



# Phelan Piñon Hills Community Services District

4176 Warbler Road • P. O. Box 294049 • Phelan, CA 92329-4049 • (760) 868-1212 Fax (760) 868-2323

## ENGINEERING COMMITTEE MEETING

April 10, 2019 – 4:00 p.m.

Phelan Community Center

4128 Warbler Road, Phelan, CA

### AGENDA

1. **Call to Order** – Pledge of Allegiance
2. **Roll Call**
3. **Approval of Agenda**
4. **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 complete a Comment Card and present it to the Board Secretary. Speakers are requested to be brief in their remarks. The Chair may limit each speaker to a comment period of five (5) minutes.
5. **Approval of Minutes** – March 13, 2019
6. **Discussion Regarding Regional Groundwater Recharge/Mojave Project Update**
  - Representative from San Bernardino County Flood Control
7. **Discussion Regarding Water System**
  - Pumps and Wells Services Agreement
  - 10-Year Tank Rehabilitation & Maintenance Service
  - Water Quality
  - Other Repairs/Replacements/Updates/Maintenance
8. **Smithson Springs Update**
9. **Ducommun – Dairy Well Discussion**
10. **State Regulations Overview**
11. **Service Line Replacement Program Update**
12. **Well 12 Test Pumping Update**
13. **Review of Current Projects**

1. Pressure Zone 6
2. Parking Lot Rehabilitation Project – Engineering/Design Services

**14. Discussion Regarding Truck & Dump Truck Replacement**

**15. Review of Action Items**

**16. Staff Reports**

**17. Set Agenda for Next Meeting – May 8, 2019**

**18. Adjourn**

*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: <http://www.pphcsd.org/2018.php>



# Phelan Piñon Hills Community Services District

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## SPECIAL ENGINEERING COMMITTEE MEETING

March 13, 2019 – 4:00 p.m.

DISTRICT OFFICE

4176 Warbler Road, Phelan, CA

### MINUTES

**Directors Present:** Mark Roberts, Chair  
Charlie Johnson, Vice President

**Committee Members Absent:** None

**Staff Present:** George Cardenas, Engineering Manager  
Sean Wright, Water Operations Manager  
Jennifer Oakes, Water Conservation Specialist  
Cindy Kecskes, Engineering Technician

1. **Call to Order and Flag Salute**  
Director Roberts called the Meeting to order at 4:00 p.m.
2. **Roll Call**  
All Committee members were present. Tony Winkel from Mojave Water Agency was in attendance.
3. **Approval of Agenda**  
Director Johnson moved to approve the Agenda. Director Roberts seconded the motion. All were in favor and the motion carried.
4. **Public Comment-** None
5. **Approval of Minutes – February 13, 2019**  
Director Roberts moved to approve the Minutes. Director Johnson seconded the motion. All were in favor and the motion carried.
6. **Discussion Regarding Regional Groundwater Recharge/Mojave Project Update**
  - Representative from San Bernardino County Flood Control  
Conference call with Ken Eke from County Flood Control. He stated Flood Control has no plans for our area in the next 10 years. Explained how the flood district works.
  - Representative from Mojave Water Agency  
Tony Winkel gave a presentation regarding the proposed MWA Oeste recharge study
7. **Discussion Regarding Water System**
  - Pumps and Wells Services Agreement
  - 10-Year Tank Rehabilitation & Maintenance Service

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E-mail: PPHCSD.org

- Water Quality
  - Other Repairs/Replacements/Updates/Maintenance
8. **Smithson Springs Update**
  9. **Ducommun – Dairy Well Discussion**
  10. **State Regulations Overview**
  11. **Service Line Replacement Program Update**
  12. **Well 12 Test Pumping Update**
  13. **Review of Current Projects**
    - Pressure Zone 6
    - Parking Lot Rehabilitation Project – Engineering/Design Services
  14. **Discussion Regarding Truck and Dump Truck Replacement**
  15. **Review of Committee Budget & Strategic Plan Section 1.0 “Water System Infrastructure”**
  16. **Review of Action Items**
    - Set up meeting with flood control to begin dialogue re: project in our area
    - Look into cost and design of possible looping of dead ends
    - Install swamp cooler at shop for swamp cooler study
    - Submit CIP Budget
    - Analysis and integration of state mandates/service lines, etc
  17. **Staff Reports**
  18. **Set Agenda for Next Meeting – April 10, 2019**
    - Bring back Item #9: Ducommun Scope of Work
    - Remove “Mojave Water Agency” bullet from Item #6
    - Remove Item #15 “Review of Committee Budget & Strategic Plan Section 1.0 “Water System Infrastructure”
  19. **Adjournment**

With no further business before the Committee, the meeting was adjourned at 5:27 p.m.

**Link to Agenda Materials and Handouts:** <http://www.pphcsd.org>



# Phelan Piñon Hills Community Services District

4176 Warbler Rd. Phelan CA 92371 • P. O. Box 294049 • Phelan, CA 92329-4049 • (760) 868-1212 Fax (760) 868-2323

## Water Operations Manager's Report March 2019

### 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, Safe Drinking Water Act, Cal OSHA, and all other governing agencies.

Current chlorine demand has remained low and steady due to routine maintenance. 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 | 38 samples                    | Monthly          | All in compliance, Sampled Weekly |
| General physical samples    | 6 samples                     | Monthly          | All in compliance, Sampled Weekly |
| TTHM/HAA5                   | 0 samples                     | Quarterly        | All in compliance.                |
| UCMR 4                      | 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 SOC               | 0 samples                     | As needed        | All in compliance.                |
| Nitrate as N                | 2 samples                     | As needed        | All in Compliance.                |
| Chromium 6                  | 0 samples                     | Quarterly        | All in Compliance.                |
| Secondary GP'S              | 0 samples                     | As needed        | All in Compliance.                |
| Uranium                     | 0 samples                     | As needed        | 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>         | 157.26A. F. 26.5% less than 2013                                  |
| <b>2013 Monthly Production</b>          | 213.91 A. F.  |
| <b>USA's Marked</b>                     | 1101  |
| <b>Service Orders Completed</b>         | 308 service orders completed                                      |
| <b>Main/Service Line Leaks</b>          | 12 service line leaks repaired. 1 Main line leak/ breaks repaired |
| <b>Hydrant Repairs/Replacements</b>     | 1 hydrant repaired/0 replaced                                     |
| <b>Residential Meters Sold</b>          | 4   |
| <b>Commerical Meters Sold</b>           | 0   |
| <b>YTD Total Meters Sold (Calendar)</b> | 13  |
| <b>Construction Meters Out</b>          | 2   |
| <b>Service Lines Replaced</b>           | 12  |

### **Job Code Summary**

| <b>Job Code</b>   | <b>Total Completed</b> |
|---|------------------------|
| C-Lock - Lock   | 67                     |
| C-Read & Unlock-Open - Read & Unlock - Opening              | 2                      |
| C-Read & Unloc-OC-DM - Read & Unlock - Opening-OC-DM        | 54                     |
| D-Closing Read & Lck - Closing Read & Lock DO NOT USE       | 5                      |
| D-Closing Read-OC-DM - Closing Read & Lock-OC-DM DO NOT USE | 0                      |
| M- Investigate Lock - Verfiy Meter Still Locked             | 14                     |
| M- Verify Acct Class - Verify Account Class                 | 0                      |
| M- Water Audit - Audit Water Usage                          | 4                      |
| M-Backflow - Backflow Information                           | 0                      |
| M-Cost Estimate Req - Cost Estimate Request                 | 0                      |
| M-Data - Data Log   | 12                     |
| M-Double Check Valve - Install Double Check Valve           | 0                      |
| M-Investigate Leak - Investigate Leak                       | 1                      |
| M-Investigate No Wtr - Investigate No Water                 | 0                      |
| M-Lock No N/O Info - Meter Locked No New Owner Info         | 14                     |
| M-Low/No Consumption - Investigate Low/No Consumption       | 8                      |
| M-Meter Leaking - Meter Leaking                             | 0                      |
| M-Meter UTL - Buried - Meter UTL - Buried                   | 0                      |
| M-Pressure Ck Hi-Low - Pressure Check Hi-Low                | 0                      |
| M-R/R Angle Stop - Repair/ Replace Angle Stop               | 2                      |
| M-R/R Gate Valve - Repair/ Replace Gate Valve               | 4                      |
| M-Read - Read (do not update Read)                          | 14                     |
| M-Repair Svc Line - Repair Service Line                     | 10                     |
| M-Repair/Install Box - Meter Box                            | 1                      |

|   |         |
|---|---------|
| M-Replace Serv Line - Replace Service Line                | 12      |
| M-Stake Meter Loc - Stake Meter Location                  | 5       |
| M-Status - Status   | 3       |
| M-Turn off-Cust Req - Turn off - Customer Request         | 1       |
| M-UNLOCK – UNLOCK   | 28      |
| M-Verify Leak Repair - Verify Leak Repaired               | 17      |
| M-Water Loss Leak - Door Hanger Water Loss Leak           | 4       |
| M-Water Quality Tast - Water Quality - Taste              | 1       |
| S- Replace Register - Register Not Sending Signal         | 17      |
| S- Meter Downsize - Meter Downsizing                      | 0       |
| Service Change - Service Status Change                    | 7       |
| S-Replace Mtr & Reg - Replace Entire Meter Max Life Usage | 0       |
| S-Replace Reg Hotrod - Replace Register Hotrod Died       | 0       |
| S-Replace Register - Replace Register Mueller             | 0       |
| S-Replace Register D - Replace Reg Data Log Unreliable    | 1       |
| <br>Grand Totals  | <br>337 |

### **Summary of Current Projects**

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

- Monthly PRV Inspections (Ongoing Process)
- Well Soundings at all wells are being done monthly
- Monthly Tank Inspections: 36 tanks were inspected
- Valves and Hydrants Maintenance: 0 hydrants flushed and painted YTD Total-0
- Preventative Maintenance is being done on all Booster Pumps and Wells.
- Dead End Flushing of District dead end mains and laterals- 317 flushed 100 % Complete
- Service line replacement program on target to meet current established goals. 20 Replaced Year To Date
- Air-Vac maintenance & flushing program-5 Flushed & Maintained YTD-57 of 336 Total Project 16% Complete
- USA Locates of District assets for Race Communication Monthly-1101 YTD-2883 Total-12450 Project 65%
- Well and Booster pump energy efficiency testing- 70 % Complete
- Well Meter and inter-tie efficiency annual program- 100% Complete
- Cla-Val automatic controls valves being systematically rebuilt as a water conservation measure- 6 CompleteYTD  
Water savings from this project is 9.5 GPM and counting @ 5MG

### **Projects Completed**

- Booster B @ 10& 11 removed for inspection and rebuild 50 % Complete  
Water savings from this booster is 2.5GPM @ 1.2MG
- Reservoir 6A Exterior coated- 100% Complete
- Oil Changes and greasing at all district wells 100% Complete Boosters 100 % Complete
- Booster pump speed controls adjusted at pump control valves to mitigate pressure fluctuations to decrease system pressure fluctuations and decrease leaks 100% complete
- 61 Valves Turned this month as part of district Valve Exercising Program, 113 Year To Date Turned of 4291 District Total
- Reservoir “Wash-Outs” and interior inspections for FY18-19 90% complete
- Roofs @ 1B, 5A, 2A repaired and replaced- 100% Complete
- Booster C at Site 2B installed, plumbed, wired telemetry functioning-100% Complete
- Implementation of “Water Pigeon” @ well sites for ease of production meter reading- 100% Complete
- Overlifespan Meter Replacements 100% Up to Date