

**Pinewood Springs Water District
Special Hearing & Regular Meeting Agenda December 14th, 2023**

**Special Public Hearing
Water Main Replacement Infrastructure Project
Public Input**

Copies of the PNA documents and a recording of the Public Hearing are available for public review at the District's website, <https://www.pswd.com/important-notice-and-documents>.

This Public Hearing was being conducted for informing citizens and soliciting public input, written or oral, regarding the Pinewood Springs Water District - Water Main Replacement Infrastructure Project, Project Needs Assessment (PNA).

Special Public Hearing – Water Main Replacement Infrastructure Project

of the Board of Directors of the Pinewood Springs Water District's Water Enterprise.

Conducted virtually via Zoom video conference.

Zoom topic: Pinewood Springs Water District SRF Public Meeting

Time: Dec 14, 2023 07:00 PM Mountain Time (US and Canada)

Join Zoom Meeting

<https://us02web.zoom.us/j/87042610392?pwd=LzdIWEFHS2sxUVdnY2FmUGovbVFLUT09>

Meeting ID: 870 4261 0392

Passcode: PSWD-SRF

Attendance

Board Members Present: Stephen Stewart, Kim Bologna, Dan Robinson, Patty Peritz **Absent:** None

District Employees Present: Gabi Benson, Bobby Longworth **Absent:** None.

Presenters Present: Jim Easter, Patty Peritz, Christy Crosser, Bobby Longworth, Gabi Benson

SRF Infrastructure Project Team: Jim Easter-mechanical engineer, Greg Steed-civil engineer, Patty Peritz, Christy Crosser, Bobby Longworth, Gabi Benson

Community Members Present: Ardean Johnson, Evan Jones, Denise Wilbanks, Catherine Reaves, Steve & Cindy LeMaire, Dick Wilcox, Danielle Andres, Lora Larson, Mark Davis, Steve Ritter

Establish a quorum: Yes.

Meeting opened at 7:04 PM

Open Special Public Hearing – Water Main Replacement Infrastructure Project at 7:04 PM.

Presentation topic - Pinewood Springs Water District - Water Main Replacement Infrastructure Project, replacement of five sections of water mains; (1.) Button Rock, (2.) Wichita, (3.) Cree Ct., (4.) Meadow's to Cherokee,(5.) Kiowa Hopi.

Introduction – Board members, District employees, presenters, and community members introduced themselves.

Presenter Jim Easter started the presentation. Jim introduced himself as a Pinewood Springs resident and a mechanical engineer with experience in hydraulics. He added if there are any questions not answered during the presentation, they can be answered offline and put on the District's website. The Public Hearing recording will be uploaded to the District's website. Jim introduced the SRF infrastructure project team, the PNA and submission, along with the PNA 60-day review period.

Jim presented an overview of the project.

Identifying the five sections of water mains in need of replacement, the need, and what we expect to accomplish.

(1.) Button Rock, (2.) Wichita, (3.) Cree Ct., (4.) Meadow's to Cherokee, (5.) Kiowa Hopi

Jim shared his screen presenting an aerial view map of Pinewood Springs, with layers indicating the PWS map and the entire distribution system, identifying the location and number of leaks within each of the (5) trouble segments "[PWS- Map_Water-Improvement-all-layers-v01.pdf](#)." Jim described the history of struggles to maintain the aging system noted 49 years ago. The map was generated in 1976 with many changes over the years with the 30-45K linear feet distribution system. The District is proposing to improve 1/3 of the entire distribution system. Most of the system is not code compliant. The District has made patchwork repairs over the years. Today the distribution system is not sustainable. The District is losing more than half of its water production over leaks. The District must do something to fix it.

Jim explained the need for the project with leaks from 2021 clustered in five trouble areas. Springing leaks are unpredictable leading to greater and greater loss of water, which are not to get better in years to come. Major leaks of 10K gallons occur while the District is not able to stop it. The long-range forecast is not good.

Jim explained what the District expects to accomplish. The District wants to replace the system bringing everything up to code compliance within the five trouble areas with 4" line, proper psig pneumatic pressure, and providing a sustainable system.

Jim explained the District's plan is to improve these trouble segments in five stages.

(1.) Button Rock – The worst segment losing more water than any other segment. Replace 1,800 lf of water main pipe, 16 taps/meters, 5 valves, 16 PRVs, 3 hydrants, and 16 backflow prevention devices. All would have reliable pressure, higher quality of water, and continued monitoring to confirm pressure.

(2.) Wichita – When it leaks uphill it looks like a little river. Directly adjacent to fixing one leak, it creates another. Replace 2,220 lf of water main pipe, 23 taps/meters, 4 valves, 23 PRVs, one hydrant, and 23 backflow prevention devices.

(3.) Cree Ct. - Replace 1,362 lf of water main pipe, 16 taps/meters. Same treatment as everything else.

(4.) Meadow's to Cherokee – There are a couple break points. Standard hydrants at either end. Replace 3,036 lf of water main pipe, 9 taps/meters, 4 valves, 9 PRVs, two hydrants, and 9 backflow prevention devices.

(5.) Kiowa Hopi - Replace 2,290 lf of water main pipe, 27 taps/meters, 27 valves, 27 PRVs, two hydrants, and 27 backflow prevention devices.

The segments will be done sequentially. The way it will be done is to trench the segment, lay down new line, flush, and test pipe. This process will be transparent to the users. There will be no customer impact to users during this time of 3 weeks. Then cutting over to the taps. Any given customer should see one half to a full day of loss of water service. Pressure will be higher and reliable when going from current 1" non-code compliant pipe to 4" code compliant pipe and adding new PRVs to each tap.

Responsiveness Summary

Customer – Is each line's timeline 3-4 weeks?

Engineer Jim – Yes.

Customer – Are the devices, PRVs, added a cost to the homeowner?

Engineer Jim – No. That is built into the project cost, not a customer cost.

Customer – Do the hydrants allow for firefighters to tap into for use?

Engineer Jim – They are a fire hydrant with fire thread, but the Water District does not provide fire service with water.

Customer – Is the pipe still going to be black plastic?

Water Super/ORC – The pipe you see us pulling out of trenches will be replaced with HDPE 4" DR11. It's the greatest thing we know of this time.

Customer – Is that schedule 80?

Civil Engineer – The different PE pipe is different grades. Low density pipe is old pipe, not measured in schedule. The 1970 pipe and today's pipe are vastly different. The pipe from the 70s has a 50-year life. Today's HDPE pipe lasts 100 years. Is state-of-the-art.

Water Super/ORC – With the additional sampling points we can cut down the loss that we see, move water in an organized and predictable pattern, and fill tank levels without worrying about losing water. It forces us to maintain the highest tank level as possible.

Being able to move water and control how much and where we pit water should be the biggest key to bringing those Disinfection Bi-products, DBP's, out of our system.

Customer – What is the design pressure to meet at homes? Will each home have a backflow prevention device and where will that be installed?

Water Super/ORC – We will have a backflow prevention device, each zone will have a pressure rated above 45 psig, the state requirement. We don't want to allow your house at the bottom of the mountain to experience 100 psig. Installing PRVs prevents shock to the system.

Financials

Presenter Patty Peritz presents financials. Patty shared her screen with the detailed estimate project cost sheet, "*PWS SRF Infra Project_Detailed Budget Estimate.xlsx*", defining each segment's linear footage, material and labor costs, and total costs. Presented the total cost of the project.

The District's budget is prepared to meet daily expenses and yearly system improvements. By increasing our rates by approximately 3% each year since 2011, the District has come close to the increase in the cost of supplies required to operate the District. However, with the recent jump in the cost of living, the District found it necessary to raise rates for 2022 by 5% and then for 2023 by 8.5%.

Patty mentioned the District sought funding back in 2021 for the first most troublesome segment, Buttonrock. She applied for applied for a CWCB WSRF SPBRT grant back in March of 2022 and was denied. The search for funds continued. Then the Bipartisan Infrastructure Law (Bil) was passed providing an opportunity to apply for funds. There were four more segments identified for replacement by then.

Responsiveness Summary

Customer – Customer mentioned he applied for a CWCB grant on behalf of the District. Will all 302 residents pay for the five trouble spots? Where can I find the result of the water quality testing? Why did we get denied for the SPBRT grant?

Patty – CWCB and SPBRT together made up the WSRF grant opportunity. At the time of applying for the grant, the District was eligible meeting the requirements on both sides, CWCB and SPBRT. During the time span of the application process SPBRT changed their requirements of eligibility where funding would be available only for projects above ground, parks, rivers, etc., not anything underground, like pipes. With the SRF loan all 302 residents would pay the cost of the project over a period of 30 years.

Water Super/ORC – The results of the water quality testing will be included the next month's water bill.

Customer – Would an in-home filter improve the water quality?

Water Super/ORC – Not necessarily, it would be a personal preference.

Engineer Jim – What timeline do we have indicated for the loan application process?

Patty – With the estimated date of completion of the Design & Engineering Phase by end of April 2024, the loan application process begins beginning of May 2024. Loan execution is targeted for completion at the end of June 2024. Construction begins in the first week of July 2024 to be completed within seven months by the end of November 2024. The eight steps of the SRF loan application process were explained.

Engineer Jim – The next event will be the PNA response in early January 2024. Christy and team are looking at other grant mechanisms.

Customer – Still has issue with water contaminants.

Water Super/ORC – Those will be included in the next water bill mailing. The Disinfection Bi-products of interactive materials are categorized as HAA5's and TTHM's. The DBP results were found at the LOW end of the spectrum and, the District IS in current violation for treatment bi-products.

Engineer Jim – Any more questions? If any more questions come up, reach out to Gabi.

Special Public Hearing was transferred over to the Regular Meeting.

A separate Zoom link was provided with meeting ID and code.

Adjourn Special Public Hearing – Water Main Replacement Infrastructure Project at 8:08 PM.

Respectively submitted by Patty Peritz, PSWD Board Secretary.

Approved 01/24/2024