Randleel, Kit Thomas. The Pledge of Allegiance was said with audience participation.

**4. RECEIVE CITIZEN COMMUNICATIONS.**

None

**5. CONSENT AGENDA.**

A: Consider and Take Action to approve the Minutes of Special Meeting held on March 31, 2021; and Regular Board Meeting held on April 22, 2021.

- B: Consider and Take Action to Approve the Payment of Bills and Invoices for Operations and Construction; and to Approve the Transfer of Funds.
- C: Consider and Take Action to Approve the Financial Statement for the Month Ending April 30, 2021.
- D: Consider and Take Action to Approve the Payment of Bills and Invoices for Operations and Construction for Spray Field; and to Approve the Transfer of Funds for Spray Field # 1.
- E: Consider and Take Action on Pay Estimate No. 5 for Paseo del Este Unit 5 Water, Wastewater and Drainage Improvements.
- F: Consider and Take Action on Pay Estimate No. 2 for Rancho Desierto Bello Unit 13 Phase II.
- G: Consider and Take action on Biglon and Duanesburg Force Main Emergency Replacement Pay Application No. 1.

Motion was made by Director Whitaker and seconded by Director Barton to approve the Consent Agenda.

After no opposition, motion was passed.

6. **DISCUSSION ON HORIZON VIEW ESTATES SEWER PROJECT:**

Ms. Troncoso reported that they had received about three comments returned on the environmental portion of the environmental clearance associated with the project but are still moving forward. Ms. Troncoso stated they expect over the next few months to get the clearances they need.

No Action Necessary.

7. **CONSIDER AND TAKE ACTION ON MANAGEMENT REPORT RELATING TO MANAGEMENT AND OPERATIONAL ACTIVITIES OF THE DISTRICT.**

Mr. McGinnis presented and discussed the Water System Report for April 2021.

**See attached report.**

Motion was made by Director Whitaker to approve the Management Report to include collections and write offs. Director Barton seconded motion.

After no opposition, motion was passed.

8. **CONSIDER AND TAKE ACTION ON ENGINEERING REPORT RELATING TO CONSTRUCTION AND ENGINEERING ACTIVITIES OF THE DISTRICT.**

Ms. Troncoso discussed current service commitment applications & construction activity.

Ms. Troncoso presented a summary of the Engineers Report.

**See attached report.**

Motion was made by Director Barton and seconded by Director Whitaker to approve the Engineering Report.

After no opposition, motion was passed.

9. **CONSIDER AND TAKE ACTION ON MANAGEMENT REPORT RELATING TO MANAGEMENT AND OPERATIONAL ACTIVITIES OF SPRAY FIELD NO 1.**

Mr. Delgadillo reported April was a very good month again stating that the greens got a

lot better in March and even better in April. Mr. Delgadillo reported a total revenue that was taken in was \$96,000 and the budget called for \$84,000 so they are about \$11,500 over budget. Mr. Delgadillo reported expenses are right in line and have not had any surprises, he stated they were \$15,000 ahead of budget, the budget called for \$15,000 so ended up making a little over \$30,000. Year to Date they are \$136,000 ahead of budget, which year to date they were supposed to be at -\$42,000 and instead are at +\$94,000. Mr. Delgadillo also stated that the month of May looked very promising, just about hitting their numbers with a few days left in the month. The golf course has had a lot of tournaments being very busy.

Director Barton made a motion to approve the Management and Operation report for Sprayfield No.1 and seconded by Director Whitaker.

After no opposition, motion was passed.

10. **CONSIDER AND TAKE ACTION ON, IF NECESSARY, RELATING TO THE LEASE WITH MOONLIGHT P&Q, LLC.**

Mrs. Tulia Zepeda reported April was a very good month. The restaurant sold \$96,000 almost \$97,000 compared to the same time the previous year which was only \$2,000 and comparing to 2019 difference was \$18,000. Mrs. Zepeda reported they had hired someone to drain the pool to get it repainted and hoped to have it open by the first weekend in June. Mrs. Zepeda stated she checked the numbers the restaurant is at right now as far as sales and they are already at \$105,000 with a few more days to go.

Director Barton made a motion to accept the Moonlight report and was seconded by Director Whitaker.

After no opposition motion passed.

11. **CONSIDER AND TAKE ACTION ON PROPOSAL FOR EVALUATION TO WELL #8.**

Ms. Linda Troncoso stated this proposal was presented to the Engineering Committee. Ms. Troncoso reported there had been sand pumping out of Well 8 and wanted to evaluate what the problem was before trying to fix blindly. They coordinated with Paul McNear with Santa Rosa Well Service to only perform the video, the evaluation and the recommendation of the repair. Mr. John Jansing added the Wells 8, 7, and 6 were drilled at the same time by the same driller and felt it would require an immense amount of scrutiny to see what is down in the well thus was the reason for the recommendation of Paul McNear with Santa Rosa Well Service for the job. Director Whitaker asked if the cost of the job was \$7,550.00. Mr. Jansing replied that it was.

Director Whitaker made a motion to approve \$7,550.00 cost for evaluation of well and was seconded by Director Barton. Director Barton expressed a little concern over Santa Rosa being the company for the work. Ms. Troncoso explained what they were only seeking from Mr. McNear was his guidance on a recommendation for the repair at which point the District could seek out proposals or a scope to find the person/crew to perform the work and also stated that Santa Rosa would not be doing the work. Director Jarvis then asked for an aye or nay vote since there was some discussion. Director Jarvis voted aye, Director Whitaker voted aye, Director Barton voted aye.

Voting was unanimous to move forward.

12. **CONSIDER AND TAKE ACTION ON PASEO DEL ESTE UNIT 5 WATER, WASTEWATER AND DRAINAGE IMPROVEMENTS CHANGE ORDER No. 1.**

Ms. Troncoso stated this was a change order for adds and deducts associated with some field changes to accommodate a future design section, this is in a future bond, defined area bond project where there would be a reimbursement to Hunt. Ms. Troncoso recommends approval. Director Whitaker asked if the amount was for \$25,601.95, Ms. Troncoso said yes.

Director Whitaker made a motion to approve the change order in the amount of

\$25,601.95 and was seconded by Director Barton.

After no opposition motion passed.

13. **CONSIDER AND TAKE ACTION ON RANCHO DESIERTO BELLO UNIT 13 PHASE I WATER AND WASTEWATER IMPROVEMENTS PAY ESTIMATE No. 5 (FINAL).**

Ms. Troncoso stated this was a final pay estimate for Rancho Desierto Bello Unit 13 for the amount of \$53,611.00. The project is complete, TRE performed a final walkthrough and all items have been addressed and she has their warranty paperwork and final documents on hand and recommends approval.

Director Whitaker made motion to approve the final pay estimate No. 5 in the amount of \$53,611.00 and was seconded by Director Barton.

After no opposition motion passed.

14. **CONSIDER AND TAKE ACTION IF NECESSARY, ON REQUEST BY DIG DEEP FOR COCHRAN PARK.**

Ms. Troncoso reported they would be distributing the Cochran Park plans to everyone including the county for their review and approval in the next week. They would then be working with Dig Deep for private solicitation on contractors and pricing. Ms. Troncoso stated the project was moving along and that Dig Deep representatives and Catherine Harrison, who is now leading the charge, were out in the district taking a tour and were pretty excited about the project.

No action necessary, discussion item.

15. **CONSIDER AND TAKE ACTION ON REQUEST BY HCIA FOR SCHOOLS AND PARK PROPERTY REQUEST.**

Ms. Troncoso stated they had been working with Inframark and stated that they had been working on a solar project that is looking for some property to be able to install some solar panels that could be used to offset some electrical costs. Ms. Troncoso said the key to that would be locations where there were already transmission or distribution lines where they can tie into the grid. Director Jarvis stated he had just heard of the solar ideas earlier in the day. He received a call from Ms. Kristi Hester and mentioned briefly the solar people wanted to speak to The Board. Ms. Troncoso said that there had been other ideas that had been discussed with the solar people that were presented to Inframark and the calls Ms. Troncoso had with them were to discuss how it might or might not work with the District's facilities and some of the initial ideas did not prove viable or applicable for the situation. Director Jarvis asked if Ms. Troncoso had a list she could put together of properties they know they are not interested in keeping and get them transferred back to HCIA. Director Jarvis asked Ms. Roxanne Jurado if that was ok with HCIA and Ms. Jurado stated yes that that would be fine and if the District needed anything else to let her know.

No action necessary.

16. **CONSIDER AND TAKE ACTION ON ACCEPTANCE OF WATER AND WASTEWATER IMPROVEMENTS FOR RANCHO DESIERTO BELLO UNIT 13-PHASE I FOR OPERATIONS AND MAINTENANCE.**

Director Jarvis stated they had accepted the last pay request and that Ms. Troncoso stated all paperwork was in order, so he would entertain a motion.

Director Whitaker made a motion to approve the acceptance of water and wastewater improvements for Rancho Desierto Bello Unit 13 Phase I and was seconded by Director Barton.

After no opposition motion passed.

17. **CONSIDER AND TAKE ACTION ON ACCEPTANCE OF WATER AND WASTEWATER IMPROVEMENTS FOR HORIZON TOWN CENTER UNIT TWO FOR OPERATIONS AND MAINTENANCE.**

Ms. Troncoso reported all improvements have been completed and inspections have been done, all the paperwork is in order and on hand and recommends acceptance.

Director Whitaker made a motion to approve the acceptance of water and wastewater improvements for Horizon Town Center Unit 2 for operations and maintenance and was seconded by Director Barton.

After no opposition motion passed.

18. **CONSIDER AND TAKE ACTION ON REIMBURSEMENT AGREEMENT FOR UNIT 49 PHASE III.**

Mr. Alan Petrov stated this was a normal reimbursement agreement for Mr. Clinton Schaar for about 12 lots he completed some extension work on. Mr. Jarvis added this agreement is per the Districts policy.

Director Whitaker made motion to approve the reimbursement agreement for Unit 49 Phase III and was seconded by Director Barton.

After no opposition motion passed.

19. **CONSIDER AND TAKE ACTION ON ACCEPTANCE OF OPERATIONS AND MAINTENANCE OF UNIT 49, 12 LOTS.**

Ms. Troncoso stated this was the same subdivision previously discussed for Mr. Clinton Schaar, she reported he had completed all the improvements and recommends approval.



Director Whitaker made a motion to approve the acceptance of operations and maintenance of the 12 lots and was seconded by Director Barton.

After no opposition motion passed.

20. **DISCUSSION OF TRASH SERVICE AGREEMENT.**

Director Jarvis stated there a short period of time before the trash service agreement was up and Ms. Lorena Quezada was to speak regarding this item. Ms. Quezada reported that the contract was going to be up July 1<sup>st</sup> 2021 and had met with the finance committee and discussed some of the terms and conditions for the contract and presented the contract and provided it to legal counsel to review and asked Mr. Alan Petrov if he wanted to address the contract. Mr. Petrov stated he had reviewed the contract and is pretty standard in terms of what is seen from residential trash service agreements and nothing out of the ordinary other than a minor change of a heading for one of the sections from “generally” to “termination” which is the section for termination for cause. Director Jarvis asked what the term was, Ms. Quezada stated it was a 10 year contract, to keep current rates and after 1 year the rates would increase by one dollar and after that it would be a CPI increase on the anniversary year. Director Jarvis stated he did not think the Board was ready to act on it yet and asked Mr. Petrov if he was working on it and if he would be sending to Board Members to review. Mr. Petrov replied that the contract was in the packets and is ok with Board Members if they wanted to approve item. Director Jarvis wants to make sure Board Members have a chance to review. Director Whitaker stated he did review contract and thinks it is fair and believes El Paso Disposal has been doing a good job. Director Barton asked if there was any word on the Town Homes and Ms. Quezada stated no one had reached out to her. Director Barton stated the contract looked good and fair.

Discussion item turned into an action item. Motion was made by Director Whitaker to approve the trash service agreement with El Paso Disposal and was seconded by Director Barton.

After no opposition motion passed.

21. **CONSIDER AND TAKE ACTION TO AMEND THE DISTRICT'S INFORMATION FORM.**

Mr. Alan Petrov stated this is a required document, the District Information Form, is required by statute to have on file with the County and with TCEQ. Primarily the update has to do with the recent bond election. The form includes the amount of bonds that the District is authorized to sell. Mr. Petrov requests to approve.

Director Whitaker made a motion to approve the Amendment of The District's information form and was seconded by Director Barton.

After no opposition motion passed.

22. **ELECTION AGENDA.**

- 1. DELIVER CERTIFICATE OF ELECTION**
- 2. QUALIFICATION OF DIRECTOR**
- 3. ADMINISTRATION OF OATH OF OFFICE**
- 4. ELECT OFFICERS**

**ORDEN DEL DIA REFERENTE A LA ELECTION**

- 1. ENTRGAR CERTIFICADO DE ELECCION**
- 2. ANALISIS DE LOS REQUISITES DE LOS DIRECTORES**
- 3. TOMAR JURAMENTO PARA LA ASUNCION DEL CARGO**
- 4. ELEGIR FUNCIONARIOS**

Mr. Alan Petrov explained the process to Director Jarvis for having won the election and officially swore in Director Jarvis. Mr. Petrov stated that after every election the next step is to elect officers and are able to do at this time or at next meeting. Director Jarvis requested to defer to the next meeting and Directors Whitaker and Barton both agreed.

Item to elect officers was tabled to next Regular Board Meeting.

23. **CONSIDER AND TAKE ACTION ON PAYMENT AUTHORIZATION FOR INJECTION WELL FOR ENGINEERING COMMITTEE TO APPROVE INVOICES.**

Director Jarvis stated the drillers like to be paid rapidly and is a rapid moving process and is often times difficult for them to wait until the next regular monthly meeting, so Director Jarvis requested the Engineering Committee have the approval to go ahead and approve invoices as they come in with ratification at the next regular meeting.

Director Whitaker made a motion to authorize the Engineering Committee along with the recommendation by the engineers to approve invoices and make a payment to the drillers on this specific project and was seconded by Director Barton.

After no opposition motion passed.

24. **CONSIDER AND TAKE ACTION ON PAY ESTIMATE No. 11 AND No. 12 FINAL FOR SUMMER SKY SUBDIVISION WATER, WASTEWATER AND FORCE MAIN IMPROVEMENTS.**

Ms Troncoso requested items 24 and 25 be tabled.

Director Jarvis tabled items.

25. **CONSIDER AND TAKE ACTION ON RECOMMENDATION FOR ACCEPTANCE FOR OPERATIONS AND MAINTENANCE FOR SUMMER SKY SUBDIVISION WATER, WASTEWATER AND FORCE MAIN IMPROVEMENTS.**

Item was tabled.

26. **CONSIDER AND TAKE ACTION ON APPROVAL OF 2020 DRINKING WATER QUALITY REPORT (CCR).**

Mr. McGinnis stated the District needs to provide this report by state law to all the consumers but needs the approval of the Board. This report informs the customers the quality of the water and that everything is in compliance.

Director Whitaker made a motion to approve the 2020 Drinking Water Quality Report (CCR) and was seconded by Director Barton.

After no opposition motion passed.

27. **EXECUTIVE SESSION, AS NECESSARY.**

Mr. Alan Petrov did not have any items.

No Action Necessary.


28. **REPORTS AND DISCUSSION OF OTHER MATTERS THAT MAY COME BEFORE THE BOARD.**


Director Jarvis began regarding the discussion that was had with Mr. Bill Blich on the refinancing of some bonds that were recently given. Mr. Blich was given the approval to move forward with the base savings to the District of 1.5 million dollars. Mr. Blich was able to do his job and provided signed paperwork to Director Jarvis with a savings of 2.73 million dollars to the District. Mr. Alan Petrov added that the industry standard is that it is worth doing a refunding if you can save 3% on the debt service. The District saved over 18%.

Director Barton asked when the Regular Board Meetings will begin to be held at the office again. Mr. Petrov replied that right now it is the Boards prerogative if and when they would like to go back to in person meetings. Director Jarvis suggested to go back to in person meetings for the Regular Board Meetings and have the other meetings via zoom as have been. Director Whitaker also asked when the office would be opening. Director Jarvis stated he would like to open back up with a month or two. Director Barton suggested to have one more regular meeting via zoom for June and shoot for July to reopen the office. Director Jarvis asked Mr. McGinnis to add an item to next regular meeting.

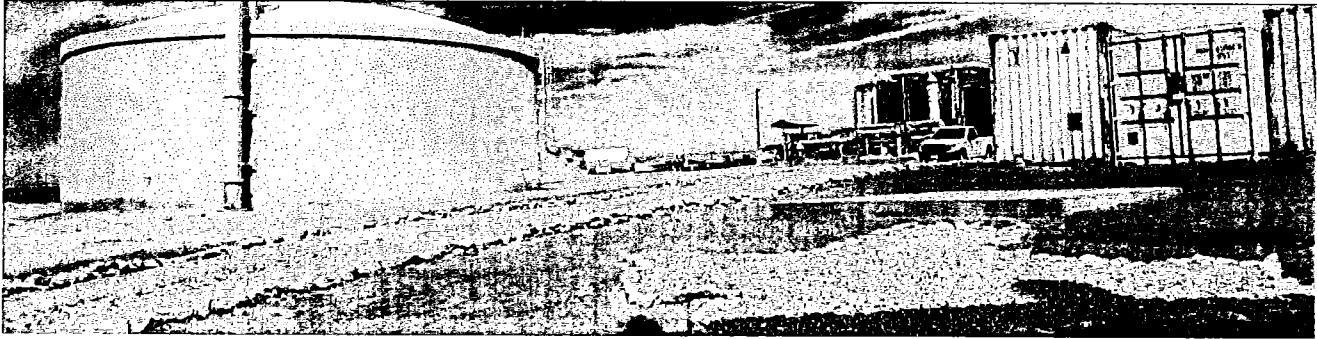
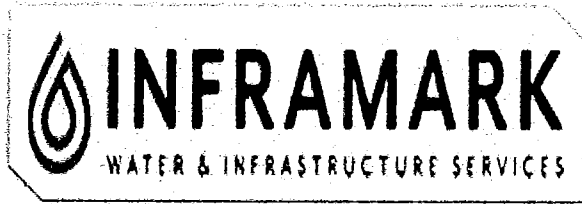
There being no further business before the Board, the meeting was upon motion made by Director Whitaker and seconded by Director Barton all in favor and carried, adjourned at 7:34 p.m.

**READ, APPROVED AND ADOPTED THIS 22<sup>ND</sup> DAY OF JUNE 2021.**

  
\_\_\_\_\_  
**GORDON JARVIS, PRESIDENT**  
Board of Directors  
Horizon Regional M.U.D.

  
\_\_\_\_\_  
**MIKE BARTON, ASSISTANT SECRETARY**  
Board of Directors  
Horizon Regional M.U.D.

CM/VS



Horizon Regional MUD  
General Manager Reports for the month of  
April 2021  
Board Meeting Date:  
May 27, 2021

Reviewed By: Carlos McGinnis  
Date: 05-27-2021



Inframark LLC  
14100 Horizon Blvd, Horizon  
City, TX 79928  
United States  
[www.inframark.com](http://www.inframark.com)

### Current Items Requiring Board Approval

Vendor	Amount	WO#	Budget Amount	Description

Date: 05/27/2021

Memorandum for: Board of Director's Horizon Regional MUI

From:

Subject: General Manager's Executive Summary Report

Below is a summary of activities since the last board meeting:

**1) Wastewater Treatment Plant**

- a) Influent Lift Station has been repaired and is back in service
- b)
- c)

**2) Distribution System – Billing**

- a) Replaced 100 residential meters
- b) Repaired 23 streets and 4 meter leaks

**3) Collection System**

- a) Bain Construction is getting ready to Bore across Horizon Blvd for Force Main Project.

**4) Ponds**

- a) Atomizers are all running. E3 is going to stop and check on units.

**5) Construction**

- a) New Drilling company is going to start in June.

**6) Customer Care**

- a) Assisted 8 Customers

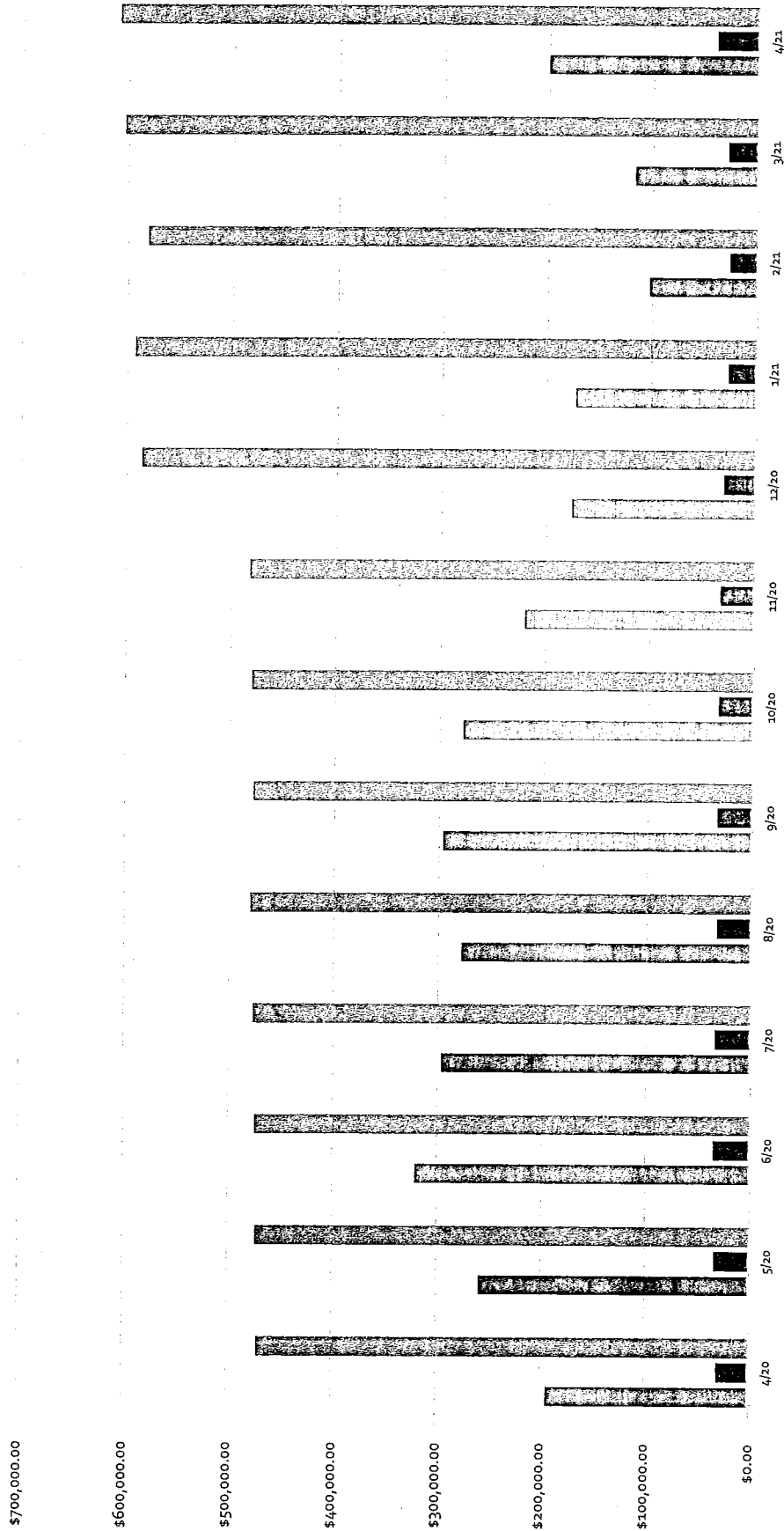




## Billing Summary

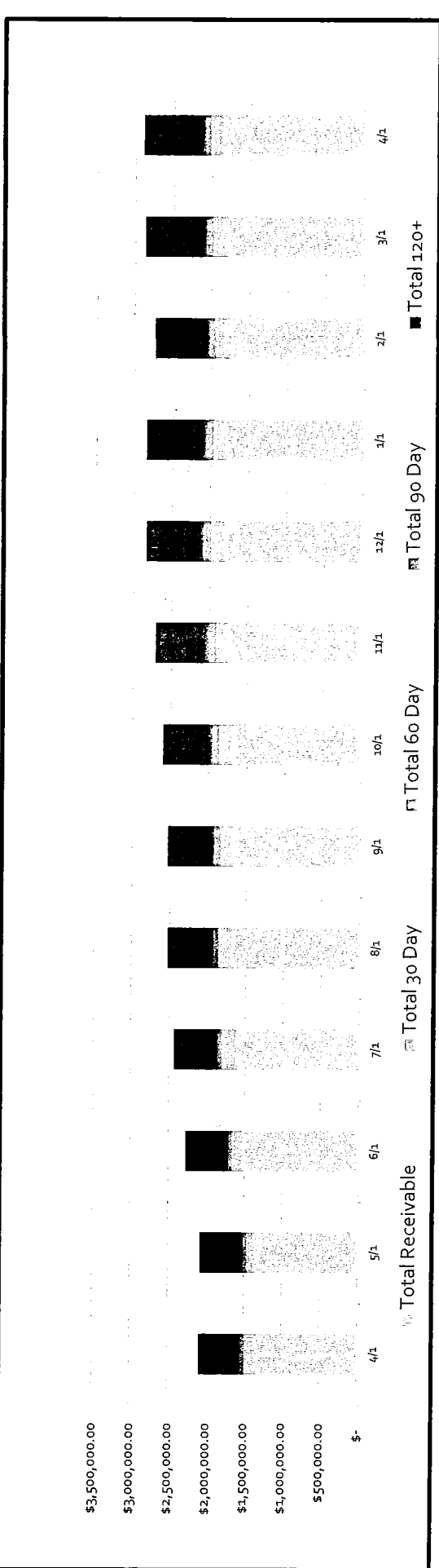
Description	Connections	
	Apr-20	Apr-21
Residential	11,173	11,589
Commercial	243	243
Irrigation	53	53
School	20	20
Municipal	15	16
Church	12	11
Bulk Meter	34	26
<b>Total Number of Accounts Billed</b>	<b>11,550</b>	<b>11,958</b>
	<b>Consumption</b>	
Residential	86,279,900	88,372,200
Commercial	4,884,500	5,856,000
Irrigation	3,176,400	3,428,300
School	391,400	832,800
Municipal	783,300	415,000
Church	13,900	100,200
Bulk Meter	3,578,900	2,865,300
<b>Total Gallons Consumed</b>	<b>99,108,300</b>	<b>101,869,800</b>
	<b>Average Consumption</b>	
Residential	7,722	7,626
Commercial	20,101	24,099
Irrigation	59,932	64,685
School	19,570	41,640
Municipal	52,220	25,938
Church	1,158	9,109.09
Bulk Meter	105,262	110,204
<b>Avg Water Use for Accounts Billed</b>	<b>8,581</b>	<b>8,519</b>
Total Billed	\$ 652,632	\$ 851,901
Total Aged Receivables	\$ 684,604	\$ 987,071
Total Receivables	\$ 1,337,236	\$ 1,838,972

# 12 Billing Month History Revenue by Category



Water Revenue
  Wastewater Revenue
  Base Revenue

# 12 Month Accounts Receivable and Collections Report



Date	Total Receivable	Total 30 Day	Total 60 Day	Total 90 Day	Total 120+
Apr-20	\$ 1,320,247.18	\$ 157,918.43	\$ 62,536.62	\$ 16,132.97	\$ 527,767.78
May-20	\$ 1,337,236.75	\$ 115,769.18	\$ 57,143.25	\$ 29,287.25	\$ 535,095.96
Jun-20	\$ 1,488,042.85	\$ 161,666.90	\$ 51,852.97	\$ 26,881.26	\$ 547,222.85
Jul-20	\$ 1,583,837.79	\$ 205,305.34	\$ 59,602.81	\$ 28,489.38	\$ 556,565.69
Aug-20	\$ 1,654,021.42	\$ 192,624.45	\$ 76,918.05	\$ 30,574.26	\$ 570,116.90
Sep-20	\$ 1,640,863.30	\$ 191,779.18	\$ 82,668.00	\$ 42,641.43	\$ 575,925.87
Oct-20	\$ 1,650,141.76	\$ 203,947.29	\$ 98,625.44	\$ 49,350.20	\$ 589,167.07
Nov-20	\$ 1,729,935.25	\$ 175,058.62	\$ 106,151.43	\$ 69,194.84	\$ 629,952.91
Dec-20	\$ 1,770,411.56	\$ 207,832.94	\$ 108,237.68	\$ 71,753.10	\$ 681,133.00
Jan-21	\$ 1,786,862.11	\$ 172,835.92	\$ 101,402.21	\$ 60,325.89	\$ 726,213.52
Feb-21	\$ 1,722,490.80	\$ 214,525.76	\$ 82,699.56	\$ 53,867.48	\$ 665,301.95
Mar-21	\$ 1,766,831.02	\$ 207,653.81	\$ 91,445.80	\$ 55,281.36	\$ 751,717.92
Apr-21	\$ 1,838,972.28	\$ 171,883.21	\$ 75,000.39	\$ 49,451.85	\$ 759,714.51

Board Consideration to Write Off  
Board Consideration Collections

Delinquent Letter Mailed 1466  
Delinquent Tags Hung N/A  
Disconnects for Non Payment N/A



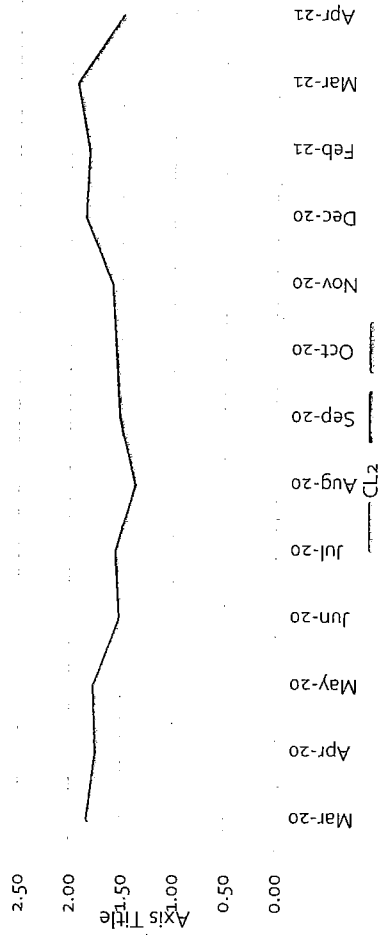
# Water Production and Quality

## Water Quality Monitoring

Current Annual CL2 Avg

Requirements	Min .02	CL2
Date		
Mar-20	1.81	
Apr-20	1.73	
May-20	1.75	
Jun-20	1.50	
Jul-20	1.54	
Aug-20	1.35	
Sep-20	1.50	
Oct-20	1.54	
Nov-20	1.58	
Dec-20	1.84	
Feb-21	1.81	
Mar-21	1.93	
Apr-21	1.49	

CL2 - Free

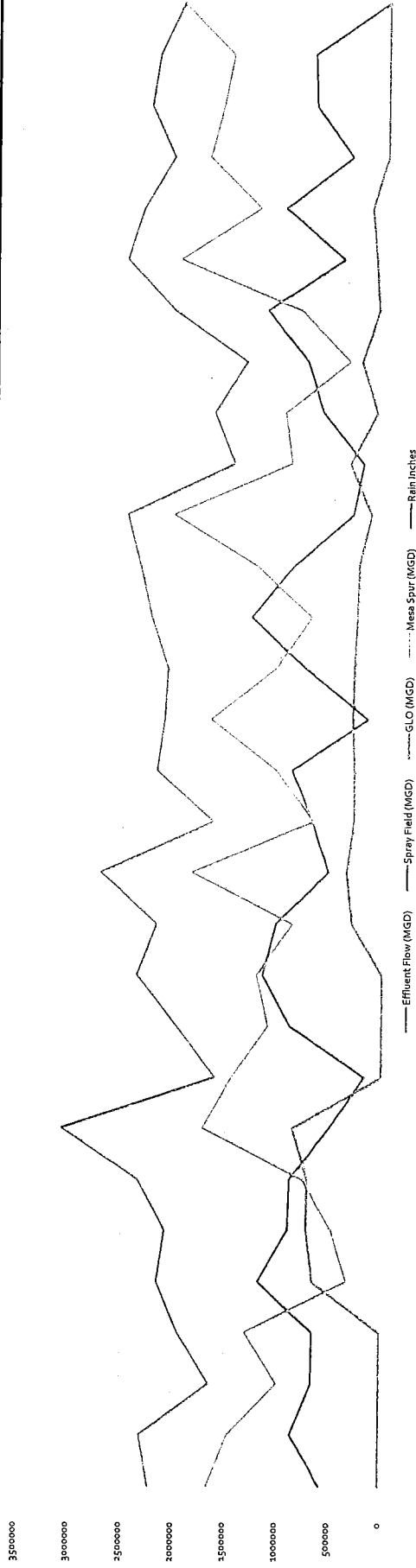


Month	Meeting Date	Connection Total	Pumped Water	Sold (1000)	Flushing/District	Gal.s Loss (-)	Water loss %
March 20	4/23/2020	11446	168,132	67,664	39,804	13,137	7.1%
April 20	5/28/2020	11440	189,459	63,640	34,800	25,103	13.1%
May 20	6/25/2020	11459	222,173	66,681	44,800	23,487	10.6%
June 20	7/23/2020	11505	221,876	94,589	45,500	32,732	9.5%
July 20	8/27/2020	11473	224,872	118,203	47,100	29,486	14.9%
August 20	9/24/2020	11568	222,230	123,920	45,000	25,130	12.4%
September 20	10/22/2020	11644	192,769	120,141	55,210	23,943	14.7%
October 20	11/19/2020	11635	188,270	124,854	50,010	18,393	13.3%
November 20	12/17/2020	11723	173,568	94,483	35,000	24,174	10.6%
December 20	1/28/2021	11724	168,294	78,265	50,010	20,283	14.4%
February 21	2/25/2021	11825	162,714	70,544	45,050	20,283	12.5%
March 21	3/25/2021	11863	160,099	72,542	45,000	15,598	9.7%
April 21	4/25/2021	11958	198,067	102,131	35,000	21,815	12.5%



Wastewater Production and Quality

Wastewater Flows for the Month of April 2021



### Wastewater Treatment Permit Summary - Month of April 2021

	DISCHARGE	Eff.	ACTUAL	COMPLIANT	PERCENT
Avg. Treated Flow	MGD	3	2.105	Yes	70.2%
Avg. Sprayfield Flow	MGD	3	0.685	Yes	22.8%
Avg. GLO Flow	MGD	3	0.212	Yes	7.1%
Avg. Mesa Spur Flow	MGD	3	1.207	Yes	40.2%
Avg. Other Flow			0.001	N/A	
Avg. cBOD	mg/L	10	3.2	Yes	
Avg. TSS	mg/L	15	14.7	Yes	
Avg. Ammonia Nitrogen NH3	mg/L	3	0.9	Yes	
Avg DO	mg/L	7-77	0.2	Yes	
E. coli Bacteria	CFU	1	6.18	Yes	
MIN. PH	STD UNITS	6.0	6.51	Yes	
MAX. PH	STD UNITS	9.0	7.14	Yes	

only applies if discharge

**MONTHLY LEAK REPORT MONTHLY LEAK REPORT Apr-21**

<b>ADDRESS</b>	<b>Date</b>	<b>Street Leak</b>	<b>Meter Leak</b>	<b>Repaired</b>
372 Via Cubre	4/1/2021	YES		YES
13223 Berkeley	4/8/2021	YES		YES
14032 Horizon Blvd	4/12/2021	YES		YES
209 Tierra Linda	4/12/2021		YES	YES
1580 Kenazo	4/13/2021		YES	YES
1641 Exeter	4/13/2021	YES		YES
14253 Thyar Peace	4/14/2021	YES		YES
14249 Thyar Peace	4/14/2021	YES		YES
14741 Canyon Breeze	4/15/2021	YES		YES
3706 Paisley	4/17/2021	YES		YES
424 Ghost Flowers	4/17/2021	YES		YES
13716 Pasolegre	4/19/2021	YES		YES
1641 Exeter	4/19/2021	YES		YES
549 Cascada	4/20/2021		YES	YES
712 Plazer	4/20/2021	YES		YES
736 Aguaclare	4/21/2021	YES		YES
14705 Norcross	4/21/2021	YES		YES
549 Cascada	4/22/2021	YES		YES
14729 Desert Breeze	4/22/2021	YES		YES
804 Paseo Alto	4/23/2021		YES	YES
13712 Paseo Alegre	4/23/2021	YES		YES
13717 Paseo Alegre	4/26/2021	YES		YES
14360 Desert Sunset	4/27/2021	YES		YES
14359 Desert Bonito	4/27/2021	YES		YES
14524 Hendrik	4/28/2021	YES		YES
14469 Desert Sage	4/29/2021	YES		YES
14708 Mountain Breeze	4/29/2021	YES		YES

<b>Meter Leaks</b>	<b>4</b>
<b>Street Leaks</b>	<b>23</b>
<b>Total Leaks</b>	<b>27</b>



**Date: May 24, 2021**

**Re: Operations Report for April 2021**

### **Lift Stations**

Barrel Cactus Lift Station	Fully operational.
Benton Lift Station	Fully operational
Biglon Lift Station	Fully operational
Duanesburg Lift Station	Running on 1 pump
Ellsworth Lift Station	Fully operational
El Paso Hills Lift Station	Fully operational.
El Paso Hills Relay Station	Fully operational
El Paso Hills Lift Station #	Fully operational
Horizon Lift Station	Fully operational
Kenazo Lift Station	Fully operational
Notre Dame List Station	Fully operational
Manor 9 Lift Station	Fully operational
Section 32 Lift Station	Fully operational
Veny Webb Lift Station	Fully operational
Woodale Lift Station	Fully operational

### **Tanks**

<u>GST 1</u>	Online as reserve storage for the distribution system.
<u>GST 2</u>	Online with the distribution system.
<u>GST 3</u>	Online with the distribution system.
<u>GST 4</u>	Online with the distribution system.
<u>GST 5</u>	Online with the distribution system.
<u>RWT #1</u>	Online and feeding the RO plant.
<u>EST 1</u>	Online with the distribution system.
<u>EST 2</u>	Online with the distribution system.
<u>EST 3</u>	Online with the distribution system.
<u>EST 4</u>	Online with the distribution system.

### **Wastewater Treatment Plant**

- 4 blowers are up and running
- 3 of the 6 are scheduled for service next month by JCH.
- Hauled out 24 loads of sludge



## WELLS

Well 5 being pulled today. Broken shaft or coupling will know findings this afternoon.

Well 7 is back online pumping 850gpm

Well 3 is back online.

Pump Station 3  
Operational

R.O. Feed Station Operational

Pump Station 4  
Operational.

## RO Plant

All RO Trains are up and running. Concentrators are up and running.

## RO Ponds

Atomizers up and running but have been experiencing some of the units to trip 5-6.  
Rep will be out before the end of month. Power filter has not been delivered. Power Filter is coming out of Sweden.

## General

David Munoz Operations Manager

Inframark



Engineering Solutions

**MEMORANDUM**

**Via E-Mail**

**TO:** Horizon Regional Municipal Utility District  
Board of Directors

**FROM:** Linda Troncoso, P.E.

**DATE:** May 27, 2021

**SUBJECT:** May 27, 2021 Board Meeting  
Engineer's Report  
TRE Job No.: 1277-7388-54

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The following is a brief summary of the major activities that TRE & Associates, LLC. (TRE) has been involved in since the District's last regular Board meeting.

**Service Commitments Currently Under Review**

See attached summary.

**Plans Under Review**

See attached summary.

**Projects Under Construction**

See attached summary.

**Horizon City Roadway Projects**

TRE is continuing to coordinate with the Town of Horizon on future roadway widening and rehabilitation projects. Regular meetings are now being held to discuss upcoming projects including the potential TIRZ and the improvements on both Darrington and Pawling/Oxbow.

**County Roadway Projects**

Coordination with the County and the Camino Real Regional Mobility Authority is ongoing for upcoming projects.

**Elevated Storage Tanks and Water Model Update**

TRE has addressed all comments from Inframark and the Town of Horizon and are only pending TxDOT approval of the plans for the 1.5 MG tank on Breaux. Plans and specifications have been approved by the TCEQ and permits and approval by the Town of Horizon are only pending TxDOT approval.

### **Two Water Wells for RO Supply**

Both wells have been drilled and flushed. The pumps have been delivered and TRE is coordinating with the contractor for site modifications and with EPEC and the adjacent property owner for installation of power to the well sites.

### **4.2 MGD RO Plant Expansion and Permit Amendment**

The design survey is complete and the components for the new RO plant will be designed in conjunction with the evaluation for RO concentrate disposal. The General Permit for the RO Plant is anticipated to be approved by the TCEQ in the coming days.

### **RO Concentrate Disposal Management**

The additional drilling of the pilot well is anticipated to begin on June 21, 2021. The drillers are preparing the casing for installation beginning next week.

The existing E3 MegaMist system is operational. Representatives are onsite today to replace motors that have failed and will begin replacement of the atomizers with updated sealed atomizers.

### **Wastewater Treatment Plant Expansion Design and Major Permit Amendment**

TRE has initiated the design and is working with Inframark regarding specification, design, and integration of necessary components. The design survey is complete. The new wastewater treatment plant permit was issued on September 3, 2020.

### **Wheeler Well Nos. 3 and 7 Rehabilitation**

The rehabilitation of both wells is complete and both wells are back online with the system now.

### **Wheeler Well No. 8 Rehabilitation**

This well is on the agenda for evaluation to identify the cause and necessary repairs to address excess sand production.

### **Duanesburg Force Main Emergency Repair**

Bain Construction has installed and backfilled force main on Pawling, Duanesburg, and McMahon, and is preparing to bore under Horizon Boulevard with two separate crews on site. Pay Estimate No. 1 is on the agenda for approval at this meeting.

TRE & Associates, LLC

HRMUD Engineering Report  
May 27, 2021  
Page 3 of 3

**Duanesburg Lift Station Rehabilitation**

TRE is coordinating with Inframark to identify funding available from existing bond funds to rehabilitate the existing lift station which needs replacement of pumps, pump bases, rails, controls, and piping.

Linda Troncoso will be at the May BOD meeting to address any questions or comments you may have regarding these and any other items.

Attachment

cc: Mr. Charlie McGinnis, General Manager; HRMUD  
Mr. John M. Jansing, Jr., P.E.; TRE & Associates, LLC  
Mr. Adrian H. Rosas, P.E.; TRE & Associates, LLC

**TRE & ASSOCIATES, LLC (revised 5/21/21)**  
**COMMITMENT APPLICATIONS**

<b>Job #</b>	<b>Job Title</b>	<b>Date Received</b>	<b>Additional Info Request</b>	<b>Commitment Letter Released</b>	<b>Committed LUE's WW</b>	<b>Committed LUE's Wtr</b>	<b>Comments</b>
1277-12035	283 S. Darrington	4/7/2021			1	1	under review
1277-12051	Polar Services Center	4/15/2021					under review
1277-12059	HC Unit 91 Blk 791-792	4/15/2021			0	11	under review

**TRE & ASSOCIATES, LLC (revised 5/21/21)**  
**HR - CONSTRUCTION REVIEW**

<b>Job #</b>	<b>Job Title</b>	<b>Commitment Letter Released</b>	<b>Plans Received</b>	<b>Plan Comments Sent</b>	<b>Plan Approval</b>	<b>Comments</b>
1277-11727	Horizon City Unit 64- 5 lots	5/23/2019				awaiting plan submittal
1277-11838	Horizon City Unit 91 - 22 lots	1/17/2020	12/16/2019	2/14/2020- 1st set 7/24/20 - 2nd set		awaiting revised plans
1277-11850	13300 Horizon Boulevard	2/20/2020	4/30/2020	6/3/2020		awaiting revised plans
1277-12011	Horizon Mesa Self Storage	2/17/2021	2/15/2021			under review
1277-12020	Corcoran Park Restroom	4/6/2021	3/11/2021	4/6/21 - 1st set 4/23/21 - 2nd set		awaiting revised plans

**TRE & ASSOCIATES, LLC (revised 5/21/21)**  
**CONSTRUCTION OBSERVATION**

<b>Job #</b>	<b>Job Title</b>	<b>Plan Approval</b>	<b>Construction Start Date</b>	<b>Comments</b>
1277-11741	Summer Sky Unit 1	5/9/2019	7/3/2019	under construction
1277-11752	Horizon Town Center Unit 2	6/11/2019	7/24/2019	awaiting acceptance
1277-11826	Paseo del Este Unit 5	12/6/2019	11/24/2020	under construction
1277-11793	IDEA School	1/14/2020	2/24/2020	under construction
1277-11863	Rancho Desierto Bello - Unit 13 Phase 1	5/1/2020	9/1/2020	awaiting acceptance
1277-11896	Rancho Desierto Bello Unit 13 Phase II	4/22/2020	2/16/2021	under construction
1277-11903	Summer Sky Unit 2	9/16/2020		Awaiting Construction Start
1277-11918	Speedway - 13891 Horizon Blvd	9/28/2020	12/2/2021	complete
1277-11936	Horizon City Unit 49 - 12 lots	9/2/2020	9/19/2020	awaiting acceptance
1277-11864	West Eastlake Estates Unit Two	3/5/2020		Awaiting Construction Start
1277-11973	Starbuck's	2/17/2021	2/26/2021	under construction



**TRE & ASSOCIATES, LLC (revised 5/21/21)**  
**HR - APPROVED UTILITY SERVICE COMMITMENTS**

Job #	Job Title	Commitment Letter Released	Committed LUE's WW	Committed LUE's Wtr	Plan Approval	Comments
1277-11741	Summer Sky Unit 1	4/23/2019	374	374	5/9/2019	under construction
1277-11727	Horizon City Unit 64- 5 lots	5/2/2019	5	5		awaiting plan submittal
1277-11752	Horizon Town Center Unit 3	5/15/2019	0	0	6/11/2019	under construction
1277-11826	Paseo del Este Unit 5	12/4/2019	215	215	12/6/2019	under construction
1277-11793	IDEA School	11/8/2019	78	78	1/14/2020	under construction
1277-11838	Horizon City Unit 91 - 22 lots	1/17/2020	0	22		awaiting revised plans
1277-11850	13300 Horizon Boulevard	2/20/2020	64	64		awaiting revised plans
1277-11863	Rancho Desierto Bello - Unit 13 Phase 1	2/20/2020	79	79	5/1/2020	awaiting acceptance
1277-11864	West Eastlake Estates Unit Two	2/24/2020	118	118	3/5/2020	under construction
1277-11896	Rancho Desierto Bello Unit 13 Phase II	5/20/2020	82	82	4/22/2020	under construction
1277-11903	Summer Sky Unit 2	5/20/2020	215	215	9/16/2020	awaiting construction start
1277-11918	Speedway - 13891 Horizon Blvd	7/15/2020	10	10	9/28/2020	complete
1277-11936	Horizon City Unit 49 - 12 lots	8/24/2020	12	12	9/2/2020	awaiting acceptance
1277-11973	Starbucks 13895 - Horizon Blvd	12/3/2020	12	12	2/17/2021	under construction
1277-12011	Horizon Mesa Self Storage	2/17/2020	3	3		under review
1277-12020	Corcoran Park Restroom	3/5/2021	1	1		under review

**TOTAL OUTSTANDING COMMITMENTS**

1268

1290