

**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 December 16, 2021, at 5:00 p.m. in person. 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 |
| Dean Hulsey (<i>absent</i>) | - | Vice President |
| Florence Thomas | - | Treasurer |
| Mike Barton | - | Secretary |
| <i>vacant</i> | - | Assistant Secretary |

Director Gordon Jarvis called the meeting to order at 5:00 p.m. A quorum was established. Also attending the meeting were the district's consultants: Account Manager - Charlie McGinnis, Administrative Assistant III - Veronica Saucedo. District Attorney - Alan Petrov. TRE & Associates Inc. - Linda Troncoso, Tom Urrabazo, Frank Ortiz, Ricardo Felix. El Paso Disposal - Lorena Quezada. 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 Regular Meeting held on November 18, 2021.

B: Approve Corrections to the July 22, 2021, August 26, 2021, September 23, 2021, and October 28, 2021, minutes.

- C: Consider and Take Action to Approve the Payment of Bills and the Invoices for Operations and Construction; and to Approve the Transfer of Funds.
- D: Consider and Take Action to Approve the Financial Statement for the Month Ending November 30, 2021.
- E: 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.
- F: Consider and Take Action on Agreement Regarding Water for the Summer Sky Subdivision Phase II.
- G: Consider and Take Action on Agreement Regarding Wastewater Services for the Summer Sky Subdivision Phase II.

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

All in favor: 3 ayes.
Opposed: 0 none

Motion passed to approve.

6. DISCUSSION ON HORIZON VIEW ESTATES SEWER PROJECT.

Discussion item only. Ms. Troncoso reported they are still waiting for the environmental review and approvals to be able to move forward with the design. The Texas Water Development Board indicated they are backed up and Ms. Troncoso is hoping to receive the approvals by the end of January.

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 November 2021.

See attached report.

Director Thomas made a motion to approve the Management Report relating to Management and Operational activities of the district to include collections and write offs. This was seconded by Director Barton.

All in favor: 3 ayes.
Opposed: 0 none

Motion passed to approve.

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

Mrs. Linda Troncoso discussed and presented current service commitment applications and construction activity, then presented a summary of the Engineers Report.

See attached report.

Director Barton made a motion to approve the Engineering Report relating to construction and engineering activities and was seconded by Director Thomas.

All in favor: 3 ayes.
Opposed: 0 none

Motion passed to approve.

9. **CONSIDER AND TAKE ACTION ON RECOMMENDATION FOR ACCEPTANCE FOR OPERATIONS AND MAINTENANCE OF HORIZON COUNTRY CLUB ESTATES PHASE II.**

Ms. Troncoso reported all the improvements have been installed according to the plans and specifications, they have their final paperwork and is recommending acceptance. Director Jarvis added it was the recommendation of the engineering committee to approve the acceptance.

Director Thomas made a motion to accept the operations and maintenance of Horizon City Country Club Estates Phase II and was seconded by Director Barton.

All in favor: 3 ayes.
Opposed: 0 none

Motion passed to approve.

10. **CONSIDER AND TAKE ACTION ON CHANGE ORDER No. 2 FOR HRMUD WATER SUPPLY WELLS #10 AND 11.**

Ms. Troncoso explained this was change order number two that includes additional work related to extra depth excavation to get to existing water line and do tie in at well 10 and a lump sum to do some cores in the rock wall around well 10 to allow some drainage to leave the site. Director Jarvis added this was another item discussed in the Engineering Committee Meeting that they would recommend approval.

Director Thomas made a motion to accept change order No. 2 for HRMUD water supply wells # 10 and 11 and was seconded by Director Barton.

All in favor: 3 ayes.
Opposed: 0 none

Motion passed to approve.

11. **CONSIDER AND TAKE ACTION ON WWTP DIGESTER REPAIRS AND MODIFICATIONS.**

Ms. Troncoso presented the Board with the two bids that were received from RM Wright and Smithco. RM Wright bid \$820,000.00 for one digester and with add alternate a total of \$1,660,000.00 and Smithco bid \$1,050,000.00 for one digester and with add alternate a total of \$2,000,000.00. Ms Troncoso recommends awarding the bid to RM Wright Construction.

Director Thomas made a motion to approve RM Wright \$1,660,000.00 for the repairs of digesters and was seconded by Director Barton.

All in favor: 3 ayes.

Opposed: 0 none

Motion passed to approve.

12. **CONSIDER AND TAKE ACTION ON APPROVAL FOR FINAL PAY ESTIMATE FOR E3 SYSTEM.**

Ms. Troncoso requested item be tabled.

Item tabled no action necessary.

13. **CONSIDER AND TAKE ACTION ON RECOMMENDATION FOR ACCEPTANCE FOR OPERATIONS AND MAINTENANCE OF E3 SYSTEM ON NORTH POND.**

Ms. Troncoso requested item be tabled.

Item tabled no action necessary.

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

Ms. Luis Delgadillo reported the numbers for November were favorable. They beat budget by \$17,000 but was really by \$7,000 since \$10,000 was for the sale of used mower. Mr. Delgadillo reported they did about \$99,000 worth of revenue and all expenses were in line. They had to spend quite a bit on fertilizer to kick start the fairways and rye grass but is paying off. Mr. Delgadillo stated the golf course is the best he's seen it for this time of the year. On the financial side the golf course made a profit of \$29,000 and were \$15,000 ahead of budget. Director Barton asked if there was any news on the bobcat they were looking to buy. Mr. McGinnis replied they were looking for another one because the one they had seen did not have the hand controls they were looking for.

Director Barton made a motion to approve the report for Spray Field operations and was seconded by Director Thomas.

All in favor: 3 ayes.

Opposed: 0 none

Motion passed to approve.

15. **CONSIDERATION AND TAKE ACTION ON, IF NECESSARY, RELATING TO THE LEASE WITH MOONLIGH P&Q, LLC.**

Ms. Tulia Zepeda was not present & Director Barton reported nothing has changed and nothing to report.

No action necessary.

16. **CONSIDERATION AND TAKE ACTION TO APPROVE ORDER EXCLUDING LAND AND REDEFINING THE BOUNDARIES OF THE DISTRICT FOR DONOVAN RIVERA (5 ACRES).**

Mr. Alan Petrov explained this was one of the property exclusions the district has had over the years (Pellicano area) and PSP is willing to service it only if they are released from the district. He stated the law requires to release them if the district is not able to serve them and they have been in the district several years, paying taxes and haven't received service. They are still obligated to pay their share of the outstanding bonds even after the release.

Director Thomas made a motion to approve the order excluding land and redefining the boundaries of the district for Donovan Rivera (5 acres) and was seconded by Director Barton.

All in favor: 3 ayes.

Opposed: 0 none

Motion passed to approve.

17. **CONSIDER AND TAKE ACTION TO APPROVE ORDER EXCLUDING LAND AND REDEFINING THE BOUNDARIES OF THE DISTRICT FOR MAHARLIKA RESOURCES, INC (3.34 ACRES).**

Director Jarvis stated this was the same information Mr. Alan Petrov had explained in the previous item (#16) different property.

Director Thomas made a motion to approve the order excluding land and redefining the boundaries of the district for Maharlika Resources Inc. (3.34 acres) and was seconded by Director Barton.

All in favor: 3 ayes.

Opposed: 0 none

Motion passed to approve.

18. **ENGAGEMENT OF ARBITRAGE COMPLIANCE SERVICES FOR THE \$7,665,000.00 UNLIMITED TAX REFUNDING BONDS, SERIES 2012 AND ACKNOWLEDGE THE TEC FORM 1295.**

Mr. Alan Petrov explained this was an audit for the use of the bond proceeds. It is required by the IRS every 5 years to maintain the tax-exempt status on the bonds. The audit needs to be done by someone that does the arbitrage calculation making sure the district didn't make more money off earning interest from holding the proceeds than what was paid by the district in the interest to the bondholders. The IRS doesn't let you make money by selling bonds, if you do you would have to pay them.

Director Barton made a motion to approve the \$7,665,000.00 unlimited tax refunding bonds. Series 2012 and was seconded by Director Thomas.

All in favor: 3 ayes.

Opposed: 0 none

Motion passed to approve.

19. **CONSIDER AND TAKE ACTION TO APPROVE ORDER APPROVING PLAN FOR RAVENNA II DEFINED AREA (160 ACRES).**

Mr. Alan Petrov stated this was a proposal to establish another defined area within the boundaries of the district. This was for the property the board annexed a few months prior (Summer Sky North). Ms. Troncoso added this was another quarter section of section 20 just east of Colonia Revolucion and was annexed about 3 or 4 months prior with the understanding they would like to do a defined area. Mr. Petrov stated the district would have to call the election for them in January and they would hold an election in May to approve the defined area bonds and once the areas develop enough to support it own little bond issues, they will be able to reimburse the developer for those costs at no cost to the district.

Director Thomas made a motion to approve the order approving plan for Ravenna II (Summer Sky North) defined area (160 acres) and was seconded by Director Barton.

All in favor: 3 ayes.

Opposed: 0 none

Motion passed to approve.

20. **EXECUTIVE SESSION, AS NECESSARY.**

No items.

No Action Necessary.

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

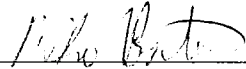
Nothing to report.

There being no further business before the Board, the meeting was upon motion made by Director Thomas and seconded by Director Barton all in favor and carried, adjourned at 5:41 p.m.

READ, APPROVED AND ADOPTED THIS 24th DAY OF MARCH 2022.

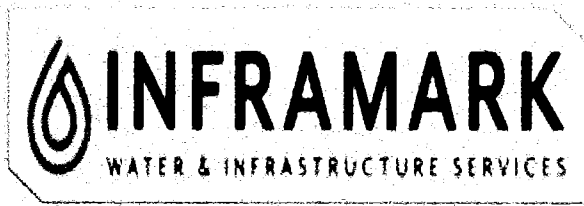


GORDON JARVIS, PRESIDENT
Board of Directors
Horizon Regional M.U.D.



MIKE BARTON, SECRETARY
Board of Directors
Horizon Regional M.U.D.

CM/VS



**Horizon Regional MUD
General Manager Reports for the month of
November 2021
Board Meeting Date: 12-16-2021**

Reviewed By: Carlos McGinnis
Date: 12-18-2021



Inframark LLC
14100 Horizon Blvd, Horizon
City, TX 79928
United States
www.inframark.com

Current Items Requiring Board Approval

| Vendor | Amount | WO# | Budget Amount | Description |
|--------|--------|-----|---------------|-------------|
| | | | | |
| | | | | |

Date: 12/16/2021

Memorandum for: Board of Director's Horizon Regional MU

From:

Subject: General Manager's Executive Summary Report

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

1) Wastewater Treatment Plant

- a) Digester repairs are on tonight's Agenda for approval
- b) Belt press has developed leaks on the cylinders and we are pricing out.
- c) We are waiting for parts to be delivered for Main Bar Screen.

2) Distribution System – Billing

- a) Replaced 100 residential meters
- b) Repaired 13 streets and 3 meter leaks
- c) Replaced 1 gate valve on Benton.

3) Collection System

- a) Bain Construction is preparing to remove old A/C Lines for Biglon and Duanesbu
- b) Bain Construction is working on the new lift station for the Catholic church

4) Ponds

- a) Atomizers are running.
- b)

5) Construction

- a) Smithco is working on Well 11
- b) Elevated Storage construction has started.

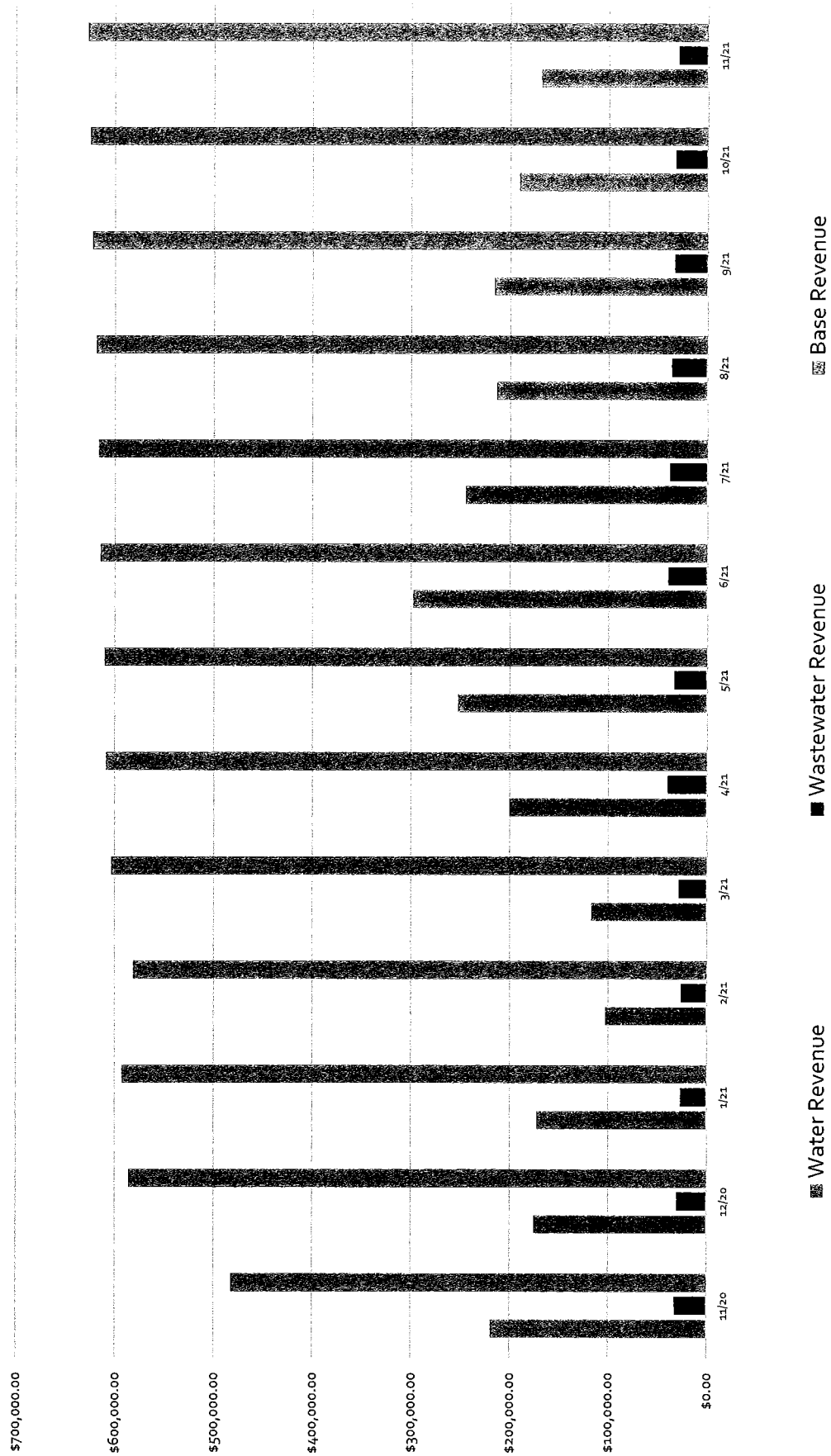
6) Customer Care

- a) Assisted 8 Customers with payment plans.
- b) 142 Disconnections were done in ~~September~~ *November*

Billing Summary

| Description | Connections | |
|--|----------------------------|-------------------|
| | Nov-20 | Nov-21 |
| Residential | 11,351 | 12,050 |
| Commercial | 246 | 246 |
| Irrigation | 54 | 54 |
| School | 20 | 20 |
| Municipal | 16 | 16 |
| Church | 12 | 12 |
| Bulk Meter | 18 | 26 |
| Total Number of Accounts Billed | 11,717 | 12,424 |
| | Consumption | |
| Residential | 71,473,400 | 69,209,800 |
| Commercial | 5,401,300 | 5,430,600 |
| Irrigation | 1,868,200 | 2,996,600 |
| School | 417,000 | 1,049,500 |
| Municipal | 1,597,400 | 783,400 |
| Church | 574,800 | 412,500 |
| Bulk Meter | 1,204,000 | 5,169,000 |
| Total Gallons Consumed | 82,536,100 | 85,051,400 |
| | Average Consumption | |
| Residential | 6,297 | 5,744 |
| Commercial | 21,957 | 22,076 |
| Irrigation | 34,596 | 55,493 |
| School | 20,850 | 52,475 |
| Municipal | 99,838 | 48,963 |
| Church | 47,900 | 34,375.00 |
| Bulk Meter | 66,889 | 198,808 |
| Avg Water Use for Accounts Billed | 7,044 | 6,846 |
| Total Billed | \$ 763,253 | \$ 828,619 |
| Total Aged Receivables | \$ 1,007,158 | \$ 900,131 |
| Total Receivables | \$ 1,770,411 | \$ 1,728,750 |

12 Billing Month History Revenue by Category

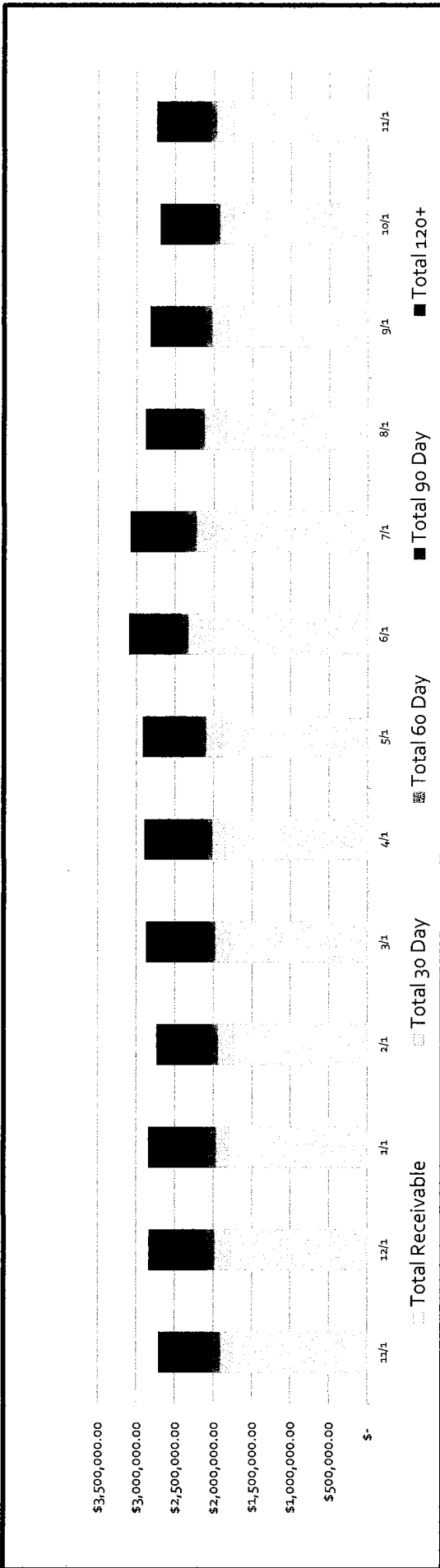


■ Base Revenue

■ Wastewater Revenue

■ Water Revenue

12 Month Accounts Receivable and Collections Report



| Date | Total Receivable | Total 30 Day | Total 60 Day | Total 90 Day | Total 120+ |
|--------|------------------|---------------|---------------|--------------|---------------|
| 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 |
| May-21 | \$ 1,873,653.31 | \$ 221,893.33 | \$ 72,858.73 | \$ 33,999.47 | \$ 717,874.28 |
| Jun-21 | \$ 1,987,359.25 | \$ 333,419.13 | \$ 84,947.49 | \$ 25,810.47 | \$ 667,246.17 |
| Jul-21 | \$ 1,954,940.89 | \$ 281,632.63 | \$ 147,880.14 | \$ 45,113.02 | \$ 668,494.70 |
| Aug-21 | \$ 1,830,971.29 | \$ 284,363.90 | \$ 67,383.97 | \$ 35,218.35 | \$ 665,609.02 |
| Sep-21 | \$ 1,799,321.15 | \$ 219,560.23 | \$ 91,062.29 | \$ 32,337.27 | \$ 678,542.81 |
| Oct-21 | \$ 1,728,773.18 | \$ 186,754.08 | \$ 69,973.17 | \$ 36,193.65 | \$ 674,288.07 |
| Nov-21 | \$ 1,728,750.15 | \$ 229,165.27 | \$ 79,548.39 | \$ 23,961.91 | \$ 680,155.56 |

Board Consideration to Write Off
Board Consideration Collections

Delinquent Letter Mailed 898
Delinquent Tags Hung N/A
Disconnects for Non Payment 142

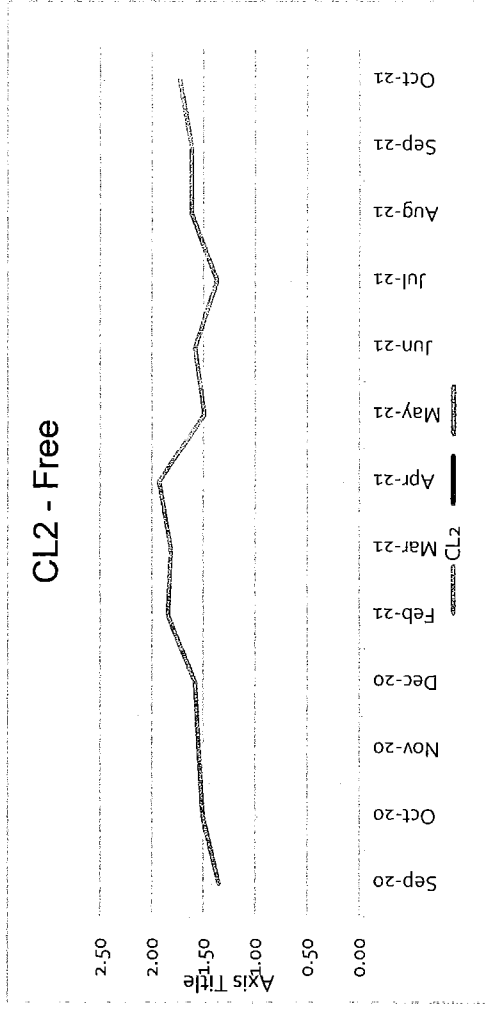


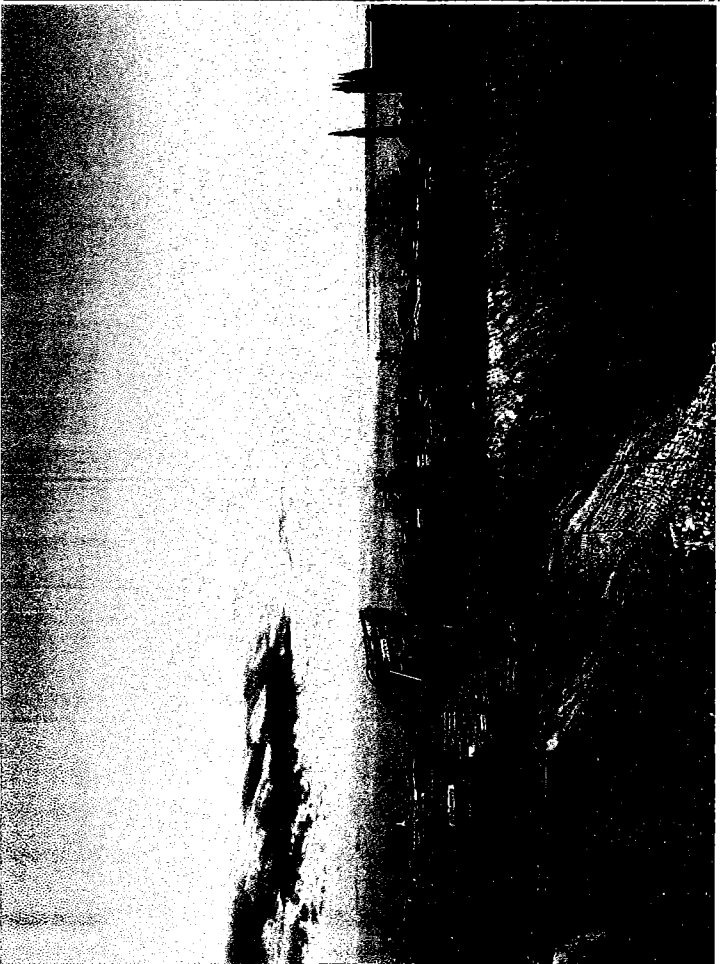
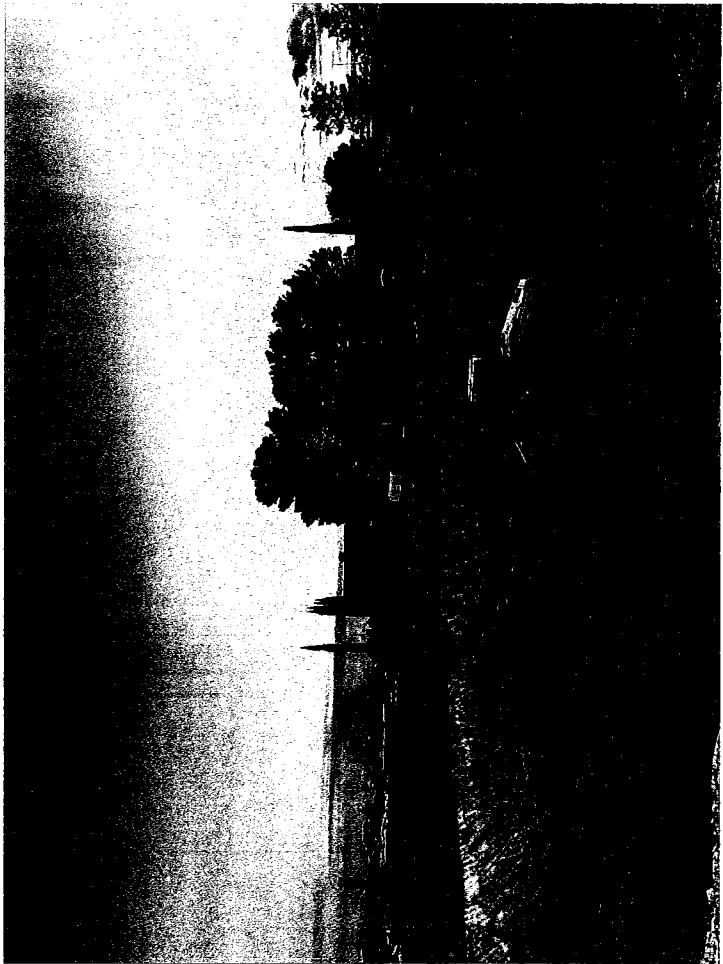
Water Production and Quality

Water Quality Monitoring

Current Annual CL2 Avg

| Requirements | Min | .02 |
|--------------|------|-----|
| Date | CL2 | |
| Sep-20 | 1.35 | |
| Oct-20 | 1.50 | |
| Nov-20 | 1.54 | |
| Dec-20 | 1.58 | |
| Feb-21 | 1.84 | |
| Mar-21 | 1.81 | |
| Apr-21 | 1.93 | |
| May-21 | 1.49 | |
| Jun-21 | 1.58 | |
| Jul-21 | 1.37 | |
| Aug-21 | 1.61 | |
| Sep-21 | 1.61 | |
| Oct-21 | 1.73 | |



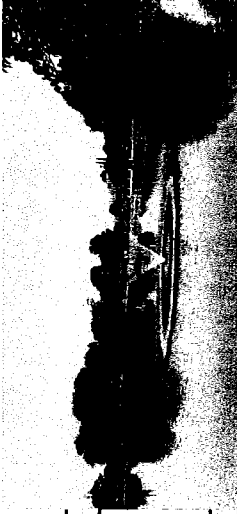


Pictures of Construction of new Elevated Storage

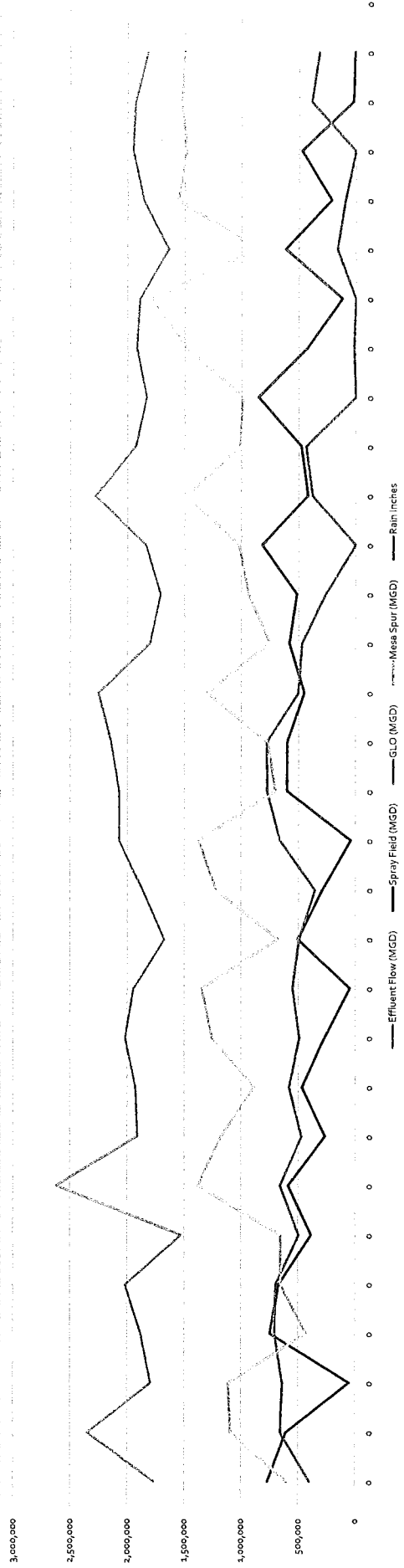
| Month | Month | Connection Total | Pumped Water | Sold (1000) | Flushing/District | Gal.s Loss (-) | Water loss % |
|--------------|------------|------------------|--------------|-------------|-------------------|----------------|--------------|
| September 20 | 11/19/2020 | 11644 | 192,769 | 120,141 | 55,210 | 25,130 | 12.4% |
| October 20 | 12/17/2020 | 11635 | 188,270 | 124,854 | 50,010 | 23,943 | 14.7% |
| November 20 | 1/28/2021 | 11723 | 173,568 | 94,483 | 35,000 | 18,393 | 13.3% |
| December 20 | 2/25/2021 | 11724 | 168,294 | 78,265 | 50,010 | 24,174 | 10.6% |
| January 21 | 3/25/2021 | 11825 | 162,714 | 70,544 | 45,050 | 20,283 | 14.4% |
| February 21 | 4/25/2021 | 11863 | 160,099 | 72,542 | 45,000 | 20,283 | 12.5% |
| March 21 | 5/27/2021 | 11958 | 198,067 | 102,131 | 35,000 | 15,598 | 9.7% |
| April 21 | 6/24/2021 | 11994 | 227,874 | 99,048 | 55,200 | 21,815 | 12.5% |
| May 21 | 7/22/2021 | 12065 | 150,880 | 133,333 | 10,000 | 35,315 | 15.5% |
| June 21 | 8/26/2021 | 12122 | 152,172 | 118,239 | 20,000 | 13,933 | 9.0% |
| July 21 | 9/23/2021 | 12233 | 163,518 | 105,556 | 40,000 | 17,962 | 11.0% |
| August 21 | 10/28/2021 | 12291 | 139,733 | 101,250 | 25,000 | 13,483 | 9.6% |
| September 21 | 11/30/2021 | 12424 | 130,773 | 85,051 | 30,000 | 15,722 | 12.0% |



Wastewater Production and Quality



Wastewater Flows for the Month of November 2021



Wastewater Treatment Permit Summary - Month of November 2021

| | DISCHARGE | EFF. | ACTUAL | COMPLIANT | PERCENT |
|---------------------------|-----------|------|--------|-----------|---------|
| Avg. Treated Flow | MGD | 3 | 1.940 | Yes | 64.7% |
| Avg. Sprayfield Flow | MGD | 3 | 0.427 | Yes | 14.2% |
| Avg. GLO Flow | MGD | 3 | 0.414 | Yes | 13.8% |
| Avg. Mesa Spur Flow | MGD | 3 | 1.090 | Yes | 36.3% |
| Avg. Other Flow | | | 0.009 | N/A | |
| Avg. cBOD | mg/L | 10 | 5.3 | Yes | |
| Avg. TSS | mg/L | 15 | 7.2 | Yes | |
| Avg. Ammonia Nitrogen NH3 | mg/L | 3 | 0.84 | Yes | |
| Avg DO | mg/L | 7/77 | 0.2 | Yes | |
| E. coli Bacteria | CFU | 126 | 136 | Yes | |
| MIN. PH | STD UNITS | 6.0 | 6.90 | Yes | |
| MAX. PH | STD UNITS | 9.0 | 7.90 | Yes | |

only applies if discharge

Inframark

December 16,2021

Leak Report for November

| Address | Date | Street | Meter | Repaired | Comments |
|-----------------------|------------|--------|-------|----------|---------------------|
| 14712 Desert Breeze | 11/1/2021 | x | | x | Replace with copper |
| 14416 Schoenfeilder | 11/2/2021 | x | | x | Replace with copper |
| 412 Linger | 11/5/2021 | x | | x | Replace with copper |
| 13740 Paseo Alegre | 11/5/2021 | x | | x | Replace with copper |
| 13720 Paseo Las Nubes | 11/8/2021 | x | | x | Replace with copper |
| 13400 Boody | 11/8/2021 | x | | x | Replace with copper |
| 1213 Colina Blanca | 11/9/2021 | x | | x | Replace with copper |
| 313 Sand Gate | 11/9/2021 | x | | x | Replace with copper |
| 18986 Armington | 11/12/2021 | x | | x | Replace with copper |
| 825 Cascada | 11/16/2021 | | x | x | PVC |
| 14744 Horizon View | 11/16/2021 | | x | x | PVC |
| 14224 Desert Sage | 11/18/2021 | x | | x | Replace with copper |
| 417 Desert Chicory | 11/18/2021 | x | | x | Replace with copper |
| 14700 Mountain Breeze | 11/23/2021 | x | | x | Replace with copper |
| 14469 Desert Sage | 11/29/2021 | x | | x | Replace with copper |
| 14240 Desert Stone | 11/29/2021 | | x | x | PVC |

Street Leaks 13

Meter Leaks 3

Total 16

Date: December 9, 2021

Re: Operations Report for November 2021

Lift Stations

| | |
|--------------------------------------|-------------------------|
| <u>Barrel Cactus Lift Station</u> | Fully operational. |
| <u>Benton Lift Station</u> | Fully operational. |
| <u>Biglon Lift Station</u> | Fully operational |
| <u>Duanesburg Lift Station</u> | Running on by-pass pump |
| <u>Ellsworth Lift Station</u> | Fully operational. |
| <u>El Paso Hills Lift Station</u> | Fully operational. |
| <u>El Paso Hills Relay Station</u> | Fully operational. |
| <u>El Paso Hills Lift Station #2</u> | Fully operational. |
| <u>Horizon Lift Station</u> | Fully operational. |
| <u>Kenazo Lift Station</u> | Fully operational |
| <u>Notre Dame List Station</u> | Fully operational. |
| <u>Manor 9 Lift Station</u> | Fully operational. |
| <u>Section 32 Lift Station</u> | Fully operational |
| <u>Veny Webb Lift Station</u> | Fully operational |
| <u>Woodale Lift Station</u> | Fully operational. |

Tanks

| | |
|---------------|---|
| <u>GST 1</u> | Online as reserve storage for the distribution system. |
| <u>GST 2</u> | Online as primary pumping station and water supply for 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

- 5 blowers are up and running.
- Waiting on transmission for upper bar screen
- Hauled 14 loads of sludge

Water Wells

Well 3 back online
Well 8 back online
Well 5 pulled

Booster Pump Stations.

Pump Station 3

Operational.

Pump Station 4 Distribution

Operational.

Pump Station (RAW)

Operational.

RO Plant

All concentrator trains are up and running at 40%
RO Plant all trains up and running

R.O. Ponds

North end Atomizers running no issues.
South end Atomizers running. E-3 no issues.

Valve replacement 404 Benton

David Munoz Inframark



Engineering Solutions

MEMORANDUM

Via E-Mail

TO: Horizon Regional Municipal Utility District
Board of Directors

FROM: Linda Troncoso, P.E.

DATE: December 16, 2021

SUBJECT: December 16, 2021 Board Meeting
Engineer's Report
TRE Job No.: 1277-7388-54

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.

TRE and Inframark have met with the Town and TxDOT regarding Darrington and Horizon Blvd reconstruction in December and are continuing to address specific line replacement and relocation requirements as part of the project scope.

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

The Notice to Proceed was issued on December 8, 2021 and construction has commenced.

Two Water Wells for RO Supply

The pumps have been set in Well Nos. 10 and 11. EPE is scheduling to begin power installation. New pricing for rock walls is pending for the presentation of Change Order No. 3. Change Order No. 2 is on the agenda for the BOD's approval at this meeting.

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 approved. TRE is coordinating with Inframark for the autopsy of membranes at the existing RO plant as well as water samples from the feed water to establish design parameters for the RO plant expansion.

RO Concentrate Disposal Management

TRE received the permitting parameter list from the TCEQ on November 12, 2021. A pre-submittal meeting was held with the TCEQ for the first week in December. TCEQ has offered to provide sample information for permitting submittals and has agreed to additional pre-submittal meetings prior to the permit submittal which is anticipated to be late January 2022.

The second E3 system have been installed and all electrical improvements have been completed.

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. TRE is currently evaluating the cost benefits of the two WWTP location alternatives for review by the BOD at a workshop in January 2022.

Wheeler Well No. 8 and 5 Rehabilitation

Bids were received last month and a bid for the repairs was awarded at the November BOD meeting. A preconstruction meeting was held on December 15, 2021.

Duanesburg Force Main Emergency Repair

TRE & Associates, LLC

HRMUD Engineering Report
December 16, 2021
Page 3 of 3

Bain Construction has completed the repaving and is pending the demolition and disposal of the existing AC force main in Horizon Boulevard.

Duanesburg Lift Station Rehabilitation

The design survey has been received and the plans for the rehab have been initiated. The rehabilitation project is scheduled to advertise in late January for award at the February 2022 BOD meeting.

Wastewater Treatment Plant Digester Emergency Repair

Bids were received on Tuesday, December 14, 2021. The recommendation of award is on the agenda for this BOD meeting.

Linda Troncoso will be at the December 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 12/9/21)
COMMITMENT APPLICATIONS

| Job # | Job Title | Date Received | Additional Info Request | Commitment Letter Released | Committed LUE's WW | Committed LUE's Wtr | Comments |
|------------|--|---------------|-------------------------|----------------------------|--------------------|---------------------|--------------|
| 1277-12119 | HCU52 -BLK 382 and 385 | 11/10/2021 | | 11/11/2021 | | 5 | approved |
| 1277-12099 | Horizon City Unit 91 - 6 lots | 7/20/2021 | | | 0 | 6 | approved |
| 1277-12120 | Darrington Eastlake Commerical Unit Four | 10/11/2021 | | 11/10/2021 | 33 | 33 | approved |
| 1277-12134 | Jack in the Box - 13640 Horizon Blvd | 9/30/2021 | | 11/10/2021 | 15 | 15 | approved |
| 1277-11235 | Horizon Hills Church | 10/13/2021 | | 12/6/2021 | 0 | 1 | approved |
| 1277-12136 | TxDOT Horizon Blvd Irrigation | 11/8/2021 | | | | | under review |
| 1277-12152 | 905 Linwood | 11/17/2021 | | 12/9/2021 | | 1 | approved |

TRE & ASSOCIATES, LLC (revised 12/9/21)
HR - CONSTRUCTION REVIEW

| Job # | Job Title | Commitment Letter Released | Plans Received | Plan Comments Sent | Plan Approval | Comments |
|------------|--|----------------------------|--|---|---------------|-----------------------------|
| 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 |
| 1277-12036 | 283 South Darrington | 5/25/2021 | 5/17/2021 2nd - 9/30/21 | 6/8/2021 2nd - 11/10/21 | | awaiting revised plans |
| 1277-12059 | HC Unit 91 Blk 791-792 | 6/9/2021 | 4/15/2021 6/29/21 2nd set | 6/11/2021- 1st set 7/9/21- 2nd set 8/5/21 - 3rd set | 9/9/2021 | approved |
| 1277-12051 | Polar Services Center | 7/19/2021 | 10/7/2021 | | | corresponding with engineer |
| 1277-12079 | Daddy O's Carwash | 7/26/2021 | 7/19/2021 | 8/9/2021 | | Project Cancelled |
| 1277-11852 | Painted Desert at Mission Ridge Unit 4 | 7/19/2021 | 7/9/2021 2nd - 9/20/21 3rd 10/8/21 | 7/29/2021 2nd - 10/8/21 | 10/14/2021 | approved |
| 1277-12119 | HCU52 -BLK 382 and 385 | 11/10/2021 | 11/10/2015 | | 11/11/2021 | approved |
| 1277-12120 | DECU4 - 13649 Eastlake-Shopping | 11/10/2021 | 10/11/2021 | 11/11/2021 | | awaiting revised plans |
| 1277-12134 | Jack in the Box - 13640 Horizon Blvd | 11/10/2021 | 9/30/2021 | 11/23/2021 | | awaiting revised plans |

TRE & ASSOCIATES, LLC (revised 12/9/21)
CONSTRUCTION OBSERVATION

| Job # | Job Title | Plan Approval | Construction Start Date | Comments |
|--------------|--|----------------------|--------------------------------|-----------------------------|
| 1277-12011 | Horizon Mesa Self Storage | 10/26/2021 | | awaiting construction start |
| 1277-12020 | Corcoran Park Restroom | 10/20/2021 | 10/21/2021 | under construction |
| 1277-11903 | Summer Sky Unit 2 | 9/16/2020 | 6/28/2021 | under construction |
| 1277-11864 | West Eastlake Estates Unit Two | 3/5/2020 | 3/21/2021 | under construction |
| 1277-12059 | HC Unit 91 Blk 791-792 | 9/9/2021 | 10/7/2021 | under construction |
| 1277-11852 | Painted Desert at Mission Ridge Unit 4 | 10/14/2021 | | awaiting construction start |
| 1277-11864 | West Eastlake Estates Unit Two | 3/5/2020 | 3/21/2021 | under construction |
| | | | | |
| 1277-12119 | HCU52 -BLK 382 and 385 | 10/14/2021 | | awaiting construction start |

TRE & ASSOCIATES, LLC (revised 12/9/21)
HR - APPROVED UTILITY SERVICE COMMITMENTS

| Job # | Job Title | Commitment Letter Released | Committed LUE's WW | Committed LUE's Wtr | Plan Approval | Comments |
|------------|--|----------------------------|--------------------|---------------------|---------------|------------------------|
| 1277-11838 | Horizon City Unit 91 - 22 lots | 1/17/2020 | 0 | 22 | | awaiting revised plans |
| 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 | awaiting accept |
| 1277-11903 | Summer Sky Phase 2 | 5/20/2020 | 215 | 215 | 9/16/2020 | under construction |
| 1277-12011 | Horizon Mesa Self Storage | 2/17/2020 | 3 | 3 | 10/26/2021 | approved |
| 1277-12020 | Corcoran Park Restroom | 3/5/2021 | 1 | 1 | 10/20/2021 | approved |
| 1277-12036 | 283 S. Darrington | 5/22/2021 | 1 | 1 | | awaiting revised plans |
| 1277-12051 | Polar Services Center | 7/19/2021 | 5 | 5 | | under review |
| 1277-12079 | Daddy O's Carwash | 7/26/2021 | 32 | 32 | | project cancelled |
| 1277-11852 | Painted Desert at Mission Ridge Unit 4 | 7/19/2021 | 276 | 276 | 10/14/2021 | approved |
| 1277-12119 | HCU52 -BLK 382 and 385 | 11/11/2021 | 0 | 5 | | awaiting revised plans |
| 1277-12120 | Darrington Eastlake Commerical Unit Four | 11/10/2021 | 33 | 33 | | awaiting revised plans |
| 1277-12134 | Jack in the Box - 13640 Horizon Blvd | 11/10/2021 | 15 | 15 | | under review |
| 1277-11235 | Horizon Hills Church | 12/6/2021 | 0 | 1 | | under review |
| 1277-12059 | HC Unit 91 Blk 791-792 | 6/9/2021 | 0 | 11 | 9/9/2021 | approved |

TOTAL OUTSTANDING COMMITMENTS

781

820