



**NOTICE OF SPECIAL  
ENGINEERING/ENVIRONMENTAL  
COMMITTEE  
MEETING  
FEBRUARY 2, 2023**

**NOTICE IS HEREBY GIVEN** that the San Lorenzo Valley Water District has called a special meeting of the Engineering/Environmental Committee to be held on **Thursday, February 2, 2023, 8:30 a.m.**, via video/teleconference.

There will not be any physical location for this meeting. Pursuant to AB 361 and San Lorenzo Valley Water District Resolution No. 4 (21-22) this meeting will be conducted by video/teleconference. Any person in need of any reasonable modification or accommodation in order to participate in the meeting may contact the District Secretary's Office at (831) 430-4636 a minimum of 72 hours prior to the scheduled meeting. The meeting access information is as follows:

<https://meet.goto.com/663406997>

You can also dial in using your phone.

(For supported devices, tap a one-touch number below to join instantly.)

United States (Toll Free): 1 866 899 4679

- One-touch: <tel:+18773092073,,663406997#>

United States: +1 (571) 317-3116

- One-touch: <tel:+15713173129,,663406997#>

Access Code: 663-406-997

**AGENDA**

1. Convene Meeting/Roll Call

2. Oral Communications

*This portion of the agenda is reserved for Oral Communications by the public for items which are not on the Agenda. Please understand that California law (The Brown Act) limits what the Board can do regarding issues raised during Oral Communication. No action or discussion may occur on issues outside of those already listed on today's agenda. Any person may address the Committee at this time, on any subject that lies*

*within the jurisdiction of the District. Normally, presentations must not exceed five (5) minutes in length, and individuals may only speak once during Oral Communications. Any Director may request that the matter be placed on a future agenda or staff may be directed to provide a brief response.*

3. New Business:

*Members of the public will be given the opportunity to address each scheduled item prior to Committee action. The Chairperson of the Committee may establish a time limit for members of the public to address the Committee on agenda items.*

- a. INTRODUCTIONS  
Each member of the committee will introduce themselves.
- b. ELECTION OF THE COMMITTEE CHAIR FOR 2023
- c. SET DAY AND TIME FOR COMMITTEE 2023 REGULARLY SCHEDULED MEETINGS
- d. DISCUSSION BY COMMITTEE AND STAFF REGARDING FUTURE MEETING AGENDA ITEMS

4. Unfinished Business:

*Members of the public will be given the opportunity to address each scheduled item prior to Committee action. The Chairperson of the Committee may establish a time limit for members of the public to address the Committee on agenda items.*

- a. ENGINEERING PROJECTS UPDATE  
Review and discussion by the Committee regarding projects updates.
- b. ENVIRONMENTAL PROJECTS UPDATE  
Review and discussion by the Committee regarding projects updates.

5. Informational Material

Here is a link to previous Engineering/Environmental Committee meeting minutes:

[All Engineering/Environmental Committee Meeting Minutes | San Lorenzo Valley Water District \(slvwd.com\)](#)

6. Adjournment

*Agenda documents, including materials related to an item on this agenda submitted to the Committee after distribution of the agenda packet, are available for public inspection and may be reviewed at the office of the District Secretary, 13060 Highway 9, Boulder Creek, CA 95006 during normal business hours. Such documents may also be available on the District website at [www.slvwd.com](http://www.slvwd.com) subject to staff's ability to post the documents before the meeting.*

**Certification of Posting**

I hereby certify that on January 27, 2023, I posted a copy of the foregoing agenda in the outside display case at the District Office, 13060 Highway 9, Boulder Creek, California, said time being at least 24 hours in advance of the special meeting of the Admin Committee of the San Lorenzo Valley Water District in compliance with California Government Code Section 54956.

Executed at Boulder Creek, California, on January 27, 2023.

\_\_\_\_\_  
Holly B. Hossack, District Secretary

Memo

From: District Engineer

To: Engineering Committee

Date: February 2, 2023

Subject: Summary of Projects

Current status of District projects is summarized below.

***Projects in design or construction:***

1. 2021 CIP Pipeline Replacements
  - a. Contractor (JMB Construction) has provided submittals, Staff have reviewed same; JMB has ordered materials and will develop a project schedule when delivery timeframes become available, anticipated to be Summer 2023.
  - b. Project includes all Capital Improvement Plan pipeline replacements for FY 21/22:
    - i. Orman Road
    - ii. Juanita Woods area
    - iii. Zayante Drive
    - iv. Oak Avenue/Hermosa Avenue area
  - c. Project also includes replacement of existing tank for Blue Ridge pressure zone
2. 2021 FEMA Pipeline Replacements
  - a. Staff are preparing an RFP for construction of Harmon St improvements, anticipated publication is mid to late February 2023;
  - b. Eckley zone/Ridge Dr is being revised to coordinate with Bracken Brae/Forest Springs consolidation pipeline and booster station development.
3. 5-Mile and Peavine Pipelines
  - a. Staff are working to determine next steps.
4. Alta Via/Monan/Prospect Pipeline
  - a. Sandis (CM firm) is working with APEC on submittal review and other preliminary tasks.
  - b. Project kickoff meeting was held on 12/1. Schedule will be finalized once materials availability and associated impact to the project schedule have been identified. APEC has received initial materials shipments.
  - c. Partial project ductile iron pipe materials were received in January and are staged at the contractor's rented yard in Ben Lomond. Remaining materials are still delayed, no delivery date has been provided.

5. Brookdale Tank Recoating
  - a. Staff are finalizing an RFP for rehabilitation of the Brookdale tank. Publication of this RFP has been delayed until FY 22/23 due to budget shortfall. Staff anticipate advertisement of this RFP in March 2023, vice the previous estimated publication of January 2023, with work to follow in Summer of 2023. Additional delay is due to prioritization of repair of damages suffered during the storms in January 2023.
  - b. Rehab will include recoating interior, painting exterior, updating vent system from perimeter vents to a single center vent, repair of level indicator, and re-caulking of tank base.
  
6. CA-9 Bridges Water Main Relocation Design
  - a. MME has received approval of plans from Caltrans and is preparing construction drawings for the District.
  
7. Consolidation of Bracken Brae and Forest Springs
  - a. Sandis has provided preliminary drawings for the pipeline alignment and pump station
  - b. Sandis has submitted an ASR for additional design work at the proposed tank site, staff are identifying available funding sources. Note that the tank replacement work is not covered under the DWR grant application and will eventually be paid for by the two mutuals.
  - c. Staff are coordinating work with both mutuals
  - d. Staff have obtained easements for pump station location and have obtained agreement from downslope neighbor to grant an easement at the tank site.
  - e. Staff are working with Santa Cruz County and Boulder Creek Fire to determine necessary temporary fire protection work.
  
8. Fall Creek Fish Ladder
  - a. RFP incorporating changes to address RFIs received during the previous bidding process has been published. Bids are due January 31, 2023.
  - b. Plans were revised to remove steel plates at weirs, reducing cost and allowing for revision of weir crest contour to provide a 4-in radius across the entirety of each weir.
  
9. Felton Acres Pressure Tank **(in planning phase)**
  - a. Staff are evaluating options for replacement or elimination of the failing Felton Acres pressure tanks.
  - b. Staff are planning an investigation into the ability of either Pine or McCloud tanks to provide service to the area currently served by the failing tanks. Investigation will take place in summer to maximize demand during testing.
  
10. Felton Heights Tank
  - a. Staff are continuing to work with local road association and adjacent property owners to obtain agreement to replace existing tank, progress is extremely slow due to resistance to the project from homeowners.

11. Foreman Grading/Erosion Control

- a. Project was awarded to McGuire and Hester.
- b. Staff are coordinating contract documents and schedule with Contractor.
- c. Staff are exploring possible addition of electrical conduit construction (to serve future pressure break structure at Foreman intake) to this work.
- d. Contractor and Designer will be touring the site to evaluate required changes to previous plan due to storm damage (January 2023 storms).

12. Glen Arbor Bridge Crossing

- a. Project is completed, currently in Post-Construction (punchlist) phase.
- b. Materials required to complete punchlist are delayed, expected delivery in March 2023.

13. Huckleberry Island Main Rerouting

- a. Preliminary plans and calculations have been reviewed by Staff.
- b. MME has prepared required easements; Staff are working with property owners to finalize same.
- c. Staff are working with Legal to determine and acquire easements for the bridge crossing.
- d. Emergency 12-in temporary pipeline was completed in January 2023 after embankment washout and further pipe failure on 12/31/2022.

14. Lyon Slide/Complex Access Road

- a. District staff have provided final comments to Sandis for incorporation into final design.
- b. District Staff are coordinating with CalOES and FEMA regarding approval of the road as an "Alternate Project" in place of the previously proposed retaining wall systems.
- c. January 2023 storms resulted in the slide reactivating and dropping the road approximately 6-feet. Staff are tracking water discharge from the hillside and will contract to have a temporary road constructed when it becomes safe to do so.

15. Lyon Pipeline Replacement

- a. Low bidder is Monterey Peninsula Engineering; Staff provided a recommendation to award to the Board, included in the February 2, 2023 agenda.

16. Redwood Park (Swim) Tank

- a. Low bidder is Casey Construction; Staff provided a recommendation to award to the Board, included in the February 2, 2023 agenda.
- b. Design and construction of replacement tank will follow design of pipeline. The intent is to complete construction of the pipeline before starting construction of the tank in order to allow use of the tank site for staging during pipeline construction. The area is extremely tight and no other staging area would be available.

## MEMO

To: Chair, Engineering and Environmental Committee  
From: Environmental Programs Manager  
Subject: Environmental Project Summary  
Date: February 2, 2023

### Executive Summary:

Staff have prepared the attached project summary and will provide highlights of particular interest to the Committee in this Memo.

Staff will be prepared to discuss any of the projects, to whatever depth the Committee desires.

### Project Highlights

1. Bureau of reclamation Small-Scale Water Efficiency Projects – WaterSMART grant awarded. 100K for AMI Meters.
2. Blue Ridge Tank IS-MND adopted by Board of Directors.

### Current Projects

1. CIP Project Permitting
  - a. Lyon Treatment Plant Access Road Slide (FEMA funded - 2023)
    - i. Waiting FEMA approval for alternate access route
    - ii. Permitting process to kick-off once alternative route approved
  - b. 5-mile and Peavine pipeline
    - i. Geotechnical peer-review complete
    - ii. Tree surveys TBD by Board of Directors
  - c. Huckleberry Island pipeline replacement
    - i. CEQA NOE to be refiled with updated easement information.
    - ii. Staff working to secure easements
  - d. Blue Ridge Tank
    - i. CEQA IS-MND adopted by Board in December
  - e. Bracken Brae & Forest Springs Consolidation
    - i. Consultant developing IS-MND
  - f. Big Basin Water Consolidation
    - i. Staff working on state revolving fund (SRF) planning application (~3 million)
  - g. Fuel Reduction Annual Maintenance Contract

- i. Staff prepared a RFP for on-going maintenance of fuel reduction around critical infrastructure. Released and closed February 2023.
    - ii. Tour for interested consultants scheduled.
  - h. Felton Heights Tank
    - i. Environmental permitting contract awarded
    - ii. Awaiting site selection
  - i. Bear Creek Estates
    - i. SRF application in process
    - ii. Median Household Income (MHI) in process
    - iii. County of Santa Cruz submitted SRF application for CSA-7
  - j. Alta Via
    - i. Notice of Exemption (NOE) filed
    - ii. Need to complete cultural resources review
  - k. Zayante drive pipeline
    - i. NOE & CEQA checklist in process
  - l. Fall Creek Fish Ladder
    - i. Project construction RFP open.
    - ii. Erosion control to be installed
- 2. System Tours
  - a. Sempervirens Fund – Malosky easement completed
  - b. City of Santa Cruz rescheduled to Spring 2023
  - c. NRCD funding opportunities rescheduled to February
- 3. Sanitary Survey
  - a. Staff working with the City of Santa Cruz to complete an updated Sanitary Survey
  - b. City & SLVWD asking for extension.
- 4. Grants
  - a. Bureau of reclamation Small-Scale Water Efficiency Projects – WaterSMART grant
    - i. Application submitted April 29th for \$100k toward AMI meter upgrades.
    - ii. Awarded January 2023
  - b. DWR Sustainable Groundwater Management Grant Program
    - i. Submitted December 2022
  - c. State Revolving Fund for Consolidations
    - i. Staff working on applications for Big Basin Water consolidation & Bear Creek Estates Waste Water system consolidation into County.
    - ii. Median Household Income survey needed for Bear Creek Wastewater to determine Disadvantaged Community (DAC) status (100% grant funded if DAC).
  - d. Santa Cruz Integrated Regional Water Management (IRWM)
    - i. Hardening of 13 pump house structures (~300k)
    - ii. Application submitted.
  - e. Urban Community Drought Relief Funding
    - i. Application in process (6 tank replacements)



- ii. Due January 31, 2023
5. Conjunctive Use Planning
    - a. Regulatory agency permitting (including diversion permitting) in progress
    - b. Staff working on operational planning.
    - c. Request for information sent to staff & project biologist to develop updated project description
  6. All other projects, outreach, and further project descriptions will be available in the December Environmental Status Report as part of the BoD agenda