

## ENGINEERING COMMITTEE MEETING AGENDA

May 28, 2026 – 3:00 P.M.  
Phelan Community Center  
4128 Warbler Road, Phelan, CA 92371  
& Via Conference Call (see below)

### ENGINEERING COMMITTEE MEETING – 3:00 P.M.

**Call to Order** – Pledge of Allegiance

#### Roll Call

1) **Approval of Agenda**

2) **Public Comment** – Under this item, any member of the public wishing to directly address the Board on any item of interest that may or may not be within the subject matter jurisdiction of the Board, but not listed on the agenda, may do so at this time. However, the Board is prohibited by law from taking any action on any item not appearing on the agenda unless the action is otherwise authorized by the Brown Act. Any member of the public wishing to directly address the Board on any item listed on the agenda may do so when the item is being considered by the Board. *If you wish to address the Board, please do so by the method listed on the first page of this agenda.* Speakers are requested to be brief in their remarks. The Chair may limit each speaker to a comment period of five (5) minutes.

3) **Approval of Minutes**

4) **Oeste Recharge Study Project**

5) **Discussion Regarding Water System**

- Pumps and Wells Services Agreement
- 10-Year Tank Rehabilitation & Maintenance Service
- Water Quality
- Service Line Replacement Program Update
- Other Repairs/Replacements/Updates/Maintenance

6) **State Regulations Update**

7) **Review of Current Projects**

- Well No. 18
- Well No. 16
- Tank 6A

8) **Staff Reports**

9) **Review of Action Items**

- a) **Prior Meeting**
- b) **Current Meeting**

10) **Set Agenda for Next Meeting** – June 25, 2026



#### **Mission Statement:**

*The Mission of the Phelan Piñon Hills Community Services District is to efficiently provide authorized services and maximize resources for the benefit of the community.*

#### **Authorized Services:**

- Water
- Parks & Recreation
- Street Lighting
- Solid Waste & Recycling

## 11) **Adjournment**

*Pursuant to Government Code Section 54954.2(a), any request for a disability-related modification or accommodation, including auxiliary aids or services, that is sought in order to participate in the above-agendized public meeting should be directed to the District's General Manager at (760) 868-1212 at least 24 hours prior to said meeting.*

*Agenda materials can be viewed online at [www.pphcsd.org](http://www.pphcsd.org)*

### **Remote Viewing:**

To watch the livestream (view only – nonparticipating), visit our YouTube channel:

[PPHCSD YouTube Channel Link](#)

### **Remote Participation:**

To provide public comment, or otherwise participate remotely, select the meeting you wish to attend on the District's website and then click the "Join Remote Meeting" option.

<https://www.pphcsd.org/meetings>

*Please be advised that remote participation and livestreaming options are provided as a courtesy to the public and technical issues could occur, resulting in delays or the inability to participate remotely or livestream. It is recommended that you attend in person to ensure you are able to participate.*

### **Written Comments:**

You may also email your public comment to the District Clerk at [awilliams@pphcsd.org](mailto:awilliams@pphcsd.org) by the meeting start time listed on this agenda. Your comment will be added to the record by the District Clerk.

*Please check the District website for updates on this meeting. We encourage you to sign up for our email notifications by emailing [awilliams@pphcsd.org](mailto:awilliams@pphcsd.org) or by visiting our website and completing the signup form at [www.pphcsd.org](http://www.pphcsd.org) under the "Agendas and Minutes" tab.*

## **ENGINEERING COMMITTEE MEETING MINUTES**

February 26, 2026 – 3:00 p.m.  
Phelan Community Center  
4128 Warbler Road, Phelan, CA 92371  
& Remotely Via Zoom or Conference Call

**Board Members Present:** Jeanna Mills, Vice President/Chair  
Chuck Hays, Director

**Staff Present:** George Cardenas, Asst. General Manager/Engineering Mgr.  
Sean Wright, Operations Manager  
Chris Cummings, Assistant Water Operations Manager  
Jennifer Oakes, Parks Manager/Board Clerk

### **Call to Order**

Director Mills called the meeting to order at 3:00 p.m.

### **Roll Call**

All Committee Members were present at Roll Call.

- 1) **Approval of Agenda**  
Vice President Mills moved to approve the Agenda. Director Hays seconded the motion. Motion carried unanimously.
- 2) **Public Comment** – None
- 3) **Approval of Minutes**  
Director Hays moved to approve the Minutes. Vice President Mills seconded the motion. Motion passed unanimously.
- 4) **Oeste Recharge Study Project**  
Mr. Cardenas and Mr. Wright provided an update to the project.
- 5) **Discussion Regarding Water System**
  - **Pumps and Wells Services Agreement**
  - **10-Year Tank Rehabilitation & Maintenance Service**
  - **Water Quality**
  - **Service Line Replacement Program**
  - **Other Repairs/Replacements/Updates/Maintenance**

Mr. Wright provided updates on the water system.

6) **State Regulations Update**

Nothing further to report.

7) **Review of Current Projects**

- **Well No. 18**
- **Well No. 16**
- **Tank 6A**

Mr. Wright provided an update on these items.

8) **Staff Reports**

Nothing further to report.

9) **Review of Action Items**

- a) **Prior Meeting** – None
- b) **Current Meeting** – None

10) **Set Agenda for Next Meeting** – March 26, 2026

11) **Adjournment**

With no further business before the Committee, the meeting was adjourned at 3:20 p.m.

Agenda materials can be viewed online at [www.pphcsd.org](http://www.pphcsd.org)



## Water Operations Manager's Report March 2026

### Introduction

The District's water supply is over 2,000 years old according to a report from the United States Geological Survey (USGS). Our water supply is primarily from the Oeste aquifer, and partially from the Alto aquifer. The water is supplied to the District's distribution system through fourteen groundwater wells which have an average depth of approximately 1,000 feet. The District's water system also consists of 35 reservoirs with a combined capacity of approximately 11,300,000 gallons; 32 pressure reducing stations in 17 pressure zones; 69 booster pumps; and approximately 348 miles of water lines. The District currently serves over 7,419 metered accounts.

The District's goal is to provide safe, reliable drinking water to our customers. As required, Sodium Hypochlorite is added to the water for disinfecting purposes; Running Annual Average (RAA) for 2025 was .92 mg/L.

### Summary

The District's water distribution system is in compliance with the State Water Resources Control Board- Division of Drinking Water, The Environmental Protection Agency, the Safe Drinking Water Act, Cal OSHA, and all other governing agencies.

Current chlorine demand has remained low and steady due to routine maintenance and flushing. Chlorine demand is found by subtracting the chlorine residual from the total chlorine added to the water system. A low chlorine demand indicates water-free or nearly free of pathogenic microorganisms.

### Water Quality Samples

The following is a summary of all water quality samples collected this month and any pertinent information related to said samples.

TEST TYPE	NO. OF COLLECTIONS THIS MONTH	TESTING SCHEDULE	NOTES
Raw water and Bac-t samples	42 samples	Monthly	All in compliance, Sampled Weekly
General physical samples	5 samples	Monthly	All in compliance, Sampled Weekly
TTHM/HAA5	0 samples sets	Quarterly	All in compliance.
Title 22	0 sample sets	TBD	All in Compliance.
Inorganics	0 samples	Yearly	All in compliance.
Radiological (Gross Alpha)	0 samples	Every 3 Years	All in compliance.
Per- and polyfluoroalkyl substances (PFAS) and perfluorooctane sulfonate (PFOS)	0 samples	3 Years by 2027	All in compliance.
Regulated VOC	0 samples	As needed	All in compliance.
Nitrate as N	samples	As needed	All in Compliance.
Chromium 6	0 samples	Quarterly	All in Compliance.
Secondary GP'S	0 samples	As needed	All in Compliance.
Lead & Copper	0 samples	Every 3 Years	All in Compliance

## Production and Service Order Report

The following is a summary of the District's water production and service orders for the current month.

<b>Total Monthly Production</b>	221.517 A. F. 17.45 % more than 2025
<b>2025 Monthly Production</b>	182.895 A. F.
<b>USA's Marked</b>	420
<b>Service Orders Completed</b>	140 service orders completed
<b>Main/Service Line Leaks</b>	15 service line leaks were repaired. 1 Main line leak/ breaks repaired
<b>Hydrant Repairs/Replacements</b>	0 hydrants repaired/ 2 replaced
<b>Residential Meters Sold</b>	5
<b>Commercial Meters Sold</b>	0
<b>YTD Total Meters Sold (Calendar)</b>	21 (60 in 2025) (64 in 2024) (56 in 2023) (86 in 2022) (95 in 2021)
<b>Construction Meters Out</b>	5
<b>Service Lines Replaced</b>	3

### Job Code Summary

<b>Job Code</b>	<b>Total Completed</b>
C-Lock - Lock	114
C-Read & Unlock-Open - Read & Unlock - Opening	0
C-Read & Unlock-OC-DM - Read & Unlock - Opening-OC-DM	0
D-Closing Read & Lck - Closing Read & Lock DO NOT USE	0
D-Closing Read-OC-DM - Closing Read & Lock-OC-DM DO NOT USE	0
M- Investigate Lock - Verify Meter Still Locked	12
M- Verify Acct Class - Verify Account Class	0
M- Water Audit - Audit Water Usage	5
M-Backflow - Backflow Information	5
M-Cost Estimate Req - Cost Estimate Request	3
M-Data - Data Log	0
M-Bees- Bees	0
M-Investigate Leak - Investigate Leak	2
M-Investigate No Wtr - Investigate No Water	0
M-Lock No N/O Info - Meter Locked No New Owner Info	7
M-Low/No Consumption - Investigate Low/No Consumption	0
M-Meter Leaking - Meter Leaking	0
M-Meter UTL - Buried - Meter UTL - Buried	4
M-Pressure Ck Hi-Low - Pressure Check Hi-Low	1
M-R/R Angle Stop - Repair/ Replace Angle Stop	5
M-R/R Gate Valve - Repair/ Replace Gate Valve	2
M-Read - Read (do not update Read)	0
M-Repair Svc Line - Repair Service Line	7

M-Repair/Install Box - Meter Box	2
M-Replace Serv Line - Replace Service Line	3
M-Stake Meter Loc - Stake Meter Location	1
M-Status	0
M-Turn off-Cust Req - Turn off - Customer Request	8
M-UNLOCK – UNLOCK	40
M-Verify Leak Repair - Verify Leak Repaired	0
M-Water Loss Leak - Door Hanger Water Loss Leak	10
M-Water Quality Taste - Water Quality - Taste	1
M-Sensu Equipment Failure	9
S- Meter Downsize - Meter Downsizing	0
Service Change - Service Status Change	0
S-Manual Meter Swap Concord	0
S-Replace Reg Hotrod - Replace Register Hotrod Died	0
S-MXU Change Out	0
Grand Totals	241

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### **Summary of Current Projects- As of April 9, 2026**

The following is a summary of all current and completed projects for the reported period

#### **Current Projects**

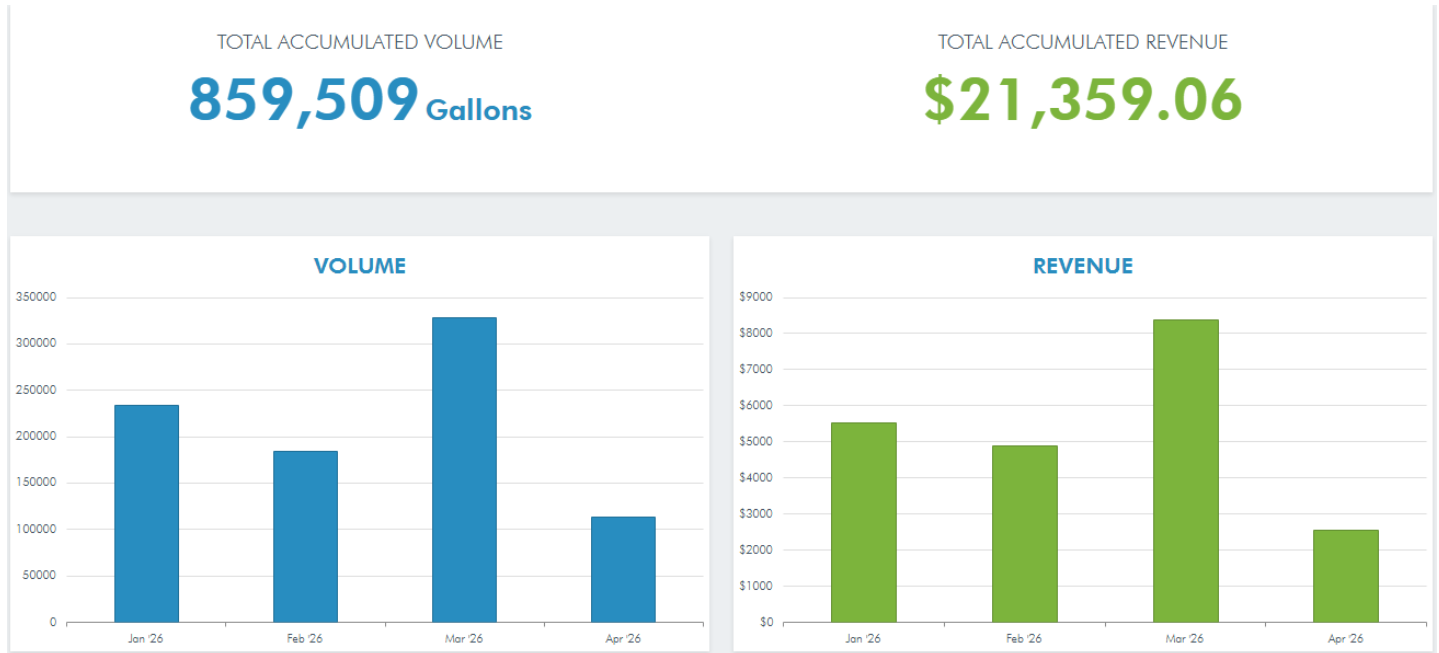
- Well Soundings at all wells are being completed monthly
- Well 14 Production for January 0.00 AF, YTD 0.29 AF @ \$1,224 per AF replacement C/Y 2025
- Valves and Hydrants Maintenance: 4 hydrants flushed and painted YTD Total- 4
  - 2 hydrants replaced YTD Total- 3
- Service line replacement program. 15 Replaced Calendar Year to Date, 90 Replaced Fiscal Year to Date
- Air-Vac maintenance & flushing program- 0 Flushed & Maintenance YTD-0 of 336
- Cla-Val control valves (PRV'S) inspected/set to hyd. model as a water conservation measure- 100% Complete
- Insertion Meters on Booster Station Effluent at sites 5B remaining – to be scheduled
- Well #16- Site fenced, water main for well effluent installed, conductor casing installed, pilot hole to 1100' Total Depth, sieve analysis complete, casing ordered, reamed to 1,140' and counting, mechanical development completed, test pump & development completed, 32-hour continuous pump 900 GPM
- Well #18- Site fenced, water main for well effluent installed, conductor casing installed, pilot hole to 1100', reamed to 1,100', casing & gravel pack installed, mechanical development completed
- Storm damage at Sheep Creek Wash Crossing repair (5 Crossings)- 20% Complete
  - Trinity Rd crossing 612' of 8" line replaced, 2 fire hydrants installed, 6 gate valves installed, chlorinated, flushed and bac-t sample- completed
  - Calaveras Rd crossing 522' of 8" line replaced, 2 fire hydrants installed, 6 gate valves installed, chlorinated, flushed and bac-t sample- completed
  - Smoke Tree Rd & Del Rosa Rd crossings scheduled for replacement April 2026

#### **Projects Completed**

- PRV at Station #22 overhauled and replaced with the addition of isolation valves- 100% Complete
- Smithson Springs Reservoirs 1 & 2 inspection, cleaned with divers- 100 % Complete
- Tank washouts of Site W10, 7A-1, 2-1, 2-2 (Contract Scope is 10 per year) Remaining Washouts Pending
- Reservoir 10-1, 10-2, 1A-1,2B, 2-1, 2-2 Exteriors painted in-house by staff- 100% Complete
- Vegetation is being mitigated and disposed of on all Water Operations Facilities- Ongoing

- Insertion Meters on Booster Station Effluent at sites 3A, 2B, 3C, 1C, - 100% Complete
- 251 Dead ends flushed of 317 = every year no matter what < No goal, this is mandatory
- Electrical Efficiency test performed at all boosters and wells within the District- 100%
- 0 Valves Turned this month as part of the district Valve Exercising Program, 155 Year to Date Turned of 4291
- 1936 hydrants = 79 flushed this Year to Date 53 Painted Goal is 968 annually, this is done Bi-Annual
- Boil notice for District System # 3610120 Lifted after Bacteriological confirmation
- Civic Center water main- 800 feet installed, 5 valve & tee setups, one fire hydrant relocated. 100% Complete
- Site 1C SCE 600amp service panel and transfer switch replacement- 100% Complete

The Fill Station Year to Date Statistics





## Water Operations Manager's Report April 2026

### Introduction

The District's water supply is over 2,000 years old according to a report from the United States Geological Survey (USGS). Our water supply is primarily from the Oeste aquifer, and partially from the Alto aquifer. The water is supplied to the District's distribution system through fifteen groundwater wells which have an average depth of approximately 1,000 feet. The District's water system also consists of 35 reservoirs with a combined capacity of approximately 11,300,000 gallons; 32 pressure reducing stations in 17 pressure zones; 69 booster pumps; and approximately 348 miles of water lines. The District currently serves over 7,427 metered accounts. The District's goal is to provide safe, reliable drinking water to our customers. As required, Sodium Hypochlorite is added to the water for disinfecting purposes; Running Annual Average (RAA) for 2025 was .91 mg/L.

### Summary

The District's water distribution system is in compliance with the State Water Resources Control Board- Division of Drinking Water, The Environmental Protection Agency, the Safe Drinking Water Act, Cal OSHA, and all other governing agencies.

Current chlorine demand has remained low and steady due to routine maintenance and flushing. Chlorine demand is found by subtracting the chlorine residual from the total chlorine added to the water system. A low chlorine demand indicates water-free or nearly free of pathogenic microorganisms.

### Water Quality Samples

The following is a summary of all water quality samples collected this month and any pertinent information related to said samples.

TEST TYPE	NO. OF COLLECTIONS THIS MONTH	TESTING SCHEDULE	NOTES
Raw water and Bac-t samples	45 samples	Monthly	All in compliance, Sampled Weekly
General physical samples	7 samples	Monthly	All in compliance, Sampled Weekly
TTHM/HAA5	4 samples sets	Quarterly	All in compliance.
Title 22	0 sample sets	TBD	All in Compliance.
Inorganics	0 samples	Yearly	All in compliance.
Radiological (Gross Alpha)	0 samples	Every 3 Years	All in compliance.
Per- and polyfluoroalkyl substances (PFAS) and perfluorooctane sulfonate (PFOS)	0 samples	3 Years by 2027	All in compliance.
Regulated VOC	2 samples	As needed	All in compliance.
Nitrate as N	4 samples	As needed	All in Compliance.
Chromium 6	6 samples	Quarterly	All in Compliance.
Secondary GP'S	1 samples	As needed	All in Compliance.
Lead & Copper	0 samples	Every 3 Years	All in Compliance

## Production and Service Order Report

The following is a summary of the District's water production and service orders for the current month.

<b>Total Monthly Production</b>	225.01 A. F. 5.1 % more than 2025
<b>2025 Monthly Production</b>	213.563 A. F.
<b>USA's Marked</b>	243
<b>Service Orders Completed</b>	104 service orders completed
<b>Main/Service Line Leaks</b>	7 service line leaks were repaired. 0 Main line leak/ breaks repaired
<b>Hydrant Repairs/Replacements</b>	0 hydrants repaired/ 1 replaced/ 3 installed
<b>Residential Meters Sold</b>	8
<b>Commercial Meters Sold</b>	0
<b>YTD Total Meters Sold (Calendar)</b>	29 (60 in 2025) (64 in 2024) (56 in 2023) (86 in 2022) (95 in 2021)
<b>Construction Meters Out</b>	7
<b>Service Lines Replaced</b>	4

### Job Code Summary

<b>Job Code</b>	<b>Total Completed</b>
C-Lock - Lock	100
C-Read & Unlock-Open - Read & Unlock - Opening	11
C-Read & Unlock-OC-DM - Read & Unlock - Opening-OC-DM	60
D-Closing Read & Lck - Closing Read & Lock DO NOT USE	3
D-Closing Read-OC-DM - Closing Read & Lock-OC-DM DO NOT USE	0
M- Investigate Lock - Verify Meter Still Locked	8
M- Verify Acct Class - Verify Account Class	0
M- Water Audit - Audit Water Usage	3
M-Backflow - Backflow Information	0
M-Cost Estimate Req - Cost Estimate Request	3
M-Data - Data Log	0
M-Bees- Bees	0
M-Investigate Leak - Investigate Leak	0
M-Investigate No Wtr - Investigate No Water	3
M-Lock No N/O Info - Meter Locked No New Owner Info	14
M-Low/No Consumption - Investigate Low/No Consumption	0
M-Meter Leaking - Meter Leaking	0
M-Meter UTL - Buried - Meter UTL - Buried	2
M-Pressure Ck Hi-Low - Pressure Check Hi-Low	3
M-R/R Angle Stop - Repair/ Replace Angle Stop	2
M-R/R Gate Valve - Repair/ Replace Gate Valve	1
M-Read - Read (do not update Read)	0
M-Repair Svc Line - Repair Service Line	7
M-Repair/Install Box - Meter Box	2

M-Replace Serv Line - Replace Service Line	4
M-Stake Meter Loc - Stake Meter Location	1
M-Status	1
M-Turn off-Cust Req - Turn off - Customer Request	10
M-LOCK – LOCK	12
M-UNLOCK – UNLOCK	19
M-Verify Leak Repair - Verify Leak Repaired	0
M-Water Loss Leak - Door Hanger Water Loss Leak	0
M-Water Quality Taste - Water Quality - Taste	0
M-Sensu Equipment Failure	6
S- Meter Downsize - Meter Downsizing	0
Service Change - Service Status Change	0
S-Manual Meter Swap Concord	0
S-MXU Change Out	2
Grand Totals	261

### **Summary of Current Projects- As of May 7, 2026**

The following is a summary of all current and completed projects for the reported period

#### **Current Projects**

- Well Soundings at all wells are being completed monthly
- Well 14 Production for April 0.61 AF, YTD 0.63 AF @ \$1,224 per AF replacement C/Y 2025
- Valves and Hydrants Maintenance: 3 hydrants flushed and painted YTD Total- 7
  - 1 hydrant replaced YTD Total- 5
  - 3 valves replaced YTD Total- 7
- Service line replacement program. 19 Replaced Calendar Year to Date, 94 Replaced Fiscal Year to Date
- Air-Vac maintenance & flushing program- 0 Flushed & Maintenance YTD-0 of 336
- Cla-Val (PRV'S) inspected/set to Model for water conservation measure- Quarterly- Next Inspection June 2026
- Insertion Meters on Booster Station Effluent at sites 5B remaining – Scheduled for June 2026
- Well #16- Site fenced, water main for well effluent installed, conductor casing installed, pilot hole to 1100' Total Depth, reamed to 1,140', casing & gravel pack installed, mechanical development completed, test pump & development completed, 32-hour continuous pump up to 900 GPM
  - 8' x 8' concrete pedestal & sole plate installation scheduled for June 2026
  - 200hp motor, pump, column, tube & shaft- on order
  - 400amp SCE switchgear and manual transfer switch- on order
- Well #18- Site fenced, water main for well effluent installed, conductor casing installed, pilot hole to 1100', reamed to 1,100', casing & gravel pack installed, mechanical development completed
  - Development & test pumping- on going- 40% Complete
- Storm damage at Sheep Creek Wash Crossing repair (4 Crossings)- 100% Complete
  - Trinity Rd crossing 612' of 8" line replaced, 1 fire hydrant installed / 1 replaced, 6 gate valves installed, chlorinated, flushed and bac-t sampled- completed
  - Calaveras Rd crossing 454' of 8" line replaced, 2 fire hydrants installed, 6 gate valves installed, chlorinated, flushed and bac-t sampled- completed
  - Smoke Tree Rd crossing 360' of 8" line replaced, 1 fire hydrant installed / 1 replaced, 3 gate valves installed, chlorinated, flushed and bac-t sampled- completed
  - Del Rosa Rd crossing 280' of 8" line replaced, 1 fire hydrant installed / 1 replaced, 6 gate valves installed, chlorinated, flushed and bac-t sample- completed

#### **Projects Completed**

- PRV at Station #22 overhauled and replaced with the addition of isolation valves- 100% Complete
- Smithson Springs Reservoirs 1 & 2 inspection, cleaned with divers- 100 % Complete
- Tank washouts of Site W10, 7A-1, 2-1, 2-2 (Contract Scope is 10 per year) Remaining Washouts Pending
- Reservoir 10-1, 10-2, 1A-1,2B, 2-1, 2-2 Exteriors painted in-house by staff- 100% Complete
- Vegetation is being mitigated and disposed of on all Water Operations Facilities- Ongoing
- Insertion Meters on Booster Station Effluent at sites 3A, 2B, 3C, 1C - 100% Complete
- 317 Dead ends flushed of 317 = every year no matter what < No goal, this is mandatory
- Electrical Efficiency test performed at all boosters and wells within the District- 100%
- 0 Valves Turned this month as part of the district Valve Exercising Program, 155 Year to Date Turned of 4291
- 1936 hydrants = 79 flushed this Year to Date 53 Painted Goal is 968 annually, this is done Bi-Annual
- Boil notice for District System # 3610120 Lifted after Bacteriological confirmation
- Civic Center water main- 800 feet installed, 5 valve & tee setups, one fire hydrant relocated, 4-meter services installed- 100% Complete
- Site 1C SCE 600amp service panel and transfer switch replacement- 100% Complete

Community Fill Station YTD 2026 Statistics

TOTAL ACCUMULATED VOLUME  
**1,276,687** Gallons

TOTAL ACCUMULATED REVENUE  
**\$32,685.14**

