BAXTER & WOODMAN Consulting Engineers

AUGUSTA STANDPIPE REPLACEMENT PROJECT

TRAVIS COUNTY WCID POINT VENTURE

PROJECT UPDATE - JUNE 26, 2025

PRESENTATION OVERVIEW

- INTRODUCTION
- WATER MASTER PLAN (WMP) REVIEW
- WATER MODEL & FIELD DATA COLLECTION REVIEW
- PROPOSED STORAGE TANK
- QUESTIONS

INTRODUCTION

PROJECT TEAM

EOR/POC

>MICHAEL E. BEVILACQUA, P.E.
Senior Project Manager

DEPARTMENT MANAGER/QA-QC

>WILLIAM F. PEÑA, P.E.
Associate Vice President

SUPPORT STAFF

- Blake Dunnahoo, E.I.T.
- Glenn Pope – CAD Designer

TEXAS OFFICE LOCATIONS:

301 Denali Pass Drive, Suite #3, Cedar Park, TX 78613
11450 Compaq Center West Drive, Suite 660, Houston, TX 77070
24285 Katy Freeway, Suite 550, Katy, TX 77494

INTRODUCTION

- ***PRELIMINARY ENGINEERING*** – *Review the 2024 Water Master Plan, review the water model, collect field data to evaluate/validate the water model, and evaluate the design criteria of new storage tank.*

- SURVEYING
- GEOTECHNICAL ENGINEERING
- FINAL DESIGN
- APPROVALS
- CONSTRUCTION ADMIN/INSPECTIONS

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WATER MASTER PLAN REPORT

WATER MASTER PLAN REPORT

REVIEW SUMMARY

- HIGH SERVICE PUMPS (HSP) – Will meet TCEQ minimum criteria when the new storage tank is completed if the tank is sized to provide a minimum of 200 gallons per LUE.
  - Both pumps will be required to run to meet peak conditions leaving no spare pump.
  - Confirm in final design the flow rate of two (2) HSPs operating when pumping to the higher elevation of the new tank to ensure they can still meet minimum criteria.

WATER MASTER PLAN REPORT

REVIEW SUMMARY

- ✓ Reviewed and generally agree with the proposed projects with the following comments:
  - ❖ PRV ASSEMBLY PROJECT – Since flows will be provided to the LPP from the UPP through this PRV, storage allocation in the EST and the Augusta Pump Station design flow need to be reviewed and verified during final design of their respective projects.
  - ❖ 6" WL FROM NICKLAUS TO CHAMPIONS – Model indicates a 6" WL is adequate to provide fire flow. Confirm WL size at time of design.
  - ❖ 2" WL REPLACEMENTS – Recommend adding a new WL on Augusta Circle. The end of the cul-de-sac is greater than 500-ft away from the nearest hydrant.

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WATER MODEL & FIELD DATA COLLECTION

WATER MODEL

MODEL INPUTS

- Elevation Differences
- Pipe Diameters
- Fire Hydrant Leads

FIRE FLOW ANALYSIS

- System Demand
- Gate Valves

OVERALL SUMMARY:

- ***SOME ADJUSTEMENTS RECOMMENDED IN FUTURE UPDATES BUT NONE THAT IMPACT OVERALL ANALYSIS, PROPOSED PROJECTS, OR CURRENT DESIGN TASKS.***

- ✓ ***MODEL FALLS WITHIN EXPECTED RANGE OF RESULTS AND CORRELATES WELL WITH THE FIELD DATA COLLECTED.***

FIELD DATA

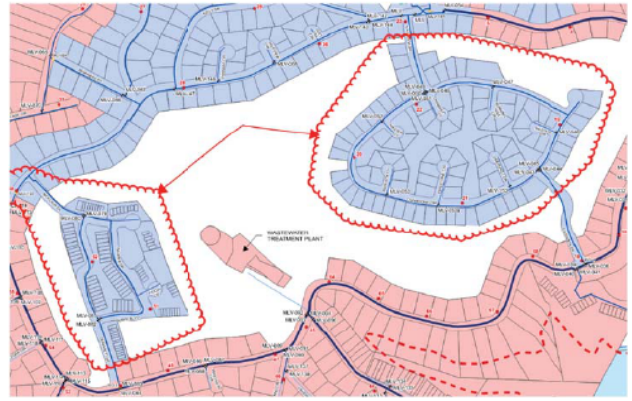
PURPOSE & OVERVIEW

- Monitored pressures in the system and performed hydrant flow tests to review/validate the water model.
- Collected data from ten (10) data loggers on fire hydrants throughout the District to monitor pressures at 2-minute intervals from 5/7/2025 to 5/15/2025.
- Performed six (6) flow tests on the 'low flow' hydrants indicated in the water model and WMP.
  - Three (3) in each pressure plane.
- ✓ Overall the field data correlates well with the water model results.

FIELD DATA

FIRE FLOW TESTS

Fire Hydrant (Model Label)	Approximate Hydrant Address	PP	Model FF (gpm)	Calc F.F. from Field Data (gpm)	Δ (Calculated vs Model) (gpm)
HL-24	200 Lakefront Dr	LPP	428.37	579.10	150.72
HL-25	304 Lakefront Dr	LPP	525.49	649.36	123.87
HL-31	405 Lakefront Dr.	LPP	676.78	631.90	-44.88
HL-51	Hogan Circle	UPP	785.65	1523.98	738.33
HL-52	518 Demarett Dr	UPP	777.74	1302.93	525.20
HL-58	19000 Venture Dr	UPP	914.17	1112.11	197.93



- Flows can vary from the model due to varying field conditions.

- Recommended to complete additional flow tests around Champion Circle and Demarette Drive in the future prior to completing the 6” WL Loop Project.

FIELD DATA

ITEMS OF NOTE

- **Data Logger A on FH #32 showed large pressure drops for an 8–10-hour period overnight for each night.**
  - Currently investigating to ensure no leaks or excess water use but this does not alter the analysis or affect the current design tasks.
- **Results from Data Logger G (FH #18) appear to show this FH is on the LPP and not the UPP as indicated on system maps and in the water model.**
  - This can be verified by checking gate valve positions.
  - Does not alter analysis or affect current design tasks.
- **Pressure Complaints**
  - Numerous complaints at various locations.
  - Field data is within range of areas reporting low pressures.
  - Proposed tank will raise pressures at these locations approximately 10-21 PSI (If tank MWSEL = 926).

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PROPOSED STORAGE TANK

PROPOSED STORAGE TANK

- **Will be reviewing and discussing the following:**

1. ***Design Criteria Options***
2. ***Tank Location Options***
3. Tank Styles
4. Preliminary Costs
5. Next Steps

- Our work for the 'proposed storage tank' section is still in progress.
- The goal of this section is to provide information and status updates on all items #1 through #5, but to get direction on items #1 and #2.
- Full analysis and life cycle costs between tank options will be provided at either the July or August Board meeting for further evaluation.

PROPOSED STORAGE TANK

LUE AND TCEQ MINIMUM SUMMARY

LUE SUMMARY

Total Lower P.P. LUEs	690	58%
Total Upper P.P. LUEs	500	42%
Total LUEs:	1190	

TCEQ MINIMUM

	Elevated Required (gal)	Total Storage Required (gal)	Existing Storage Provided (gal)	Required Storage Needed in new LPP Tank (gal)
Upper Pressure Plane (UPP)	50,000	100,000	50,000	50,000
Lower Pressure Plane (LPP)	138,000	138,000	0[A]	138,000
		Total TCEQ Minimum Required:		***188,000***

A) Due to the existing standpipe being demoed or taken offline, zero (0) gallons of existing storage is shown for the LPP in order to determine the minimum storage volume required for the new tank . This also assumes no clearwell storage is being allocated.

PROPOSED STORAGE TANK

DESIGN CRITERIA OPTIONS (Standpipe Replacement)

OPTION 1

Nominal Tank Size = 200,000 gal

- *Total Storage Needed = 188,000 gal based on TCEQ minimums.*

OPTION 2

Nominal Tank Size = 300,000 gal

- *Total Storage Needed = 288,647 gal based on providing storage to meet peak hourly flow of 1.181 gpm/LUE and 1,000 gpm of fire storage for 2 hours.*

Notes: This option assumes no supplemental feed from the WTP into the distribution system.

OPTION 3

Nominal Tank Size = 250,000 gal

- *Total Storage Needed = 228,647 gal based on providing storage to meet peak hourly flow of 1.181 gpm/LUE and 500 gpm* of fire storage for 2 hours.*

**This option assumes HSPs are on and the clearwells are 58% full, or clearwells are at 40% full and Plant A or B at max production capacity.*

The existing standpipe has a volume of 296,000 gallons.

PROPOSED STORAGE TANK

ONE TANK OPTION (OPTION 4)

❖Currently evaluating if both the existing standpipe and elevated tank can be replaced with one (1) tank to serve the entire District.

❖This will combine pressure planes.

❖Nominal Tank Size = 250,000 to 350,000 gallons.

❖Other improvements required:

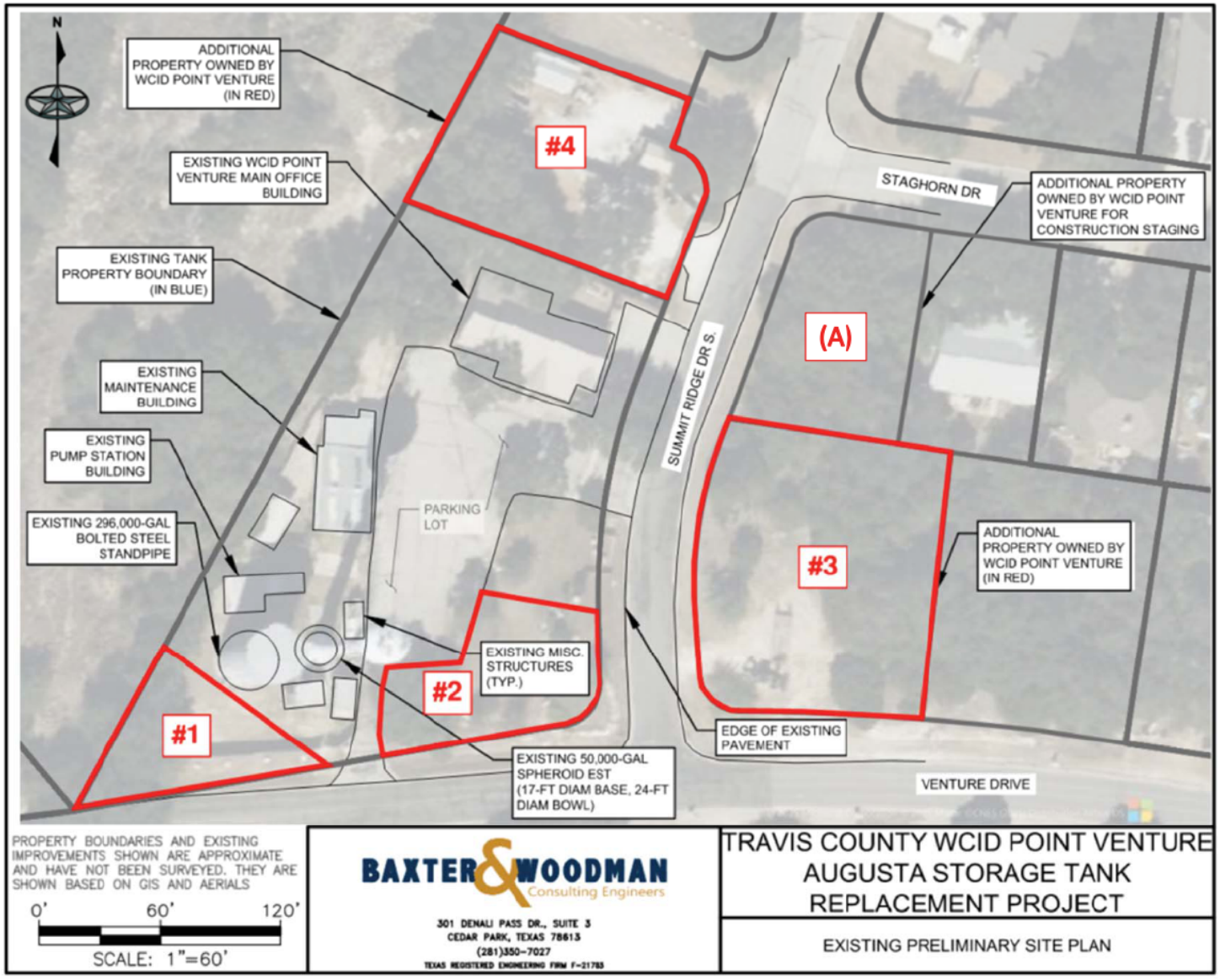
1. High Service Pumps to be replaced with larger pumps.
2. Minimum of two (2) but up to ten (10) PRVs required and/or PRVs installed at most service boxes.
3. Additional piping modifications at the existing tank site.

Challenges/Cons:

- *Hard to get multiple PRVs to 'balance'. Leads to:*
  - *Service calls*
  - *Maintenance*
  - *Fails closed – Service Interruptions*
  - *Possible 2nd smaller PRV required on a secondary bypass line for low flows.*
- *Need operators that are experienced with these type of valves.*
- *Larger HSPs to pump to higher elevation, to then just reduce the pressure with PRVs in the system.*

Benefits/Pros:

- *One tank to maintain.*
- *Augusta Booster Pump station no longer required.*



Sites #2 - #4:

- Potential to keep existing standpipe to save costs on demolition or keep as a back-up tank.

Additional Property (A):

- Can be used for the Contractor's temporary staging and storage area:
  - Work Trailer
  - Materials
  - Equipment
  - Excavated material ("spoils")

PROPOSED STORAGE TANK

TANK STYLES

- **SPHEROID (a.k.a Pedestal)**
  - This is the style of the existing elevated tank.
  - All metal.
  - Typically less expensive to construct than a composite tank, but more maintenance costs due to having more metal that needs to be painted and coated.

- **COMPOSITE**
  - Concrete column with metal bowl.
  - Typically more expensive to construct than a spheroid tank, but less maintenance costs due to having less metal that needs to be painted and coated.

- **STANDPIPE**
  - This is the style of the existing ground storage tank.
  - Bolted or welded steel cylinder.
  - For this project, requires a larger volume of 550,000 gallons compared to a spheroid or composite due to the pressures desired to be maintained and the tank geometry.
  - Results in 'dead' storage.

SPHERIOD VS COMPOSITE VS STANDPIPE TANK STYLES

DRAFT SLIDE. STANDPIPE VISUSAL TO BE INCLUDED WITH FINAL PRESENTATION ON 6/26/2025.

PROPOSED STORAGE TANK

PRELIMINARY COSTS

Preliminary Tank Costs[1]		
Nominal Tank Size	Spheroid	Standpipe
200,000 (105-ft)	$1,700,000	-
250,000 (105-ft)	$1,900,000	-
300,000 (105-ft)	$2,100,000	-
550,000 (105-ft)	-	$2,340,000

1) Preliminary costs listed are for the tank only and do not include yard piping, electrical & instrumentation, E&S controls, site work, etc. These costs are shown for the tank only, and only for preliminary review and do no represent full construction/project and/or life cycle costs. These costs assume locations #2 thru #4 on the existing preliminary site plan with no work area restrictions. Additional costs will be incurred if on location #1 or if there are work area restrictions.

- **Costs shown above are for the Spheroid style tank for Options 1 thru 3, and only for tank construction. Standpipe cost shown for reference.**

PROPOSED STORAGE TANK

NEXT STEPS (BY BOARD)

- ✓ Decide on Design Criteria:
  - ➢ 200,000 GALLONS
  - ➢ 250,000 GALLONS
  - ➢ 300,000 GALLONS
- ✓ Decide on Tank Location Preference.
- ✓ Timeline: Either today or by/at July 2025 Board meeting.

NEXT STEPS (BY B&W)

- ➢ After design criteria and location preference is chosen, we will provide the Board with the full life cycle costs analysis between two tank types (spheroid vs composite).
  - ➢ Will also include full cost analysis for the one tank option.
  - ➢ Board to select final size and style at either July or August Board meeting.
- ➢ Initiate surveying services to obtain design survey on the selected site.

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QUESTIONS

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May 28, 2025
Project No: 2401747.00
Invoice No 0272958

Travis County WCID Point Venture
18606 Venture Drive
Point Venture, TX 78645

Client ID TWCID

Total this Invoice: $15,183.75

Client Manager William Pena
Project Manager Michael Bevilacqua
Project 2401747.00 Water Storage Tank

Deliverable 01 Preliminary Engineering

Professional Services

		Hours	Rate	Amount
CADD				
CADD Tech III				
Pope, Glenn	5/8/2025	.50	155.00	77.50
Base file				
Engineering, Civil/Environmental				
Engineer VII				
Pena, William	3/31/2025	.50	250.00	125.00
Project documentation				
Pena, William	4/8/2025	1.00	250.00	250.00
Project planning and scheduling				
Pena, William	4/16/2025	.25	250.00	62.50
Project planning				
Pena, William	4/17/2025	1.00	250.00	250.00
Review and discuss W Master Plan, Pull WTP plans for site visit				
Pena, William	4/18/2025	3.00	250.00	750.00
Kick off mtg and site visit				
Pena, William	4/21/2025	.25	250.00	62.50
Mtg notes review				
Pena, William	4/30/2025	.50	250.00	125.00
Flow and Pressure Test mtg and follow up				
Engineer V				
Bevilacqua, Michael	4/2/2025	.50	210.00	105.00
Review WM exhibits				
Bevilacqua, Michael	4/8/2025	1.00	210.00	210.00
Review existing documents, list of documents needed.				
Bevilacqua, Michael	4/9/2025	1.75	210.00	367.50
Review Water Master Plan Report and Design Calcs/System Analysis Report.				
Bevilacqua, Michael	4/10/2025	2.00	210.00	420.00
Review documents, begin storage calcs, LUE counts				

Make check payable to Baxter & Woodman, Inc., 301 Denali Pass Dr., Suite #3, Cedar Park, TX 78613. Call 281.350.7027 with questions on this invoice or wiring instructions.

Bevilacqua, Michael	4/14/2025	1.25	210.00	262.50
Existing document review, kick-off meeting agenda.				
Bevilacqua, Michael	4/15/2025	1.00	210.00	210.00
Review existing documents, TCEQ & AWWA rules, prepare meeting agenda				
Bevilacqua, Michael	4/16/2025	2.25	210.00	472.50
Review master plan and other documents received.				
Bevilacqua, Michael	4/17/2025	2.75	210.00	577.50
Meeting prep, doc review				
Bevilacqua, Michael	4/18/2025	3.00	210.00	630.00
Kick-off Meeting				
Bevilacqua, Michael	4/21/2025	1.25	210.00	262.50
Kick-off meeting minutes, coordinate existing document review				
Bevilacqua, Michael	4/22/2025	1.00	210.00	210.00
Review addresses with low pressures				
Bevilacqua, Michael	4/23/2025	2.75	210.00	577.50
Review docs, low pressure review				
Bevilacqua, Michael	4/24/2025	.50	210.00	105.00
Review docs, low pressure review				
Bevilacqua, Michael	4/30/2025	1.50	210.00	315.00
Field data collection meeting				
Bevilacqua, Michael	5/1/2025	.50	210.00	105.00
Field test coordination				
Bevilacqua, Michael	5/5/2025	.75	210.00	157.50
Existing document review and coordination, tank pricing, coordinate with Inframark				
Bevilacqua, Michael	5/6/2025	.50	210.00	105.00
Data collection coordination				
Bevilacqua, Michael	5/7/2025	1.50	210.00	315.00
Data collection coordination, cost estimate review				
Manage Project				
Engineer IV				
Ramos, Daniel	5/6/2025	1.25	200.00	250.00
Equipment prep				
Ramos, Daniel	5/7/2025	.25	200.00	50.00
Coordination				
Construction Manager II				
Gunter, Patricia	5/6/2025	.50	210.00	105.00
coordination				
Engineer Tech III				
Wood, Cal	5/6/2025	.75	145.00	108.75
- review plans - Get materials ready for inspection				
Wood, Cal	5/7/2025	12.00	145.00	1,740.00
- Travel to Austin - Preform Hydrant Testing - Return Home				
Visit Site				
Engineer Tech III				
Helms, Brian	5/6/2025	2.00	145.00	290.00
Preparation for the trip to AustinLocks and equipment needed for the testing.				
Helms, Brian	5/7/2025	13.00	145.00	1,885.00

Make check payable to Baxter & Woodman, Inc., 301 Denali Pass Dr., Suite #3, Cedar Park, TX 78613. Call 281.350.7027 with questions on this invoice or wiring instructions.

Project	2401747.00	TWCID Water Storage Tank		Invoice	0272958

Site visit / Point VentureFlow and pressure test install data loggers.

Helms, Brian	5/8/2025	1.00	145.00	145.00	

Upload and unload equipment from Austin Point Venture trip. Discussed with Daniel work performed.

	Totals	63.50	11,683.75	
	Total Labor			**11,683.75**

Unit Billing

Pressure Recording Data Logger

5/15/2025	10 Units x 7 days = 70 days	70.0 Days @ 50.00	3,500.00	
	Total Units		**3,500.00**	**3,500.00**

Contract Billing Limits	**Current**	**Prior**	**To-Date**	
Total Billings	15,183.75	0.00	15,183.75	
Engineers' Fee			55,000.00	
Remaining			39,816.25	
		Total this Deliverable		**$15,183.75**

Deliverable 02 Site Survey

Contract Billing Limits	**Current**	**Prior**	**To-Date**	
Total Billings	0.00	0.00	0.00	
Engineers' Fee			7,200.00	
Remaining			7,200.00	
		Total this Deliverable		**0.00**

Deliverable 03 Geotechnical Engineering

Contract Billing Limits	**Current**	**Prior**	**To-Date**	
Total Billings	0.00	0.00	0.00	
Engineers' Fee			10,800.00	
Remaining			10,800.00	
		Total this Deliverable		**0.00**

Deliverable 04 Final Design & Approvals

Contract Billing Limits	**Current**	**Prior**	**To-Date**	
Total Billings	0.00	0.00	0.00	
Engineers' Fee			108,000.00	
Remaining			108,000.00	
		Total this Deliverable		**0.00**

Deliverable 05 Bid Solicitation & Award

Contract Billing Limits	**Current**	**Prior**	**To-Date**	
Total Billings	0.00	0.00	0.00	
Engineers' Fee			10,000.00	
Remaining			10,000.00	
		Total this Deliverable		**0.00**

Make check payable to Baxter & Woodman, Inc., 301 Denali Pass Dr., Suite #3, Cedar Park, TX 78613. Call 281.350.7027 with questions on this invoice or wiring instructions.

Project	2401747.00	TWCID Water Storage Tank	Invoice	0272958

Total this Invoice **$15,183.75**

Billings to Date

	Current	Prior	Total
Labor	11,683.75	0.00	11,683.75
Unit	3,500.00	0.00	3,500.00
Totals	**15,183.75**	**0.00**	**15,183.75**

Make check payable to Baxter & Woodman, Inc., 301 Denali Pass Dr., Suite #3, Cedar Park, TX 78613. Call 281.350.7027 with questions on this invoice or wiring instructions.

Trihydro CORPORATION

memorandum

To: Travis County W.C.&I.D. Point Venture Board
From: Derek Klenke, P.E. & David Vargas, P.E. – Trihydro
Date: June 26, 2025
Re: June Board Meeting – Engineer's Report

The intent of this memorandum is to provide the status of various projects and studies that Trihydro is currently working on for the District. Updates to this memorandum subsequent to submittal for the board packet will be provided at the board meeting.

I. Water System

A. Surface Water Treatment Plant

May 29, Trihydro provided Inframark 2023 Fire Flow SOP.

B. Distribution and Storage

No current engineering issues to report.

II. Wastewater System

A. Wastewater Treatment Plant

No current engineering issues to report.

B. Collection

Jun. 11, Trihydro provided the District copies of existing wastewater utility maps to reference sewer lines for Comanche Townhomes.

III. Reclaimed Water System

A. Storage

No current engineering issues to report.

B. Irrigation

No current engineering issues to report.

IV. Other

A. FY 2025 General Engineering Services

Engineering Budget: $75,000.00 (41.0% invoiced)

Commencement Date: October 1, 2024
Completion Date: September 30, 2025

Project Status:

- May 28: Trihydro received in the mail the TCEQ letter for approving the Emergency Preparedness Plan (EPP), which was submitted back in Sept. 2024.

BOND PROGRAM
MONTHLY STATUS REPORT

June 2025

Project #: 00701-023-4000

SUBMITTED BY: Trihydro Corporation

5508 Highway 290 West, Suite 201, Austin, TX 78735

PREPARED FOR: Travis County Water Control and Improvement District - Point Venture

18606 Venture Drive, Point Venture, TX 78645

Table of Contents

Attachments:

EXECUTIVE SUMMARY

PROGRAM OVERVIEW

The Bond Program currently has two active projects which are the 0.15 Million Gallons per Day (MGD) Wastewater Treatment Plant (WWTP) Construction Services and the Water System Analysis. A synopsis detailing each project's updates are in Sections 2.1 and 2.2.

Section 2.2 provides a list and details of each future bond project for consideration based on priority and preliminary costs explained in Section 1.1.

The intent of this report is to provide the status of bond projects and studies that Trihydro is currently working on for the District. Updates to this report subsequent to submittal for the board packet will be provided at the board meeting.

SCHEDULE SUMMARY

Attachment No. 1 depicts the overall bond program schedule for the two active projects and upcoming future projects.

PROGRAM ALLOCATION SUMMARY

Bond projects have been allocated by the bond program committee based on project priority and preliminary costs. A project ranking spreadsheet is included in Attachment No. 2. As budget and actual costs are refined, modifications to the project list will occur as it is intended to be a living document through the duration of the bond program.

CURRENT PROJECT STATUS

0.15 MGD WWTP CONSTRUCTION SERVICES

Engineering Budget:	$892,833.20 (47.0% invoiced)
Contractor:	Associated Construction Partners (ACP)
Subcontractors:	ND Construction (ND); Alterman
Notice to Proceed:	Monday, October 23, 2023
Substantial Completion:	Saturday, May 9, 2026 (66% complete)
Final Completion:	Monday, June 8, 2026
Construction Cost:	$11,033,218.99 (66% complete)

Project Status:

Administration:

- Reviewing construction submittals.
- Jun. 9, Trihydro reviewed pay application #19 and recommended payment.
- ACP is on schedule.

Construction:

- Installed compacted backfill around aeration basin and clarifier.
- Installed electrical conduits & grounding for plant lift station wet well and televalve structure top lids.
- Concrete poured plant lift station wet well & televalve structure top lids.
- Installed compacted base & rebar for chemical feed building, filter, & hydropneumatic foundations.
- Installed compacted base for generator pad.
- Installed floor drains for chemical feed building.
- Installed 8" aeration pipe between aeration drop box and clarifier.
- Televalve, jib crane, and mechanical surface aerator motor equipment delivered.
- Passed hydrostatic testing for aeration basin.
- Installed WAS valve and meter vaults.
- Installed pump base elbows & vertical discharge piping inside WHLS wet well.
- Installed pipe bedding sloped floor inside clarifier.

WATER SYSTEM ANALYSIS

Engineering Budget: $153,490.00 (90.2% invoiced)

Project Status:

- No items to report.

FUTURE BOND PROJECTS

At the May 5, 2022 Special Board Meeting, Trihydro and the District discussed and evaluated the Bond Program project list and Summary Budget table. It was agreed to remove the Reclaimed Water System Improvements (Non-Golf Course Areas) and Existing Water Treatment Plant Improvements from the Bond Program project list. Trihydro and the District followed up with discussions on re-prioritizing the Bond projects. Attachment No. 2 depicts the updated Bond Program Summary Budget table including the updated project priorities.

WATER SYSTEM IMPROVEMENTS

The scope of these future bond projects are defined in the Water Master Plan, developed as part of the Water System Analysis project. The Water Master Plan provided recommendations for replacing the Augusta Standpipe and renovating the Augusta Pump Station to address immediate concerns and deficiencies in the water system. Additional projects to address aging infrastructure, fire flow availability, and operation issues included: rehabilitating the Augusta Elevated Storage Tank; installing a 6-inch waterline from Nicklaus Drive to Champions Circle; installing a PRV assembly; replacing 2-inch waterlines with 8-inch waterlines at Lakeland Circle and Lakehead Circle; and installing 6-inch waterlines along Valley Hill Drive and Valley Hill Lane to reallocate 35 LUEs to the Lower Pressure Plane. Scope and funding will be dependent upon final project costs of the WWTP and Water System Improvements.

RECLAIMED WATER SYSTEM IMPROVEMENTS – GOLF COURSE AREAS

This future bond project, coinciding with the new WWTP, will consist of installing new drip irrigation system, irrigation pump station, rehabilitating existing spray irrigation, and installing new reclaimed water lines. Funding will be dependent upon final project costs of the WWTP and Water System Improvements.

DRAINAGE AND REGRADING IMPROVEMENTS

This future bond project will coincide with the Reclaimed Water System Improvements – Golf Course Areas project. The original scope was to re-grade areas within the golf course that are prone to ponding and install runoff collection systems. Design Committee has identified Holes #1, #7, and #9 as areas experiencing inadequate drainage. Funding will be dependent upon final project costs of the WWTP and Water System Improvements.

Contractor's Application for Payment

Owner:	Travis County WCID Point Venture	**Owner's Project No.:**	701-023-300
Engineer:	Trihydro	**Engineer's Project No.:**	TRAVI-023-0002
Contractor:	Associated Construction Partners, Ltd.	**Contractor's Project No.:**	ACP 1607
Project:	0.15 MGD WWTP		
Contract:	Wastewater Treatment Plant Improvements		
Application No.:	19	**Application Date:**	5/31/2025
Application Period:	**From** 5/1/2025	**to**	5/31/2025

1. Original Contract Price					$	10,978,850.00
2. Net change by Change Orders					$	54,368.99
3. Current Contract Price (Line 1 + Line 2)					$	11,033,218.99
4. Total Work completed and materials stored to date (Column L Unit Price Total)					$	7,260,023.79
5. Retainage						
a.	5%	X	$ 7,260,023.79	Work Completed	$	363,001.19
b.	0%	X	$ 1,169,774.09	Stored Materials	$	-
c. Total Retainage (Line 5.a + Line 5.b)					$	363,001.19
6. Amount eligible to date (Line 4 - Line 5.c)					$	6,897,022.60
7. Less previous payments (Line 6 from prior application)					$	6,752,548.57
8. Amount due this application					$	144,474.03
9. Balance to finish, including retainage (Line 3 - Line 4)					$	3,773,195.20

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:

(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;

(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and

(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Associated Construction Partners, Ltd.

Signature:  **Date:** 5/31/2025

Recommended by Engineer		**Approved by Owner**	
By:		**By:**	
Title:	Project Manager	**Title:**	
Date:	06/09/2025	**Date:**	

INFRAMARK
WATER & INFRASTRUCTURE SERVICES

Travis County W.C.I.D. Point Venture Manager Reports for the Month of May 2025

Board Meeting: June 26, 2025

Reviewed By: G Connell
Date: 6.17.25

POINT VENTURE EXECUTIVE SUMMARY
June 26, 2025 Meeting

Previous Meeting Action Item Status

Item	Location	Description	Status
Sheet Metal Repair	WTP	Repair to pump room side wall – pending check valve repair	Repair date TBD
Disposal of chemicals	WTP	Transportation & Disposal of chemicals by Clean Management Environmental Group	Pickup to be scheduled
Leak on check valves on both transfer pump lines	WTP	Core & Main provided 2 quotes: One for full replacement of the swing check valve and one for replacement parts	Provided info to Mark V for review
Inframark -Hydrant	18909 Peckham	Mark V met with Inframark to discuss repair of Clow hydrants.	Made a temporary repair with generic parts
SCADA/Raw Water Intake pumps	WTP	Alterman will get the pump amperage on the SCADA system for the Raw water intake pumps.	Completed 6/12
Reflectors/Valves	District	Street reflectors for hydrants and valve covers were repainted blue	Competed 5/27

New Item Update

Item	Location	Description	Status
Flushing	Upper pressure plane	Chlorine levels low in UPP. More than normal flushing done to get the levels corrected.	Completed
SonicWall	WTP	TNT could not provide previous password – Alterman restored	Completed 6/17
Alterman Service Agreement Renewal	WTP	$2,451/month. Quote also includes Amazon Chime VOIP Service	Needing Approval

Current Items Requiring Board Review/Approval

Core & Main	WTP	Replacement of check valve. Replacement parts only. (Does not include labor)	$4,894.96 $1,864.00
Alterman	WTP	9/01/2025-8/31/2026 – Annual Service Agreement	$32,690
Inframark Estimate	Upper Pond	Repair erosion – Pending ACP equipment removal	$4,500

Additional Items for Review

6/16/2025 Meter Update:
417 Solos in the ground (includes original 190)
A total of 108 meters of a million gallons+, have been changed out in 2025

Delinquents 6/2025:
TM: 26
LM:37

Utilimatics – Texas Engineering Firm
Proposal and Statement of Qualifications provided for review
Andrew Boyle would like to provide a brief presentation on GIS/Water Accountablity at the July 24 meeting

Chlorine Burn: Consider temporarily converting the disinfectant used in the distribution system to free chlorine (chlorine burn). This partnered with more flushing helps rid the pipes of organic matter and improves the quality of water – Informational handout provided.

Update on Plant A: We are still have to manually shut down the raw water pumps to maintain proper chemical dosing rates. Three possible solutions to eliminate manual pump shut off provided, but are not required to fully operate Plant A independently.

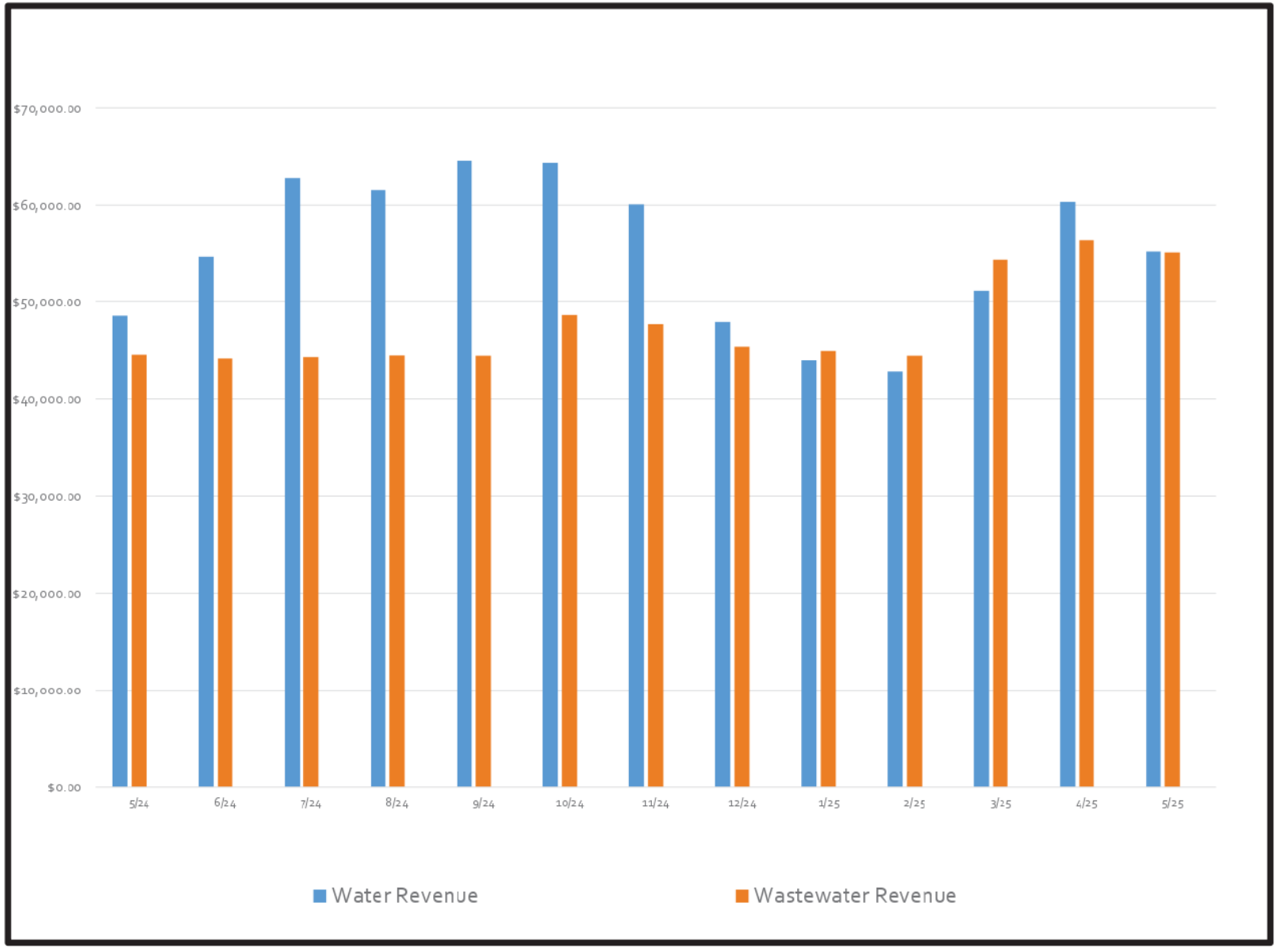
1. Install an actuated control valve
2. Install VFD's on raw water pumps
3. Implement flow-pacing on the chemical feed system

INFRAMARK
WATER & INFRASTRUCTURE SERVICES

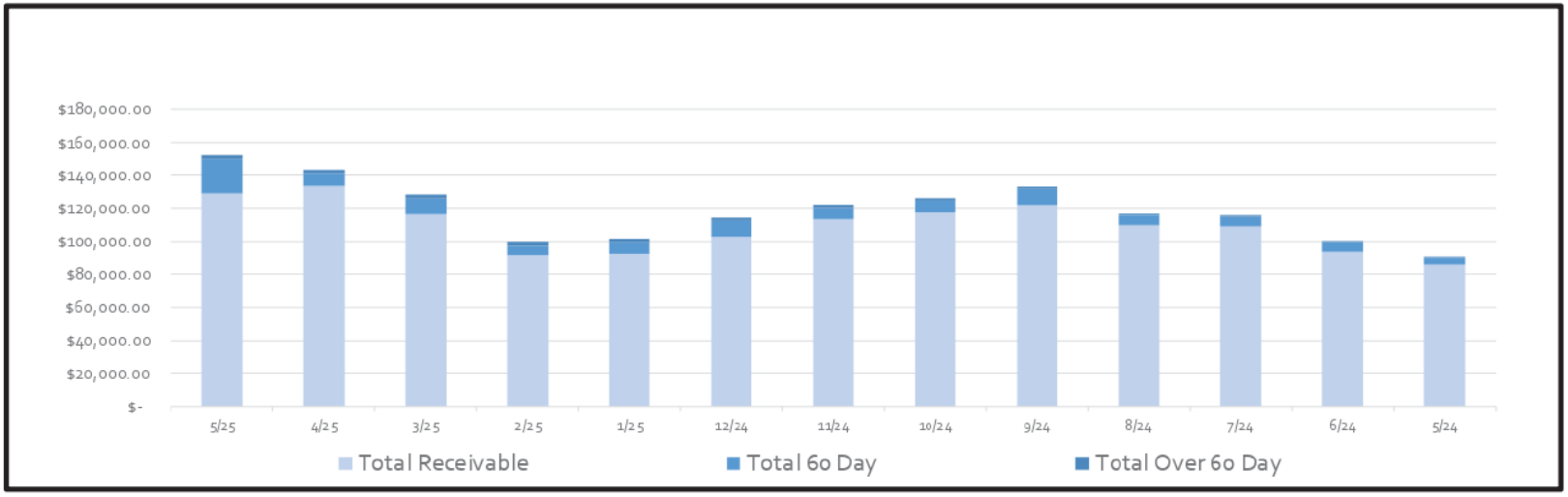
Billing Summary

Description		
		May-25
Residential		934
Commercial		41
Tracking - District Meters		11
Total Number of Accounts Billed		**986**
Residential		3,696,000
Commercial		331,000
Tracking - District Meters		152,000
Total Gallons Consumed		**4,179,000**
Residential		3,957
Commercial		8,073
Tracking		13,818
Avg Water Use for Accounts Billed		**4,238**
Total Billed	$	114,049.02
Total Aged Receivables	$	(14,897.04)
Total Receivables	$	128,946.06

12 Billing Month History Revenue by Category



12 Month Accounts Receivable and Collections Report



Date	Total Receivable	Total 60 Day	Total Over 60 Day
5/25	$ 128,946.06	$ 21,119.90	$ 2,450.30
4/25	$ 133,319.98	$ 7,473.97	$ 2,447.68
3/25	$ 116,461.34	$ 9,344.22	$ 2,451.49
2/25	$ 92,011.36	$ 5,662.55	$ 2,273.46
1/25	$ 92,856.65	$ 6,737.08	$ 2,069.27
12/24	$ 102,967.45	$ 9,632.10	$ 1,902.49
11/24	$ 113,555.90	$ 6,558.28	$ 1,914.04
10/24	$ 117,650.83	$ 6,838.69	$ 1,492.75
9/24	$ 121,916.30	$ 9,832.98	$ 1,258.49
8/24	$ 109,814.90	$ 6,155.14	$ 900.57
7/24	$ 109,144.73	$ 5,988.64	$ 771.93
6/24	$ 93,849.89	$ 5,882.32	$ 554.66
5/24	$ 86,481.80	$ 4,036.66	$ 540.03

Board Consideration to Write Off		N/A
Board Consideration Collections		N/A
Delinquent Letter Mailed	06/02/2025	26
Delinquent Tags Hung	06/07/2025	25
Disconnects for Non Payment	06/11/2025	3
Reconnected by	06/20/2025	2

INFRAMARK
WATER & INFRASTRUCTURE SERVICES

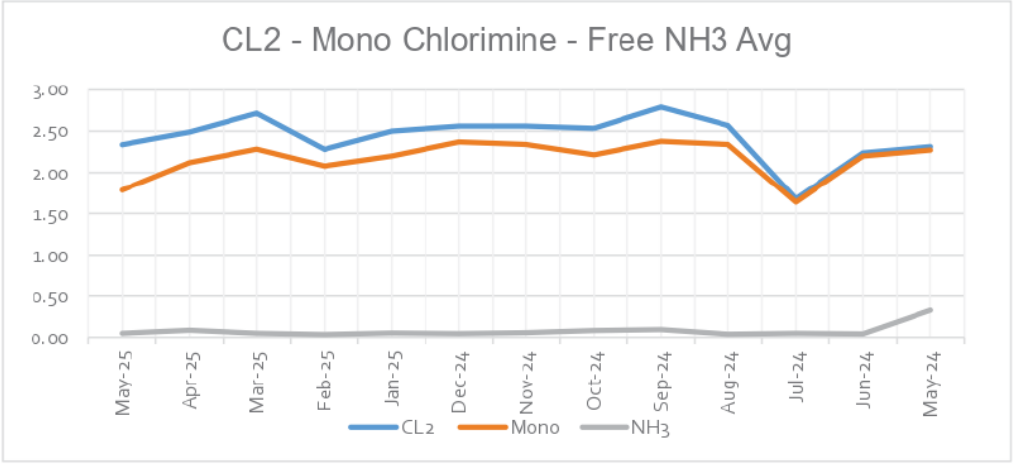
Water Production and Quality

Water Quality Monitoring

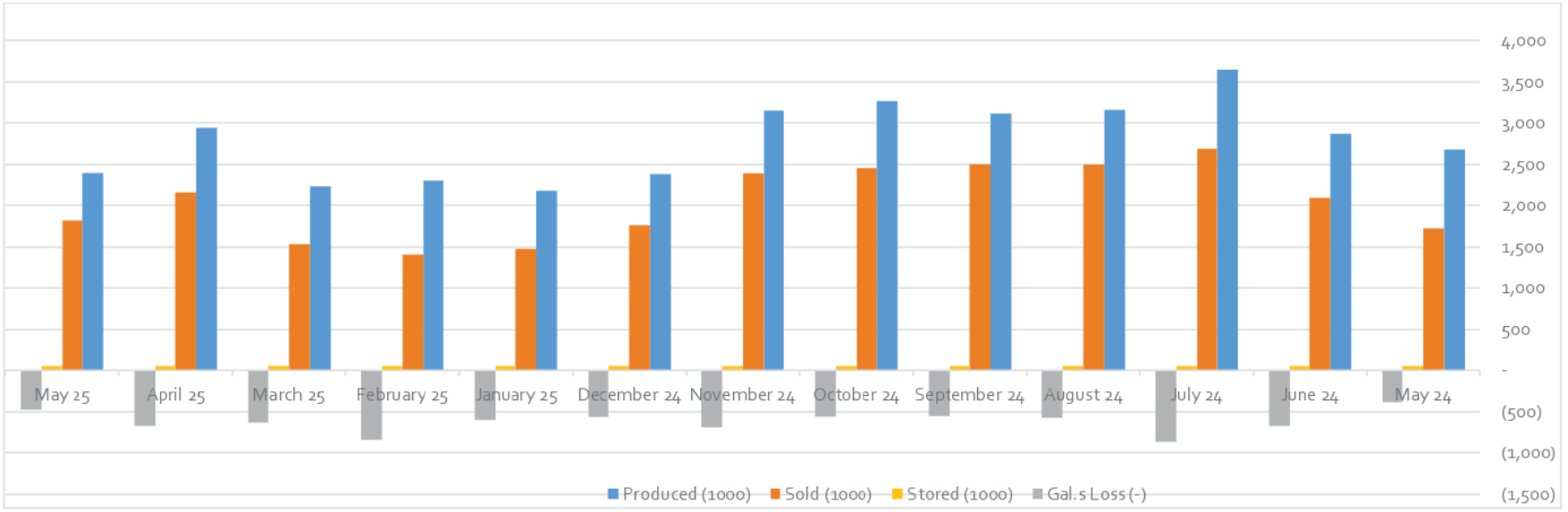
Current Annual CL2 Avg **2.43**

Requirements Min .50

Date	CL2	Mono	NH3
May-25	2.34	1.78	0.05
Apr-25	2.49	2.12	0.09
Mar-25	2.72	2.28	0.05
Feb-25	2.28	2.08	0.03
Jan-25	2.50	2.20	0.05
Dec-24	2.56	2.37	0.05
Nov-24	2.56	2.34	0.06
Oct-24	2.53	2.22	0.08
Sep-24	2.79	2.38	0.10
Aug-24	2.57	2.34	0.04
Jul-24	1.68	1.64	0.05
Jun-24	2.24	2.20	0.04
May-24	2.31	2.27	0.33

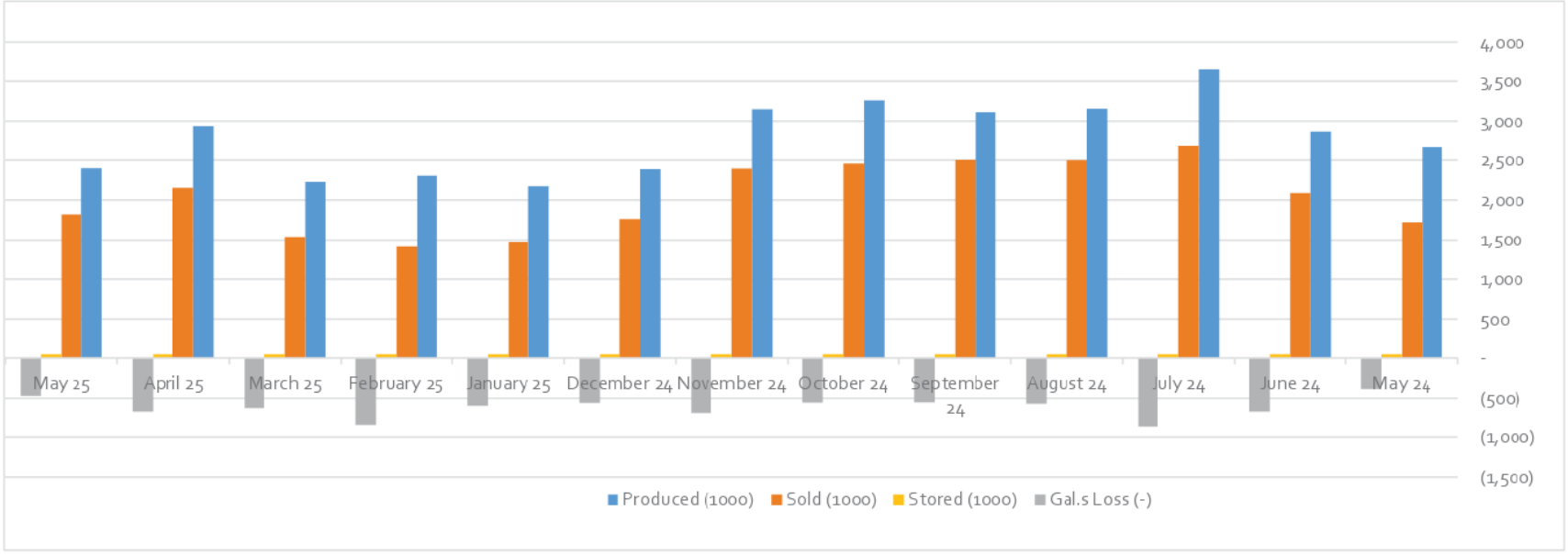


Water Accountability Report - Upper Plane



Month	Read Date	Connection Total	Produced (1000)	Sold (1000)	Stored (1000)	Flush/Leaks Loss	Gal.s Loss (-)	Accounted For %
May 25	5/20/2025	449	2,399	1,820	50	56	(473)	80.3%
April 25	4/21/2025	449	2,940	2,154	50	69.6	(666)	77.3%
March 25	3/20/2025	449	2,228	1,537	50	15.2	(626)	71.9%
February 25	2/20/2025	449	2,305	1,411	50	11	(833)	63.9%
January 25	1/17/2025	449	2,175	1,478	50	51	(596)	72.6%
December 24	12/18/2024	449	2,387	1,762	50	15	(560)	76.5%
November 24	11/20/2024	449	3,147	2,396	50	15	(686)	78.2%
October 24	10/18/2024	449	3,259	2,456	50	196.5	(557)	82.9%
September 24	9/19/2024	449	3,113	2,505	50	7.5	(551)	82.3%
August 24	8/20/2024	449	3,157	2,502	50	35	(570)	81.9%
July 24	7/22/2024	449	3,648	2,691	50	50	(857)	76.5%
June 24	6/20/2024	449	2,868	2,089	50	60	(669)	76.7%
May 24	5/20/2024	449	2,679	1,725	50	520	(384)	85.7%

Water Accountability Report - Lower Plane



Month	Read Date	Connection Total	Produced (1000)	Sold (1000)	Stored (1000)	Flushing/ Leaks	Gal.s Loss (-)	Accounted For %
May 25	5/20/2025	538	3,730	2,359	280	175.5	(916)	75.5%
April 25	4/21/2025	538	1,751	2,701	280	9	1,239	170.8%
March 25	3/20/2025	538	(882)	1,995	280	39.2	3,196	-262.4%
February 25	2/20/2025	537	2,252	1,680	280	9	(283)	87.4%
January 25	1/17/2025	535	2,813	1,918	280	25	(590)	79.0%
December 24	12/18/2024	535	3,045	2,037	280	25	(703)	76.9%
November 24	11/20/2024	535	4,671	3,081	280	25	(1,285)	72.5%
October 24	10/18/2024	535	4,320	3,415	280	50	(575)	86.7%
September 24	9/19/2024	535	3,943	3,419	280	12.5	(232)	94.1%
August 24	8/20/2024	534	4,050	3,235	280	62.5	(473)	88.3%
July 24	7/22/2024	532	4,429	3,397	280	40	(712)	83.9%
June 24	6/20/2024	533	4,054	2,871	280	170	(733)	81.9%
May 24	5/20/2024	533	3,437	2,230	280	325	(602)	82.5%

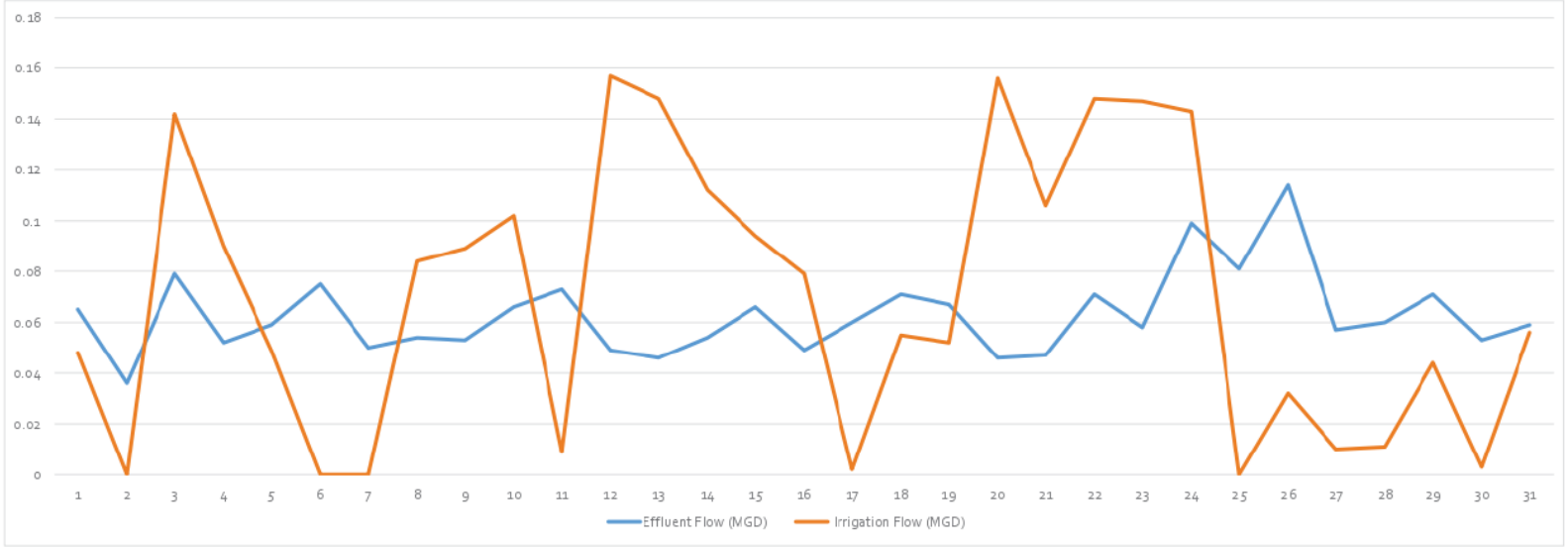
*** FINISHED WATER METER NOT WORKING PART OF FEBRUARY, ALL OF MARCH & PART OF APRIL ACCOUNTABILITY PERIODS**

*** FINISHED WATER METER REPLACED 4/11/25**

INFRAMARK
WATER & INFRASTRUCTURE SERVICES

Wastewater Production and Quality

Wastewater Flows for May



Wastewater Treatment Permit Summary - May

		PERMIT	ACTUAL	COMPLIANT	PERCENT
Avg. Treated Flow	MGD	0.1	0.063	Yes	62.6%
Avg. Irrigation Flow	MGD	0.1	0.070	Yes	69.9%
Avg. BOD	mg/L	10.0	8.3	Yes	
E. coli	mpn/100 ml.	126.0	328.0	No	
Avg. TSS	mg/L	15.0	5.3	Yes	
MIN. PH	STD UNITS	6.0	7.3	Yes	
MAX . PH	STD UNITS	9.0	7.9	Yes	

Point Venture Wastewater Flow Historical

Date	Connections	Total Flows	Average Daily Flows	WWTP Capacity %	Effluent Use
May-25	986	1,750,000	63,000	63%	2,170,000
Apr-25	986	1,750,000	58,000	58%	1,660,000
Mar-25	986	1,790,000	58,000	58%	1,970,000
Feb-25	985	1,510,000	54,000	54%	1,340,000
Jan-25	984	1,710,000	55,000	55%	1,730,000
2025 Totals		3,220,000	109,000		3,070,000
Dec-24	984	1,880,000	61,000	61%	1,940,000
Nov-24	984	1,870,000	62,000	62%	1,750,000
Oct-24	984	1,780,000	57,000	57%	3,370,000
Sep-24	982	1,820,000	61,000	61%	2,500,000
Aug-24	981	1,910,000	62,000	62%	4,700,000
Jul-24	982	2,370,000	76,000	76%	4,690,000
Jun-24	982	2,030,000	65,000	68%	3,080,000
May-24	982	2,030,000	65,000	65%	2,320,000
Apr-24	982	2,100,000	68,000	70%	2,730,000
Mar-24	981	2,200,000	71,000	71%	1,510,000
Feb-24	981	1,750,000	60,000	60%	2,750,000
Jan-24	981	2,050,000	66,000	66%	1,880,000
2024 Totals		15,890,000	594,000	67%	26,160,000
Dec-23	981	2,010,000	65,000	65%	2,170,000
Nov-23	981	1,980,000	66,000	66%	1,250,000
Oct-23	980	1,890,000	61,000	61%	2,430,000
Sep-23	980	1,940,000	65,000	65%	3,570,000
Aug-23	980	1,850,000	60,000	60%	5,660,000
Jul-23	981	1,970,000	60,000	64%	5,680,000