

## **ENGINEERING COMMITTEE MEETING AGENDA**

November 20, 2024 – 4:30 P.M.  
Phelan Community Center  
4128 Warbler Road, Phelan, CA 92371  
& Via Conference Call (see below)

### **ENGINEERING COMMITTEE MEETING – 4:30 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. 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) **Smithson Springs Update**

#### 7) **State Regulations Update**

#### 8) **Review of Current Projects**

- Well No. 17
- Future Well No. 18
- Tank 6A

#### 9) **Staff Reports**

#### 10) **Review of Action Items**

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

#### 11) **Set Agenda for Next Meeting** – December 18, 2024



#### **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*

## 12) **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 Board Secretary at [ksevy@pphcsd.org](mailto:ksevy@pphcsd.org) by the meeting start time listed on this agenda. Your comment will be added to the record by the Board Secretary.

*Please check the District website for updates on this meeting. We encourage you to sign up for our email notifications by emailing [ksevy@pphcsd.org](mailto:ksevy@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**

August 21, 2024 – 4:30 p.m.  
Phelan Community Center  
4128 Warbler Road, Phelan, CA 92371  
& Remotely Via Zoom or Conference Call

**Board Members Present:** Mark Roberts, Director (Chair)  
Rebecca Kujawa, Director

**Staff Present:** Sean Wright, Water Operations Manager  
Chris Cummings, Assistant Water Operations Manager  
George Cardenas, Engineering Manager  
Tony De La Rosa, Engineering Technician  
Aimee Williams, Asst. Board Clerk/Administrative Specialist

### **Call to Order**

Director Roberts called the meeting to order at 4:30 p.m.

### **Roll Call**

All Committee Members were present at Roll Call.

- 1) **Approval of Agenda**  
Director Kujawa moved to approve the Agenda. Director Roberts seconded the motion. Motion carried unanimously.
- 2) **Public Comment**  
Public comment was given by:
  - Jim Kurfman
  - Robert Swartwood
- 3) **Approval of Minutes**  
Director Roberts moved to approve the Minutes. Director Kujawa seconded the motion. Motion passed unanimously.
- 4) **Oeste Recharge Study Project**  
Mr. Cardenas provided an update on this item.
- 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) **Smithson Springs Update**  
Mr. Wright reported on this item.
- 7) **State Regulations Update**  
Mr. Wright provided an update on this item.
- 8) **Review of Current Projects**
  - **Well No. 17**
  - **Future Well No. 18**
  - **Tank 6A**Mr. Wright provided updates on this item.
- 9) **Staff Reports**  
Nothing further to report; a written report is in the agenda packet.
- 10) **Review of Action Items**
  - a) **Prior Meeting**
    - Completed
  - b) **Current Meeting**
    - What can CalFire be utilized for? – Complete
    - Update regarding judgement decision on Oeste & Alto basins – Pending
- 11) **Set Agenda for Next Meeting** – September 18, 2024
- 12) **Adjournment**  
With no further business before the Committee, the meeting was adjourned at 5:25 p.m.

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



## Water Operations Manager's Report September 2024

### Introduction

The Phelan Piñon Hills Community Services District (District) maintains a large water distribution system that includes over three hundred & forty miles of water lines. The following are District statistics and information related to the operations of this distribution system and the quality of the water supplied to District customers.

### 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	46 samples	Monthly	All in compliance, Sampled Weekly
General physical samples	6 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.
Trichloropropane 1,2,3-TCP	0 samples	Quarterly	All in compliance.
Regulated VOC	0 samples	As needed	All in compliance.
Nitrate as N	1 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	33 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>	278.48 A. F. 16 % more than 2023
<b>2023 Monthly Production</b>	234.83 A. F.
<b>USA's Marked</b>	309
<b>Service Orders Completed</b>	225 service orders completed
<b>Main/Service Line Leaks</b>	22 service line leaks were repaired. 0 Main line leak/ breaks repaired
<b>Hydrant Repairs/Replacements</b>	0 hydrants repaired/1 replaced
<b>Residential Meters Sold</b>	5
<b>Commercial Meters Sold</b>	0
<b>YTD Total Meters Sold (Calendar)</b>	50 (56 in 2023) (86 in 2022) (95 in 2021)
<b>Construction Meters Out</b>	3
<b>Service Lines Replaced</b>	26

### Job Code Summary

<b>Job Code</b>	<b>Total Completed</b>
C-Lock - Lock	51
C-Read & Unlock-Open - Read & Unlock - Opening	3
C-Read & Unlock-OC-DM - Read & Unlock - Opening-OC-DM	28
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	9
M- Verify Acct Class - Verify Account Class	0
M- Water Audit - Audit Water Usage	1
M-Backflow - Backflow Information	0
M-Cost Estimate Req - Cost Estimate Request	0
M-Data - Data Log	0
M-Bees- Bees	0
M-Investigate Leak - Investigate Leak	2
M-Investigate No Wtr - Investigate No Water	2
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	1
M-Pressure Ck Hi-Low - Pressure Check Hi-Low	5
M-R/R Angle Stop - Repair/ Replace Angle Stop	0
M-R/R Gate Valve - Repair/ Replace Gate Valve	4
M-Read - Read (do not update Read)	0
M-Repair Svc Line - Repair Service Line	22
M-Repair/Install Box - Meter Box	1
M-Replace Serv Line - Replace Service Line	26

M-Stake Meter Loc - Stake Meter Location	1
M-Status - Status	1
M-Turn off-Cust Req - Turn off - Customer Request	4
M-UNLOCK – UNLOCK	8
M-Verify Leak Repair - Verify Leak Repaired	0
M-Water Loss Leak - Door Hanger Water Loss Leak	1
M-Water Quality Taste - Water Quality - Taste	0
S- Replace Register - Register Not Sending Signal	0
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	3
S-Replace Register- Replace Register	0
Grand Totals	225

### **Summary of Current Projects**

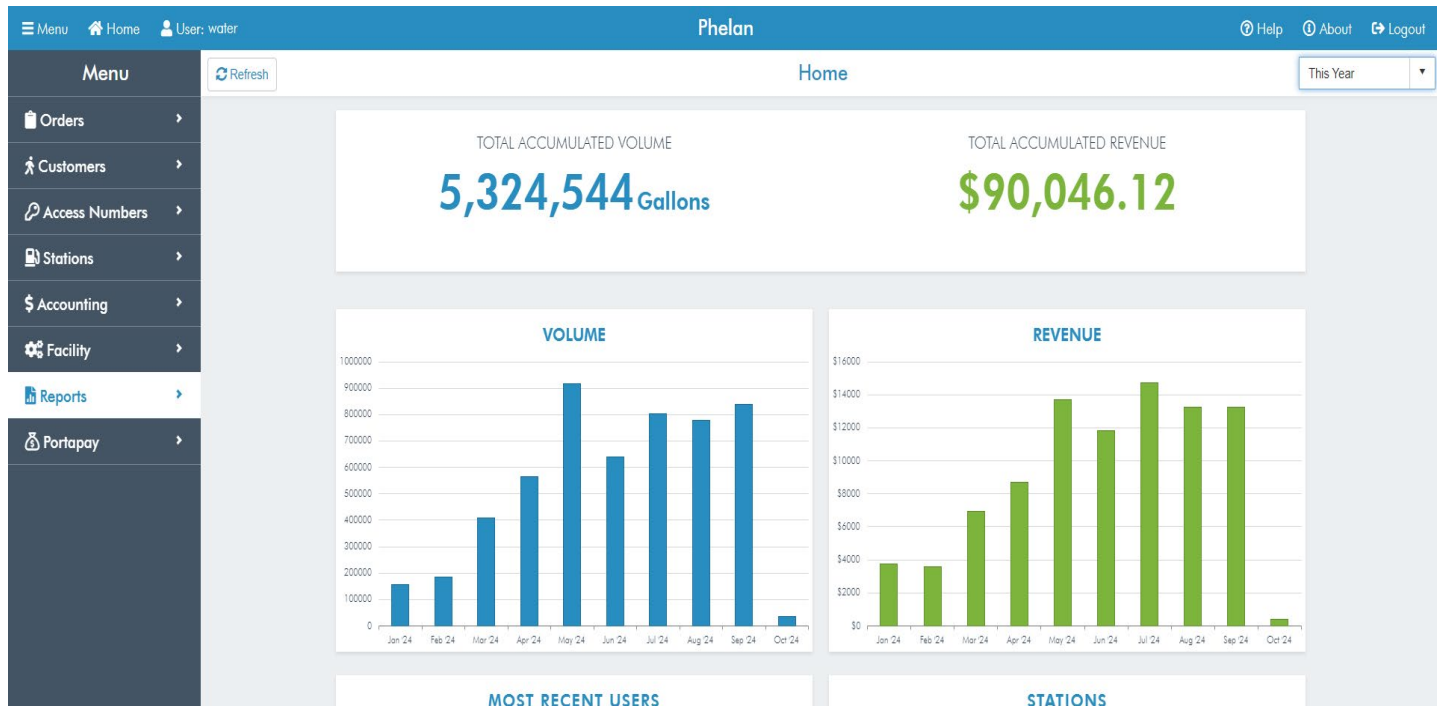
The following is a brief summary of all current and completed projects for the reported period

- Well Soundings at all wells are being done monthly
- Well 14 Production for February 0.00 AF, YTD 0.08 AF @ \$1190 per AF replacement C/Y 2024
- Station 12 rehabilitation and pump replacement- 100% Complete
- Valves and Hydrants Maintenance: 116 hydrants flushed and painted YTD Total-187
- Service line replacement program. 188 Replaced Calendar Year to Date, 73 Replaced Fiscal Year to Date
- Air-Vac maintenance & flushing program-0 Flushed & Maintenance YTD-0 of 336 Total Project 0% Complete
- Cla-Val automatic controls valves being systematically rebuilt as a water conservation measure- 25% Complete  
YTD Water savings from this project is 17 GPM and counting in conjunction with operational efficiency @ 7MG

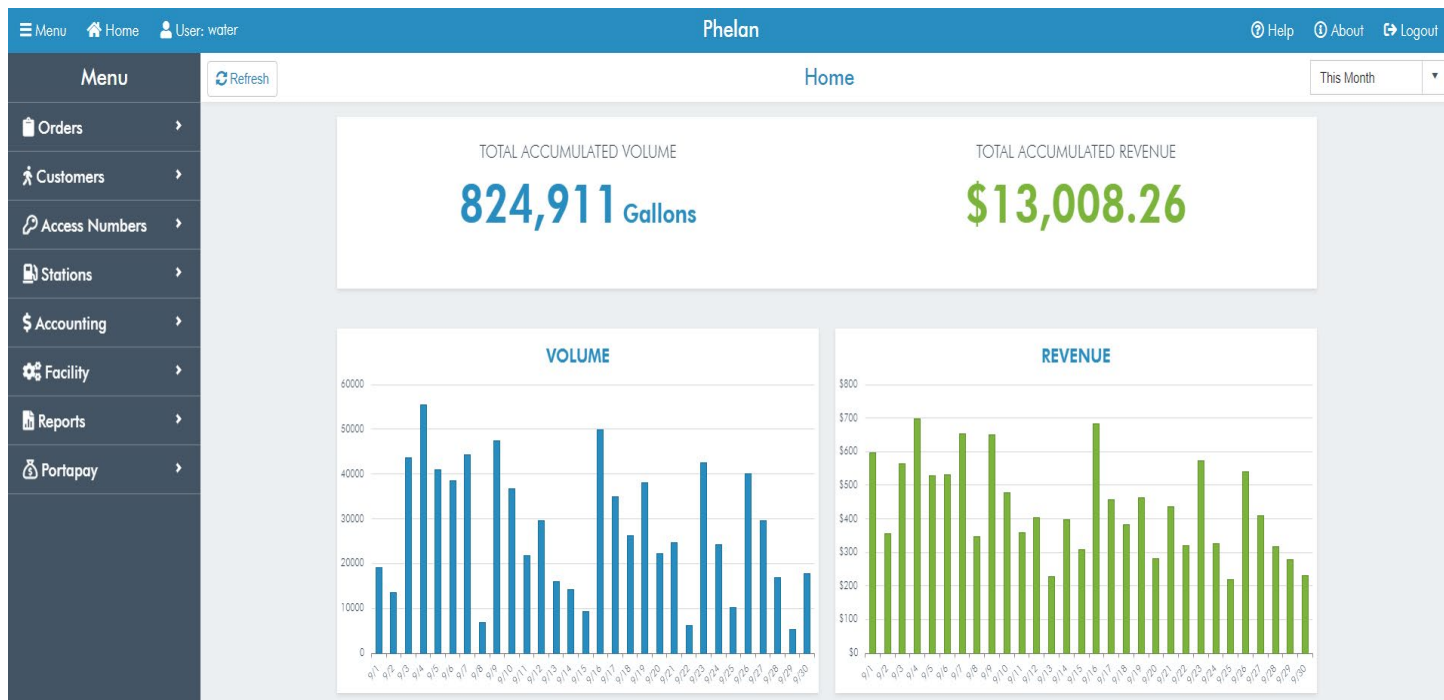
### **Projects Completed**

- Total Non-Revenue Water “Water Loss” is 12 % for Calendar Year 2024  
The District is now an Advanced Metering Infrastructure (AMI) exclusive system (100% Successful Read Rate)
- Well 15 Outfitting, and Equipping - 100% Complete  
The well has been certified to produce 806 GPM @ 70% Efficiency @ \$207.97 per AF  
Well 15 accounted for 31% of the water the District produced for the month of September
- Well Meter and inter-tie Meter annual accuracy program FY 23/24- 100 % Complete
- Electrical Efficiency test performed @ every booster and well within the District- 100%
- Oil Changes and greasing at all district wells 100% Complete Boosters 100 % Complete
- 0 Valves Turned this month as part of the district Valve Exercising Program, 118 Year to Date Turned of 4291  
Staff has begun cross-training to increase the program quantities per year greatly
- 317 Dead ends flushed of 317 = every year no matter what < No goal, this is mandatory
- 1936 hydrants = 166 flushed this Year to Date 246 Painted Goal is 968 annually, this is done Bi-Annual
- Tank washouts of 10&11,1B-2,3A,1C-2,1A-3,2B,3B,4B,1A-2 (Twice)
- Vegetation has been mitigated and disposed of on all Water Operations Facilities

## Fill Station Distribution Total Calendar Year-To-Date



## Fill Station Distribution Total Calendar September 2024







A. 4176 Warbler Road  
 P.O. Box 294049  
 Phelan, CA 92329  
 P. (760) 868-1212  
 F. (760) 868-2323  
 W. [www.pphcsd.org](http://www.pphcsd.org)

## Water Operations Manager's Report October 2024

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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)	1 samples	Every 3 Years	All in compliance.
Trichloropropane 1,2,3-TCP	0 samples	Quarterly	All in compliance.
Regulated VOC	0 samples	As needed	All in compliance.
Nitrate as N	3 samples	As needed	All in Compliance.
Chromium 6	45 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>	245.58 A. F. 1 % more than 2023
<b>2023 Monthly Production</b>	243.59 A. F.
<b>USA's Marked</b>	347
<b>Service Orders Completed</b>	288 service orders completed
<b>Main/Service Line Leaks</b>	19 service line leaks were repaired. 0 Main line leak/ breaks repaired
<b>Hydrant Repairs/Replacements</b>	1 hydrants repaired/0 replaced
<b>Residential Meters Sold</b>	8
<b>Commercial Meters Sold</b>	0
<b>YTD Total Meters Sold (Calendar)</b>	58 (56 in 2023) (86 in 2022) (95 in 2021)
<b>Construction Meters Out</b>	2
<b>Service Lines Replaced</b>	45

### Job Code Summary

<b>Job Code</b>	<b>Total Completed</b>
C-Lock - Lock	108
C-Read & Unlock-Open - Read & Unlock - Opening	4
C-Read & Unlock-OC-DM - Read & Unlock - Opening-OC-DM	59
D-Closing Read & Lck - Closing Read & Lock DO NOT USE	2
D-Closing Read-OC-DM - Closing Read & Lock-OC-DM DO NOT USE	2
M- Investigate Lock - Verify Meter Still Locked	11
M- Verify Acct Class - Verify Account Class	0
M- Water Audit - Audit Water Usage	7
M-Backflow - Backflow Information	0
M-Cost Estimate Req - Cost Estimate Request	1
M-Data - Data Log	0
M-Bees- Bees	1
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	17
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	1
M-R/R Angle Stop - Repair/ Replace Angle Stop	0
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	19
M-Repair/Install Box - Meter Box	2
M-Replace Serv Line - Replace Service Line	45

M-Stake Meter Loc - Stake Meter Location	2
M-Status - Status	3
M-Turn off-Cust Req - Turn off - Customer Request	3
M-UNLOCK – UNLOCK	14
M-Verify Leak Repair - Verify Leak Repaired	0
M-Water Loss Leak - Door Hanger Water Loss Leak	1
M-Water Quality Taste - Water Quality - Taste	0
S- Replace Register - Register Not Sending Signal	0
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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	3
S-Replace Register- Replace Register	0
Grand Totals	288

### **Summary of Current Projects**

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- Cla-Val automatic controls valves being systematically rebuilt as a water conservation measure- 25% Complete  
YTD Water savings from this project is 22 GPM and counting in conjunction with operational efficiency @ 11MG

### **Projects Completed**

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# The Fill Station Year To Date Statistics

