WCID-Point Venture Engineering Committee Meeting

Teams/Online Meeting July 2,2025 1:00 pm -1:30 pm

Attendees:

Mark Villemarette and James Kleiss/WCID-Point Venture Engineering Committee (EC)
Mike Bevilacqua and Will Pena/Baxter and Woodman, Augusta Standpipe Replacement (ASR) Project

Primary Purpose:

To request additional information from B&W to support the EC's recommendation to the full Board, primarily for ASR location, capacity, and type.

Notes:

Refer to the B&W slides used at the June 26 Board Meeting where noted.
Refer to June 2023 TriHydro Water Master Plan where noted.

Minutes below not necessarily in order discussed.

EC asked that Option 4, (slide 17, single tank for Upper and Lower plane with PRV system) be considered the lowest priority to study.
Agreed to NOT invest any further study in a new standpipe configuration.

Regarding Location - See B&W Map on slide 18 :

- Discussed general EC preference for Area "A" to be used as temporary construction use only, and Area #3 for the future ASR
- Discussed advantage of A and 3 in that there would be no impact to TownHome Assc. and Village organizations.
- (Post meeting note: the POA impact of clearing out the boats from area A and 3 before ASR construction is assumed)
- B&W mentioned that A and 3 were preferred by tank construction firms.

Discussed demolition costs for existing ground storage tank/standpipe.

-agreed to consider as a separate project, later, TBD
- discussed expectation that scrap metal value will only cover part of demo costs

Discussed possibility of B&W (or their sub?) performing an internal inspection of the existing spheroid tank (that serves the upper pressure plane).
B&W to review the August EST Rehabilitation cost estimate in the WMP to determine if an updated cost estimate is necessary. B&W will also provide cost estimates for tank inspections and review if there are non-invasive measures that can be used to inspect the tank without the need to take it offline (i.e. Could be done with robotic equipment).

The purpose is to determine its condition and whether there is an engineering and/or compliance need for re-coating it (or is it a "honey-do" type project) and thus better compare cost scenarios.

Miscellaneous:
EC to provide B&W weblink to view WTP/Water Storage info.
Discussed intake barge, anchoring problems, possible need for engineering review to harden it, and B&W to share engr. contact

B&W agreed to provide the EC the following information several days before the July 24 Board Meeting:

Most importantly: More refined cost estimates, including life cycle costs to compare for the following:

- See Slide 16 and 18.
    - Assume Map area #3
- Option 1/200,000 gallon Spheroid and Composite
    - And add fire fighting scenario to compare to Option 3 fire fighting scenario.
        - B&W will evaluate how long storage will last under fire fighting scenario assuming different options: no system demand, average system demand, and peak hour demand.
        - B&W will also evaluate how long storage will last under average day demand to determine much time is available to have a High Service Pump repaired or replaced.
- Option 3/250,000 gallon Spheroid and Composite

Regarding existing High Service pumps at the WTP:
-Agreed there is enough data and manufacturer information about the pumps in hand to confirm or deny that they can pump sufficiently for the various new tank options. (B&W Slide 6)

Desired for EC cost comparisons between the 200,000 gallon, 250,000 gallon, composite or spheroid etc..

Regarding the "AUGUSTA PUMP STATION" (see Water Master Plan)
- B&W will account for the future, higher inlet pressure that will exist at the inlet/suction side of the pumps that draw from the future ASR and pump into the existing Spheroid elevated water tank serving the upper Pressure Plane. The purpose will be to determine if the existing Augusta Pump Station will benefit enough from the higher inlet pressure to be deemed adequate or not once a new ASR is in place.

BAXTER & WOODMAN Consulting Engineers

11a

Technical Memorandum

Date:	July 18, 2025
To:	Mr. Mark Villemarette & James Kleiss Travis County WCID Point Venture
From:	Michael Bevilacqua, P.E. – Baxter & Woodman
Project No.	TWCID - 2401747
Subject	**Augusta Standpipe Replacement – Tank Cost & Pump Evaluation**

Baxter & Woodman (B&W) and the WCID Point Venture Engineering Committee (EC) met on Wednesday July 2nd to discuss the referenced project following the June 2025 Board Meeting presentation. During the meeting the EC requested that B&W:

1. Provide more refined cost estimates, including life cycle costs, to compare the 200,000 gallon (Option #1) versus the 250,000-gallon (Option #2) proposed tank sizes. The 250,000-gallon tank size was previously listed as Option #3 at the June 2025 Board Meeting. The 300,000-gallon tank was presented as Option #2. Based on discussions at the meetings, the 200,000 and 250,000-gallon options are the primary sizes being considered at this time; therefore the 250,000-gallon tank will be considered Option #2 moving forward.
2. Provide an evaluation showing how long storage will last under fire demand scenarios with different system demands; and evaluate how long storage will last under average and maximum day demands to determine how much time is available to have a High Service Pump (HSP) repaired or replaced.
3. Determine if the existing HSPs can pump sufficiently under the new tank conditions.
4. Evaluate the Augusta Transfer Pump Station (ATPS) to determine if the existing pumps can now meet TCEQ minimums with the lower static head conditions that will be present with the new tank conditions.
5. Review the Augusta EST Rehabilitation cost in the Water Master Plan (WMP) to determine if an updated cost estimate is necessary. Also, provide cost estimates for a tank inspection and review if there are non-invasive measures that can be used to inspect the tank without the need to take it offline. Lastly, evaluate if the rehabilitation project is required for engineering and/or compliance reasons, or is it a “honey-do” type project.
6. Review demolition costs for the existing ground storage tank.

The purpose of this memorandum is to summarize the results of our evaluation of the six (6) items above.

PROPOSED TANK COST ANALYSIS

A life cycle cost analysis (LCCA) was completed for a 0.20-million gallon (MG) and 0.25 MG tank for both the spheroid and composite tank styles. The LCCA is based on cost estimates provided by Caldwell Tanks, Phoenix Fabricators, and Landmark, and assumes a 105-ft tall tank. Further details about what is included in the LCCA, and the assumed 60-year life cycle is provided in notes 1 and 2 below the summary table. This LCCA is based on the current stage of the preliminary design phase and the proposed tank being constructed on site option #3 (18604 Venture Blvd) with site 'A' (18613 Staghorn Drive) being used as storage and staging as presented at the June 2025 Board Meeting. Costs are in 2025 dollars.

Proposed Tank Life Cycle Cost Analysis[1]

Nominal Tank Size	Spheroid	Composite	Δ (Composite – Spheroid)
200,000-gallon Total Costs: (Option #1)	**$3,740,000**	**$4,530,000**	**$790,000**
Construction Costs	$3,000,000	$3,970,000	$970,000
LC Costs[2]	$740,000	$560,000	-$180,000
250,000-gallon Total Costs: (Option #2)	**$4,190,000**	**$4,770,000**	**$580,000**
Construction	$3,290,000	$4,100,000	$810,000
LC Costs[2]	$900,000	$670,000	-$230,000
Δ (Option #2 and #1)	**$450,000**	**$240,000**	

1) The preliminary costs listed are for the tank only and include a typical ring wall foundation (4-ft typ., no deep foundation or drilled piers), interior and exterior coatings, painted logo, standard accessories (ladders, manways, vents, roof handrail and hatch), safety climbing system, provisions for antennas, containment system for painting, and tank engineering. The costs do not include yard piping, electrical & instrumentation, E&S controls, site work, etc.

2) The LCCA assumes a 60-year life expectancy, with the assumption a new tank will be installed in year 60 (new tank cost in year 60 are not included in the above costs). For spheroid and composite, the wet interior is sand blasted and recoated every 15-years (R&R), or 3x over the life of the tank. The dry interior of the spheroid and exterior metal of the spheroid and composite are touched-up and recoated (OC) at the 15-year mark and 45-year mark, and sand blasted and recoated (R&R) at the 30-year mark. LC costs only include the metal structure. No appurtenances were included.

PROPOSED TANK STORAGE EVALUATION

An evaluation was completed to determine how long storage will last under different scenarios and demands. The 1st scenario evaluates fire flow and system demands. This 1st scenario has two (2) sub-scenarios that were evaluated: one assuming the HSPs are not operating and the second assuming one (1) HSP operates at 500-gpm. The 500-gpm rate is the anticipated operating point of the high service pump with the new tank under maximum static head system conditions. Cells highlighted in yellow illustrate the tank emptying before 2-hours. Summary tables are provided below.

TANK STORAGE EVALUATION – TIME UNTIL EMPTY
(WITH FIRE FLOW DEMAND, NO HSPS RUNNING)

						OPTION #1 (0.20 MG)		OPTION #2 (0.25 MG)	
Demand Scenarios	**System Demand (gpm/LUE)**	**System Demand (gpm[1])**	**Fire Flow Demand (gpm)**	**Total Demand (gpm)**	**HSP production (gpm)**	**Minutes Until Tank is empty**	**Hours Until Tank is empty**	**Minutes Until Tank is empty**	**Hours Until Tank is empty**
0% Avg Day Demand	0.000	0	1,000	1,000	0	200	3.33	250	4.16
50% Avg Day Demand	0.093	111	1,000	1,111	0	180	3.00	225	3.75
100% Avg Day Demand	0.185	221	1,000	1,221	0	164	2.73	205	3.41
Maximum Day Demand	0.648	772	1,000	1,772	0	113	1.88	141	2.35
Peak Hour Demand	1.181	1,406	1,000	2,406	0	83	1.38	104	1.73

1. At full build-out (1190 LUEs).

TANK STORAGE EVALUATION – TIME UNTIL EMPTY
(WITH FIRE FLOW DEMAND, ONE (1) HSP RUNNING)

						OPTION #1 (0.20 MG)		OPTION 2 (0.25 MG)	
Demand Scenarios	**System Demand (gpm/LUE)**	**System Demand (gpm[1])**	**Fire Flow Demand (gpm)**	**Total Demand (gpm)**	**HSP[2] production (gpm)**	**Minutes Until Tank is empty**	**Hours Until Tank is empty**	**Minutes Until Tank is empty**	**Hours Until Tank is empty**
0% Avg Day Demand	0.000	0	1,000	1,000	500	400	6.66	500	8.33
50% Avg Day Demand	0.093	111	1,000	1,111	500	327	5.45	409	6.81
100% Avg Day Demand	0.185	221	1,000	1,221	500	277	4.62	347	5.77
Maximum Day Demand	0.648	772	1,000	1,772	500	157	2.62	197	3.27
Peak Hour Demand	1.181	1,406	1,000	2,406	500	105	1.74	131	2.18

1. At full build-out (1190 LUEs).
2. HSP production assumes maximum static head conditions.

The 2nd scenario evaluates how long the storage will last under the average day and maximum day demands to determine how much time is available to repair or replace one (1) HSP. Like the 1st scenario, two (2) sub-scenarios were evaluated, one assuming the HSPs are not operating and the second assuming one (1) HSP operates at 500-gpm. Summary tables are provided below.

TANK STORAGE EVALUATION – TIME UNTIL EMPTY
(AVERAGE AND MAXIMUM DAY CONDITIONS, NO HSPS RUNNING)

				OPTION #1 (0.20 MG)		OPTION #2 (0.25 MG)	
Demand Scenarios	**System Demand (gpm/LUE)**	**System Demand (gpm[1])**	**HSP production (gpm)**	**Minutes Until Tank is empty**	**Hours Until Tank is empty**	**Minutes Until Tank is empty**	**Hours Until Tank is empty**
100% Avg Day Demand	0.185	221	0	905	15	1,131	18
Maximum Day Demand	0.648	772	0	259	4	324	5

1. At full build-out (1190 LUEs).

TANK STORAGE EVALUATION – TIME UNTIL EMPTY
(AVERAGE AND MAXIMUM DAY CONDITIONS, ~~NO HSP'S RUNNING~~) ONE HI SERV. PUMP RUNNING

				OPTION #1 (0.20 MG)		OPTION #2 (0.25 MG)	
Demand Scenarios	**System Demand (gpm/LUE)**	**System Demand (gpm[1])**	**HSP[2] production (gpm)**	**Minutes Until Tank is empty**	**Hours Until Tank is empty**	**Minutes Until Tank is empty**	**Hours Until Tank is empty**
100% Avg Day Demand	0.185	221	500	Infinite	-	Infinite	-
Maximum Day Demand	0.648	772	500	735	12	919	15

1. At full build-out (1190 LUEs).
2. HSP production assumes maximum static head conditions.

HIGH SERVICE PUMP EVALUATION

The existing High Service Pump Station (HSPS) has two (2) existing RuhRPumpen vertical turbine pumps, Model 10G-H, 5 stages, and 50-HP motor, that pump from the existing water treatment plant's (WTP) clearwell to the Lower Pressure Plane's (LPP) existing ground storage tank (GST). The existing LPP GST has a water elevation range of approximately 56-ft (822 to 878). The existing High Service Pumps (HSP) are each rated for approximately 660-gpm at 194-ft TDH under existing system conditions at average static head. The existing HSPs pump a total of approximately 825-gpm at 240-ft TDH at average static head when both pumps are running.

The new LPP elevated storage tank (EST) to be installed will have a maximum water elevation approximately 48-ft higher than the existing LPP GST, with a range from 896 to 926. The new LPP EST has a higher water elevation than the existing LPP GST to increase pressures in the LPP. The new LPP EST will increase the static head on the existing HSPS which results in a reduced pumping capacity. Due to this increase in static head, the existing HSPs are anticipated to operate at approximately 560-gpm at 218-ft TDH under average static head conditions with one pump running, and at 685-gpm at 246-ft TDH when both pumps are running under average static head conditions. At full build-out conditions (1,190 LUEs), the existing HSPS are required to pump a minimum of 714-gpm (0.6-gpm per LUE when providing 200 gallons per LUE of elevated storage per TAC 290.45(D)(b)(2)(F)).

A summary of the pump operating points under different static head conditions is below. A graph of the system and pump curves is provided in Attachment A. A pipe roughness coefficient (C Value) of 130 was assumed in this analysis.

HSP Summary – Existing Conditions (Existing LPP GS)

	1 Pump On		2 Pumps On	
Static Head Conditions	Flow (gpm)	TDH (ft)	Flow (gpm)	TDH (ft)
Maximum	625	208	760	243
Average	660	194	825	240
Minimum	700	188	875	237

HSP Summary – Proposed Conditions (New LPP EST)

	1 Pump On		2 Pumps On	
Static Head Conditions	Flow (gpm)	TDH (ft)	Flow (gpm)	TDH (ft)
Maximum	500	230	590	250
Average	560	218	685	246
Minimum	630	206	765	243

Under the proposed maximum and average static head conditions, the HSPs will not meet the TCEQ minimum pumping criteria of 714-gpm. A field test to observe the pumps operating and the associated discharge pressures is recommended, followed by discussions between B&W and the EC. The HSP review does not affect the selection of the proposed tank size since the HSPs are affected by the tank height and not the proposed volume.

AUGUSTA TRANSFER PUMP EVALUATION

The Augusta Transfer Pump Station (ATPS) pumps water from the LPP's existing GST to the Upper Pressure Plane's (UPP) existing EST. The existing Augusta transfer pumps (ATP) are Berkley Pumps, Model B3TPMS, with a 20-HP motor and 6.5" impeller.

The existing ATPS has two (2) existing pumps that are each rated for approximately 475-gpm at 140-ft TDH under average static head conditions. A pipe roughness coefficient (C Value) of 130 was assumed for this evaluation.

The existing LPP GST has a water elevation range of approximately 56-ft (822 to 878). The existing UPP EST has a water elevation range of approximately 20-ft (939.5 to 959.5). The new LPP elevated storage tank (EST) to be installed will have a maximum water elevation approximately 48-ft higher than the existing LPP GST, with a range from 896 to 926. Upon completion of this new LPP EST, the static head and total dynamic head (TDH) required for the ATP will be significantly lower due to the elevations of the new LPP EST and a larger diameter suction line being installed. The larger diameter suction line is being installed to ensure velocity and net positive suction head (NPSH) requirements are accounted for when the future ATPS improvements are constructed. Under the new, reduced head conditions, the existing pumps would operate beyond the pump's capabilities (off the pump curve). A graph of the system and pump curves is provided in Attachment B.

The ATPS was noted in the WMP to be upgraded to meet TCEQ minimum criteria of 1,000-gpm. Since this was a planned capital improvement project and the existing pumps will not be able to meet the revised system conditions, the ATSP Improvement project can be selected to start design, or, a temporary pressure sustaining valve can be installed at the pump station to mechanically create additional head under the new system conditions so the existing pumps can operate under their current capabilities until the ATSP project is desired.

EXISTING AUGUSTA EST REHABILITATION REVIEW

B&W has reviewed the tank inspection report for the existing UPP EST completed by US Underwater Services, LLC dated June 2020. The report provided four (4) action items for the UPP EST: three (3) were to label certain entry points as a confined space entry and the fourth was to remove sediment from the floor plate. The report noted the tank was generally in good condition with light staining on the interior. Sand blasting & recoating and/or touch-ups on the interior and exterior of the tank were not recommended in that report.

We have also reviewed the 2015 report for the UPP EST completed Ron Perrin Water Technologies dated 12/7/2015. This 2015 report noted the interior to be in fair condition with corrosion on the ceiling, along weld seams, and hard staining on the walls near the high-water mark. This 2015 report provided more interior pictures than the 2020 report. The 2015 report and pictures indicate the tank may be in a more "fairer" condition than the "good" condition noted in the 2020 report.

The 2015 and 2020 reports do not indicate an immediate need for the tank to be rehabilitated. However, the last report is 5-years old and the rust and corrosion will continue to get worse and deteriorate the condition of the tank which will eventually result in a structural and/or compliance need for the tank to be rehabilitated, repaired, or replaced. In addition, tanks need to be rehabbed periodically to ensure they reach their full life expectancy. This analysis assumes no other report is available between 2020 and now, and no action was taken to address those rust and corrosion spots between 2015 and now. If action was taken between 2015 and now, or another report after 2020 is available, B&W would request to review that information and update our analysis. Each tank should be inspected annually by the water system personnel or a contracted inspection service per TAC 290.46(m)(1).

To properly evaluate if the EST rehabilitation project is required, and to determine the full scope of the rehabilitation project, an updated inspection should be completed. B&W can provide tank inspection services. B&W can perform the tank inspection using a remote operated vehicle (ROV) to inspect the interior of the tank without the need to take the tank offline. Our tank inspection services include in-person inspection of the exterior, ROV interior inspection, drone footage, and report. The inspection and report will include an evaluation of coatings, metal deficiencies and overall condition of the tank and appurtenances. The estimated budget for these services is approximately $11,500.

B&W has recently completed two (2) tank rehabilitation projects for Montgomery County WCID No. 1 (August 2024) and Harris County WCID No. 16. (October 2024). Both projects were for rehabilitation of a 250,000-gallon spheroid (pedestal) style tank. Although each project had different and project specific components, the average 2024 construction costs for the projects were approximately $250,000 and included rehabilitation of the interior, exterior and appurtenances. While this might indicate a potential for lower construction costs and total project costs (engineering, inspections, contingency, etc.) than indicated in the WMP ($961,000 total project cost listed in WMP), other factors such as location, site constraints, tank height, and scope can affect project pricing. It is recommended to get an updated inspection report and use that to coordinate with rehabilitation contractors to get complete updated project cost estimates.

EXISTING AUGUSTA GST DEMOLITION REVIEW

After completion of the new LPP EST, the existing LPP GST will no longer be needed and can be taken out of operation. The existing LPP GST can either remain in place and out of operation or demolished and removed from the site.

The opinion of probable construction cost (OPCC) for the new LPP storage tank in the WMP had an approximate cost of $147,000 for demolition of the existing tank and foundation. We reviewed recent bid tabulations from previous B&W projects and tank demolitions ranged from $50,00 to $285,000. One local contractor estimated approximately $175,000 for this tank demolition.

Tank demo costs can vary based on the availability of contractors, timing of the demolition (i.e. can the tank builder use their crane to demo the tank while their crane is on site), and method used. For example, one tank builder might complete the work themselves while another might sub-contract the work to a demolition company.

It is currently recommended to keep the tank demolition included with the new tank project and be its own line item on the bid proposal sheet. Once bids are received, we can review and discuss to determine if it's desired to keep or remove it from the contract.

Please let us know if there are any additional questions or information needed.

Sincerely,

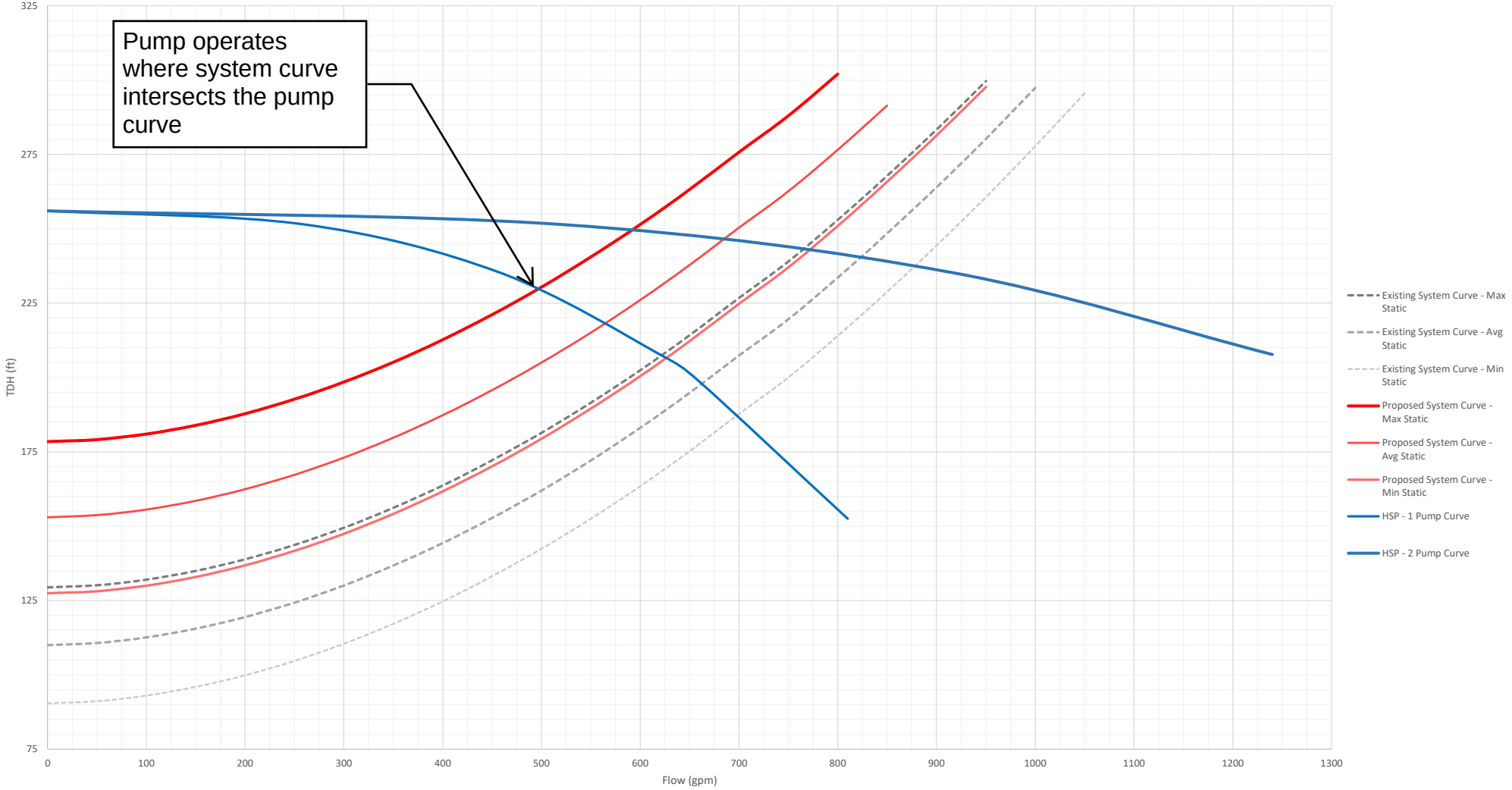
7/18/2025

Michael Bevilaqua, P.E.
BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS

Texas Registered Engineering Firm F-21783

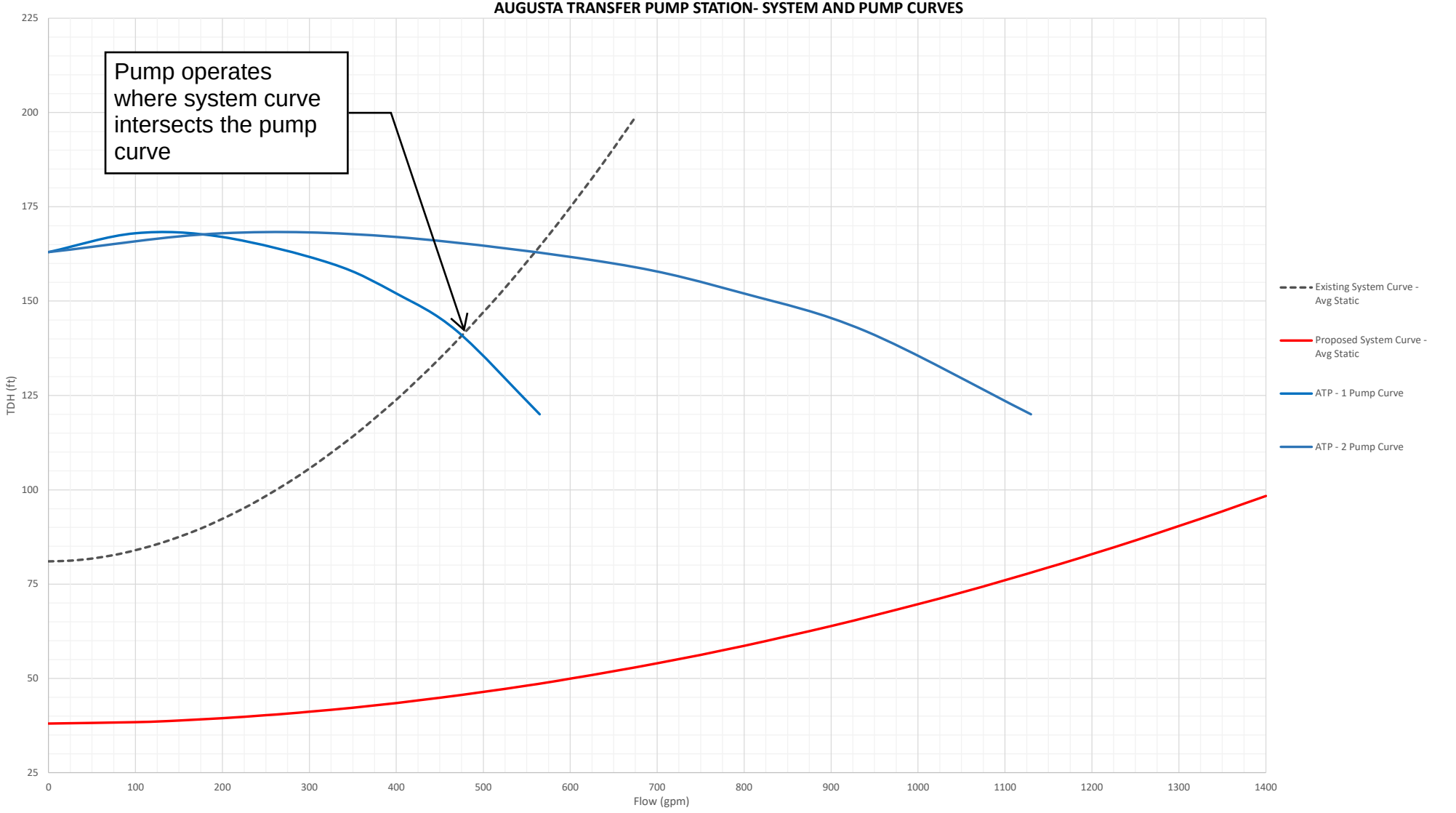
11a

ATTACHMENT A
HIGH SERVICE PUMP STATION - SYSTEM AND PUMP CURVES



11a

ATTACHMENT B
AUGUSTA TRANSFER PUMP STATION- SYSTEM AND PUMP CURVES



memorandum

To: Travis County W.C.&I.D. Point Venture Board
From: Derek Klenke, P.E. & David Vargas, P.E. – Trihydro
Date: July 24, 2025
Re: July 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

No current engineering issues to report.

B. Distribution and Storage

Jul. 16: Trihydro corresponded with the District on providing any recent inspection reports for the Augusta EST.

II. Wastewater System

A. Wastewater Treatment Plant

No current engineering issues to report.

B. Collection

No current engineering issues to report.

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 (43.1% invoiced)

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

Project Status:

- TLAP (Texas Land Application Permit) Renewal: No new updates.

BOND PROGRAM

MONTHLY STATUS REPORT

July 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:

Attachment No. 1 - WCID Point Venture Bond Program Schedule

Attachment No. 2 - WCID Point Venture Bond Program Summary Budget

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 (49.2% invoiced)

Contractor: Associated Construction Partners (ACP)
Subcontractors: ND Construction (ND); Alterman

Notice to Proceed: Monday, October 23, 2023
Substantial Completion: Saturday, May 9, 2026 (69% complete)
Final Completion: Monday, June 8, 2026
Construction Cost: $11,033,218.99 (70% complete)

Project Status:

Administration:

- Jul. 2, Trihydro reviewed pay application #20 and recommended payment.
- Jul. 2 Terracon 7-Day Concrete Compressive Strength Test Report w/ Deviations
- ACP is slightly ahead of schedule.

Construction:

- Concrete poured chemical feed building, filter, & NPW hydropnuematic tank foundations, generator equipment pad, and WHLS electrical rack pad.
- Installed PPB-4 & IPB-3.
- Installed panel equipment on WHLS electrical rack.
- Installed ground ring for chemical feed building foundation.
- Installing conduits, grounding, & rebar for duct banks ‘D’ & ‘E’.
- Installing above-grade conduits for televalve structure, clarifier, headworks, & aeration.
- Installed piping, pumps, guide rails, anchor, floats, & chains inside WHLS wet well.
- Installed saddle taps inside WHLS valve vault.
- Installed 6” vent piping for plant lift station wet well.
- Installed stainless steel screen baskets for each effluent transfer vertical turbine pump.
- Installed 6” drop connection for manhole B2.

- Grouted joints and pipe inlets inside manholes B1 & B2.
- Passed hydrostatic testing for televalve structure.
- Obtained pre-fab measurements of piping inside sludge holding basin.
- CMU blocks for chemical feed building & RAS meter delivered.
- Installing 2" & 4" WAS piping.
- Installed compacted base for two aeration stair landing pads.
- Installed valve box in televalve structure top slab.
- Installed permanent 2" pvc equipment washdown water line for existing plant & removed temporary 2" water line.

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.

14

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.:	20	**Application Date:**	6/30/2025
Application Period:	**From** 6/1/2025	**to**	6/30/2025

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)					$	7,680,071.63
5. Retainage						
a.	5%	X	$ 7,680,071.63	Work Completed	$	384,003.58
b.	0%	X	$ 1,157,738.99	Stored Materials	$	-
c. Total Retainage (Line 5.a + Line 5.b)					$	384,003.58
6. Amount eligible to date (Line 4 - Line 5.c)					$	7,296,068.05
7. Less previous payments (Line 6 from prior application)					$	6,897,022.60
8. Amount due this application					$	399,045.45
9. Balance to finish, including retainage (Line 3 - Line 4)					$	3,353,147.36

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:** 6/30/2025

Recommended by Engineer		**Approved by Owner**	
By:		**By:**	
Title:	Project Manager	**Title:**	President, Board of Directors
Date:	07/02/2025	**Date:**	07/24/2025

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

Board Meeting: July 24, 2025

Reviewed By: G Connell
Date: 7.11.25

POINT VENTURE EXECUTIVE SUMMARY
July 24, 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
Erosion	Near upper pond	Repair erosion	Completed week of 7/21

New Item Update

Item	Location	Description	Status
Alterman Wiring Quote	WTP	Alterman provided a quote to run conduit from the finished turbidity meter to the PLC and program the meter on the PLC	Approval Requested
Leak on check valves on	WTP	Core & Main provided 2 quotes: One for full replacement of the swing check valve and one for replacement parts	Approval Requested
Security Camera	Barge	Dyezz has provided a quote to add a camera on a pole at the bottom of the steps to the barge-will not be tied into the other District cameras but can be viewed on smart devices. Inframark to install the 10 ft. pole for this camera.	Approval Requested
New Merchant Agreement	District Billing	Inframark will be migrating all AVR districts to Starnik via Chase Bank, which will require a Merchant Attestation and Email Verification Affidavit	Requiring Signature
I & I (Inflow & Infiltration)	District	Stormwater infiltrated the collection system July 3-4. The one pump at the WHLS could not keep up & there was a spill of approx. 6k gallons of sewer water(UD filed). There was an overflow of approx. 50k gallons from the effluent tank (UD filed).	

Current Items Requiring Board Review/Approval

Item	Location	Description	Status
Core & Main	WTP	Replacement of check valve. Replacement parts only. (Does not include labor)	$4,894.96 $1,8684.00
Dyezz	Barge Camera	$350 – 180-degree camera & $350/yr data plan Inframark to install 10 ft. pole	$699.98
Alterman	PLC	Quote for wiring the turbidity meter	$3,028.00

Additional Items for Review

7/16/2025 Meter Update:
430 Solos in the ground (includes original 190)
A total of 123 meters of a million gallons+, have been changed out in 2025

Delinquents 7/2025:
TM: 38
LM:26

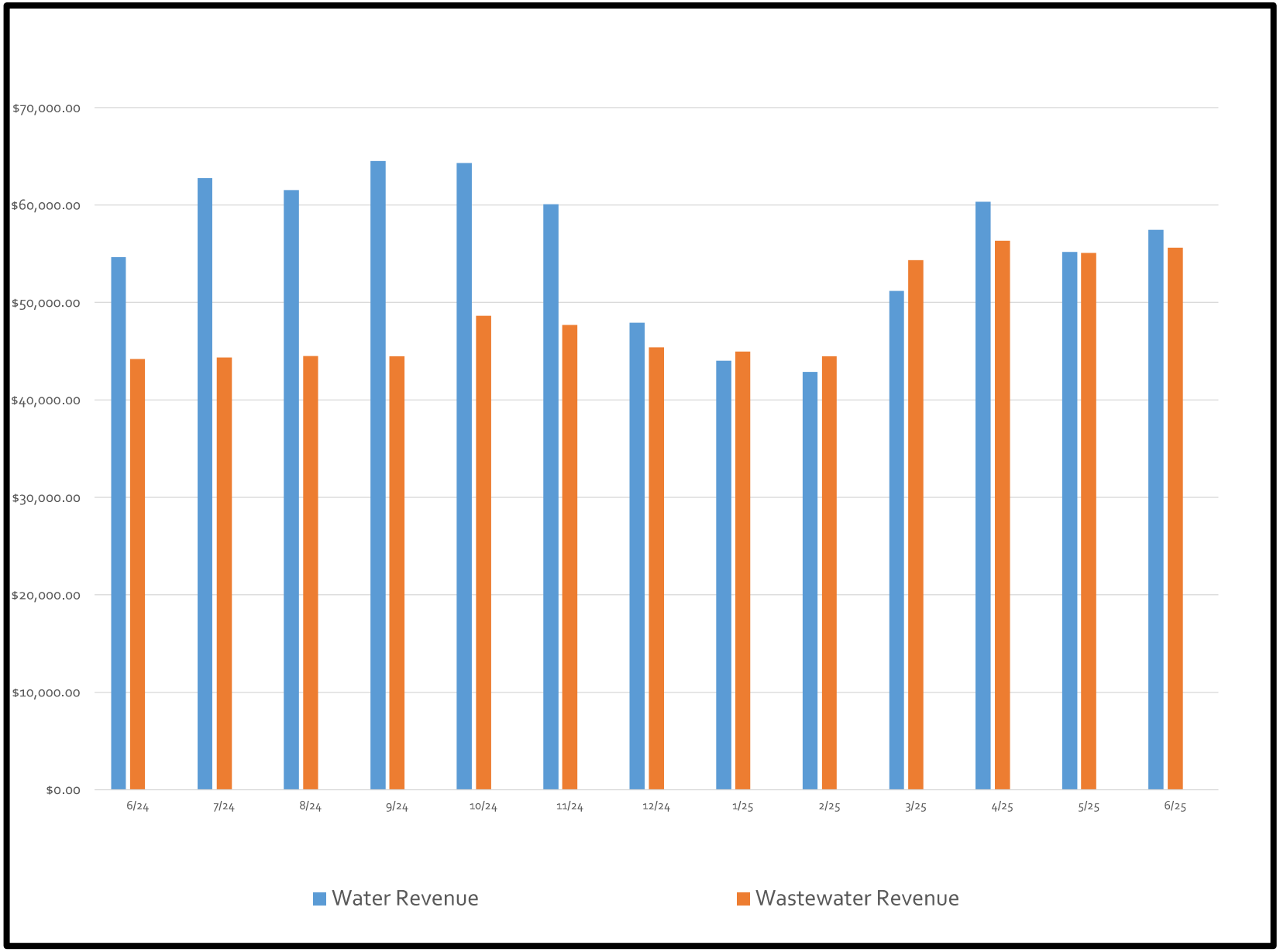
Water Accountability - UPP: 85.4%LPP: 96.3%

INFRAMARK
WATER & INFRASTRUCTURE SERVICES

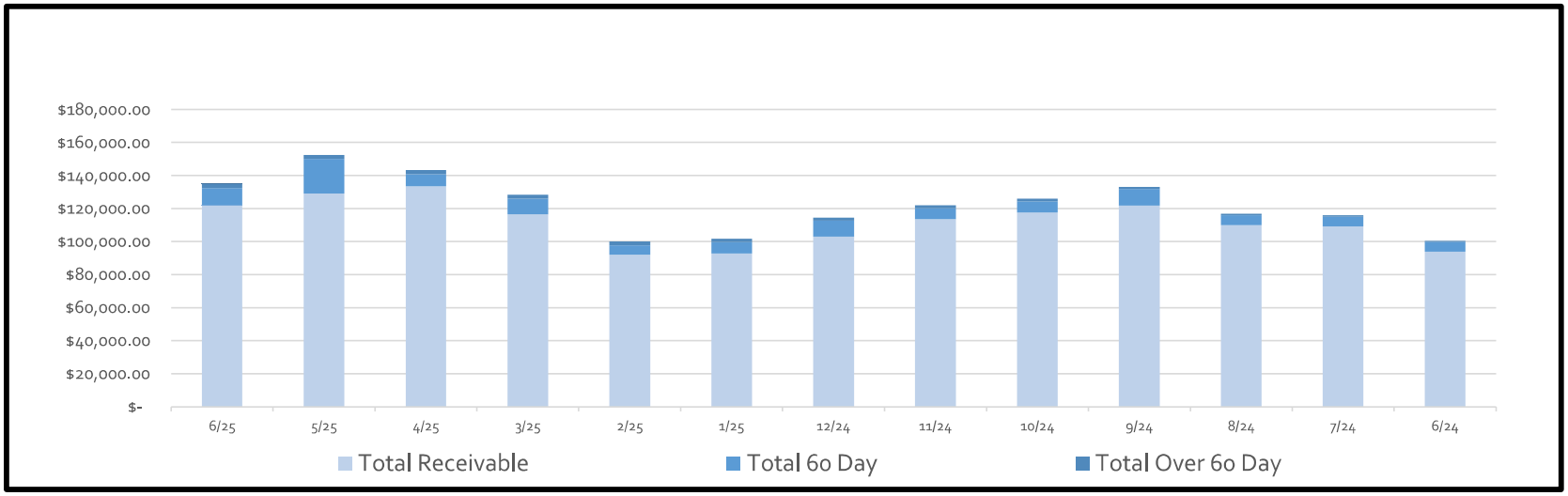
Billing Summary

Description		
		Jun-25
Residential		934
Commercial		41
Tracking - District Meters		11
Total Number of Accounts Billed		**986**
Residential		4,056,000
Commercial		383,000
Tracking - District Meters		167,000
Total Gallons Consumed		**4,606,000**
Residential		4,343
Commercial		9,341
Tracking		15,182
Avg Water Use for Accounts Billed		**4,671**
Total Billed	$	117,893.98
Total Aged Receivables	$	(4,163.42)
Total Receivables	$	122,057.40

12 Billing Month History Revenue by Category



12 Month Accounts Receivable and Collections Report



Date	Total Receivable	Total 60 Day	Total Over 60 Day
6/25	$ 122,057.40	$ 10,262.21	$ 2,465.56
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

Board Consideration to Write Off		N/A
Board Consideration Collections		N/A
Delinquent Letter Mailed	07/01/2025	38
Delinquent Tags Hung	07/08/2025	26
Disconnects for Non Payment	07/14/2025	1
Reconnected by	07/16/2025	1

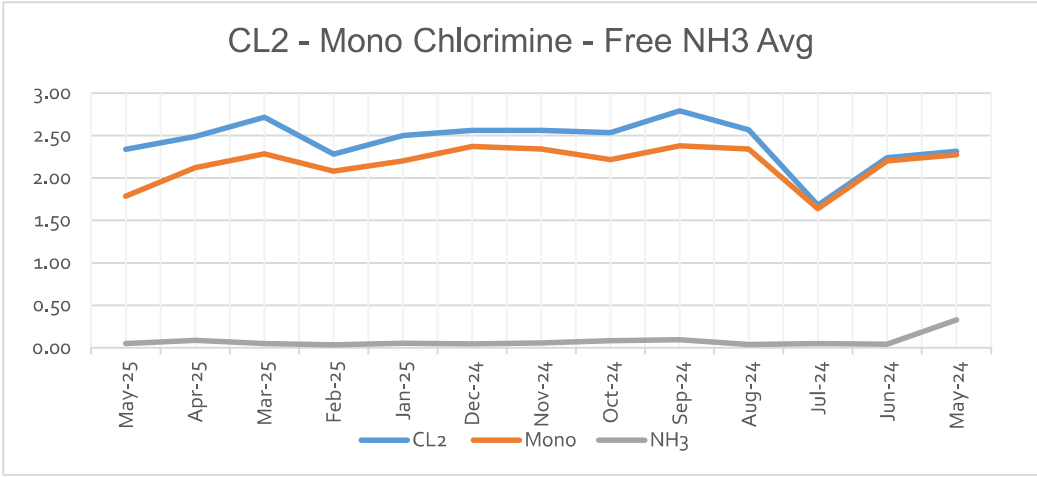
Water Production and Quality

Water Quality Monitoring

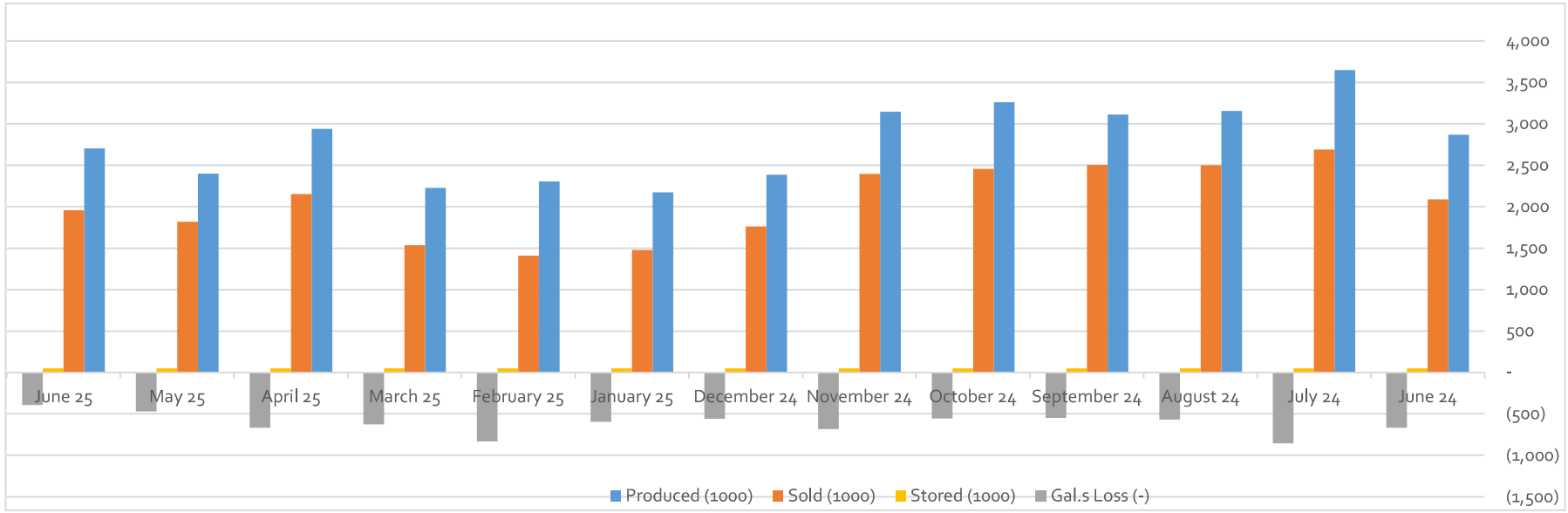
Current Annual CL2 Avg **2.43**

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

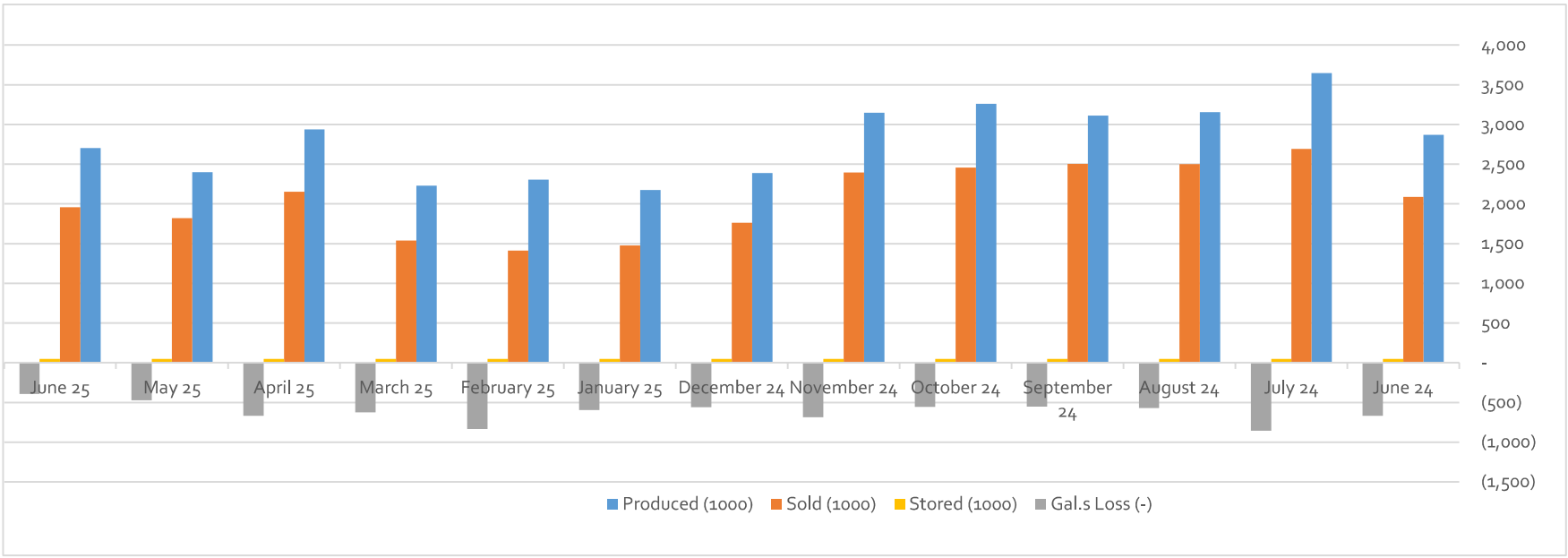


Water Accountability Report - Upper Plane



Month	Read Date	Connection Total	Produced (1000)	Sold (1000)	Stored (1000)	Flush/Leaks Loss	Gal.s Loss (-)	Accounted For %
June 25	6/19/2025	449	2,703	1,958	50	301	(394)	85.4%
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%

Water Accountability Report - Lower Plane



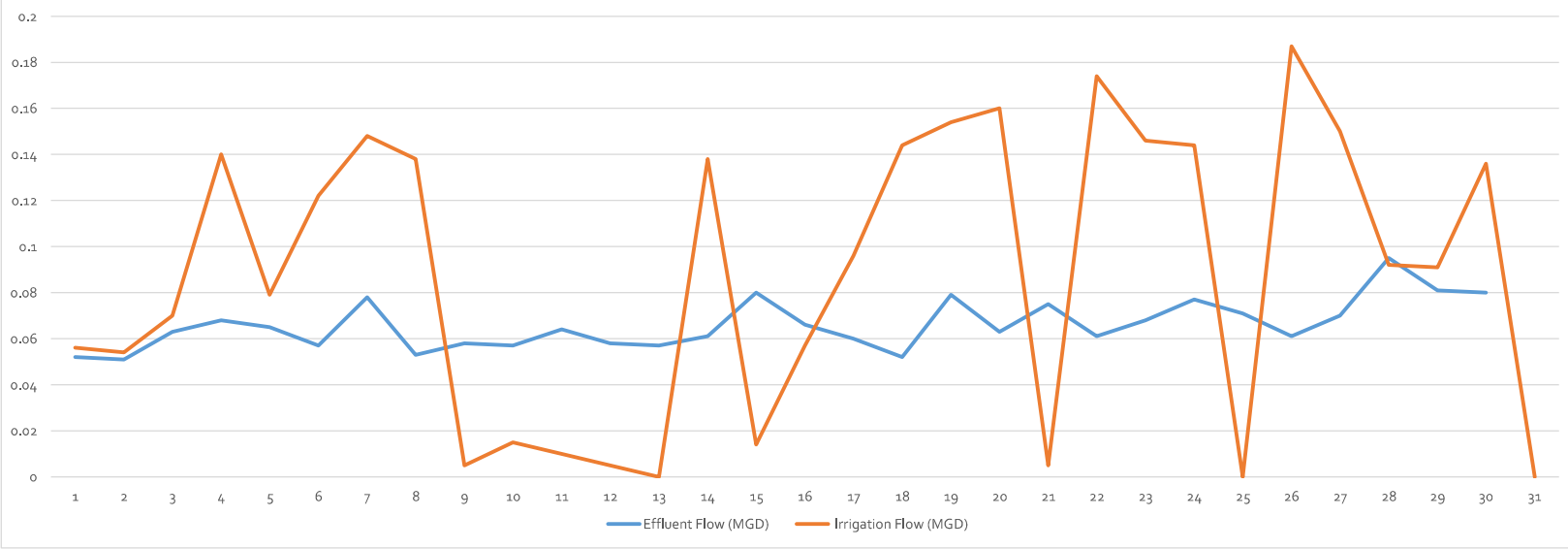
Month	Read Date	Connection Total	Produced (1000)	Sold (1000)	Stored (1000)	Flushing/ Leaks	Gal.s Loss (-)	Accounted For %
June 25	6/19/2025	538	3,094	2,648	280	52	(114)	96.3%
May 25	5/20/2025	538	3,730	2,359	280	175.5	(916)	75.5%
April 25	4/21/2025	538	1,751	2,701	280	9	1,239	170.8%
March 25	3/20/2025	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%

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

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

Wastewater Production and Quality

Wastewater Flows for June



Wastewater Treatment Permit Summary - June

		PERMIT	ACTUAL	COMPLIANT	PERCENT
Avg. Treated Flow	MGD	0.1	0.066	Yes	66.0%
Avg. Irrigation Flow	MGD	0.1	0.088	Yes	88.1%
Avg. BOD	mg/L	10.0	7.3	Yes	
E. coli	mpn/100 ml.	126.0	<0	Yes	
Avg. TSS	mg/L	15.0	7.0	Yes	
MIN. PH	STD UNITS	6.0	7.5	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
Jun-25	986	1,980,000	66,000	66%	2,730,000
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		10,490,000	354,000		11,600,000
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

2025 Legislative Update for Districts

(89th Legislative Session)

July 16, 2025

Below is the Legislative update for the bills that have become law that are applicable to Districts, and recommendations on any actions necessary for Districts to take:

SB 599 – Effective Immediately

This bill states a political subdivision cannot adopt or enforce a measure that requires a day-care home, or family home licensed and registered under Chapter 42, Human Resources Code, that exceeds the standards by statute or HHS Commission rules.

Recommended Action: If a District has a facility covered by this bill within the District boundary, the District Attorney will review rules to ensure there are no rules currently in place that violate this bill.

HB 3526 – Effective September 1, 2025

This bill requires local governments that are proceeding with holding a bond election to submit a report to the Texas Bond Review Board. This bill also requires local governments with voter-approved but unused bonds to submit an annual report regarding the voter-approved but unissued bonds.

Recommended Action: If a District is holding a bond election, the District's Attorney will work with the District's bond counsel to get the required report submitted to the Texas Bond Review Board. For Districts with voter-approved but unused bonds, the District Attorney will handle the reporting and collaborate with the other District consultants to obtain all necessary information.

SB 765 – Effective September 1, 2025

This bill states that information in the custody of a governmental body that relates to fraud detection and deterrence measures is confidential and is exempt from disclosure under the Public Information Act.

Recommended Action: If a request under the Public Information Act is received and the information requested includes information related to fraud detection and deterrence, the District's Attorney will process the request and withhold any information subject to this bill.

HB 30 – Effective January 1, 2026

This bill provides a procedure for calculating a "Disaster Relief Rate" which is to be used by the taxing unit to calculate a voter-approval tax rate in a tax year if any part of the taxing unit is located in an area declared a disaster during the current tax year. The voter-approval rate under this bill incorporates disaster relief costs incurred by the taxing unit.

Recommended Action: The District's financial advisor will work with the District's Attorney to review tax calculations if a disaster is declared during a tax year.

SB 1023 – Effective January 1, 2026

This bill requires taxing units to provide hyperlinks to a document that evidences the accuracy of each entry on the tax rate calculation forms submitted to each respective county.

Recommended Action: The District's attorney will prepare the document and hyperlink required for the tax rate calculation forms.

HB 1522 – Effective September 1, 2025

This bill would require the District to post notice and the agenda of a board meeting 3 business days in advance of the meeting. The current requirement is 72 hours. Additionally, this bill would require the District to post a proposed budget on the District's website with the notice prior to any meeting the District will discuss or act on the budget and to prepare a taxpayer impact statement.

Recommended Action: The District Attorney will coordinate with the other District consultants to establish deadlines for agenda posting to comply with the notice requirements of the bill. The Board should consider this deadline when holding Special Meetings. Further, the District's attorney will post the proposed budget on the District's website in advance of meetings when the budget will be considered and prepare the required taxpayer impact statement.

HB 103 – Effective September 1, 2025

This bill requires the creation of a local government bond, tax, and project database. The Comptroller shall consult and coordinate with the Bond Review Board to develop and maintain a database of current and historical information regarding taxes and imposed bonds by each taxing unit in the state. The Comptroller will require information to be provided by taxing units. If a taxing unit does not provide the information required by the Comptroller within 30 days of receiving the request, the taxing unit is liable to the state for a civil penalty of $1,000.00.

Recommended Action: The District Attorney will respond to any requests for information from the Comptroller under this bill and will coordinate with the District's Bookkeeper and Financial Advisor to compile the information requested.

HB 2001 – Effective September 1, 2025

This bill increases the criminal penalty for misuse of official information that results in pecuniary gain to a felony. The degree of felony depends on the net gain.

Recommended Action: There is no recommended action for this bill.

HB 2253 – Effective Immediately

This bill allows for the cancellation of a bond election in the wake of a disaster declaration.

Recommended Action: There is no immediate recommended action for this bill.

HB 3112 – Effective Immediately

This bill would allow governmental bodies to discuss matters related to cybersecurity measures intended to protect critical infrastructure in closed session. This bill also would except the disclosure of cybersecurity measures from public disclosure under the Public Information Act.

Recommended Action: If a request under the Public Information Act is received and the information requested includes information related to cybersecurity measures intended to protect critical infrastructure, the District's Attorney will process the request and withhold any information subject to this bill. Additionally, the District Attorney will advise that any discussion regarding cybersecurity measures intended to protect critical infrastructure be discussed during closed session.