



## REVISED NOTICE OF ENVIRONMENTAL COMMITTEE MEETING

Responsible for matters of stewardship of the District's property including: Urban Water Management Plans; Water Conservation Programs; Classis Watershed Education Grants; Watershed Management; Resource Management and other environmental related matter.

**NOTICE IS HEREBY GIVEN** that the San Lorenzo Valley Water District has called a regular meeting of the Environmental Committee to be held Thursday, **June 13, 2019 at 9:30 a.m.** at the Operations Building, 13057 Highway 9, Boulder Creek, California.

### AGENDA:

1. Convene Meeting/Roll Call
  - A. APPOINT THE COMMITTEE CHAIR  
Discussion by the Committee to appoint a chair of the Committee.
2. Oral Communications:  
***This portion of the agenda is reserved for Oral Communications by the public for items that are not on the Agenda. Any person may address the Committee at this time, on any subject that lies within the jurisdiction of this committee. Normally, presentations must not exceed three (3) minutes in length, and individuals may only speak once during Oral Communications. No actions may be taken by the Committee on any Oral Communications presented; however, the Committee may request that the matter be placed on a future agenda. Please state your name and town/city of residence at the beginning of the statement for the record.***
3. Old 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. WATER AVAILABILITY FOR CONJUNCTIVE USE PLAN  
Discussion and possible action by the Committee regarding Water Availability/Hydro Scenarios.  
<http://www.slwvd.com/pdf/Water%20Availability%20Assessment%20v3%20with%20Tables%20&%20Figures.pdf>
4. 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. FIRE PLANNING PREPARATION & HISTORY  
Discussion and possible action by the Committee regarding updates on current Fire Planning efforts.
  - B. PG&E PUBLIC SAFETY SHUTOFFS  
Discussion and possible action by the Committee regarding summary of PG&E Public Safety Shutoffs.
  - C. UPDATE ON ENVIRONMENTAL PROJECTS  
Discussion and possible action by the Committee regarding information on Environmental projects.

5. Informational Material: None
6. Adjournment

***In compliance with the requirements of Title II of the American Disabilities Act of 1990, the San Lorenzo Valley Water District requires that any person in need of any type of special equipment, assistance or accommodation(s) in order to communicate at the District's Public Meeting can contact the District Office at (831) 338-2153 a minimum of 72 hours prior to the scheduled meeting.***

***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 June 10, 2019, 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 72 hours in advance of the meeting of the Environmental Committee of the San Lorenzo Valley Water District in compliance with California Government Code Section 54956.

Executed at Boulder Creek, California, on June 10, 2019.

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Holly B. Hossack, District Secretary  
San Lorenzo Valley Water District

## MEMO

TO: Environmental Committee

FROM: District Manager

PREPARED BY: Environmental Programs Manager

SUBJECT: Review and Discuss Water Availability Assessment for a Conjunctive Use Plan for the San Lorenzo Valley Water District

DATE: June 13, 2019

### **RECOMMENDATION:**

It is recommend that the Environmental Committee review and discuss Staff Recommendations for the Water Availability Assessment Scenarios for Conjunctive Use Plan.

### **BACKGROUND**

The San Lorenzo Valley Water District (SLVWD) and the County of Santa Cruz received grant funds from the Wildlife Conservation Board to conduct a hydrologic assessment and a fish assessment to determine how best to:

1. Optimize District Operations to improve fish habitat in the SLR. (The grant is from the Wildlife Conservation Board and this is their first priority.)
2. Reduce over pumping and improve aquifer recharge in the South System.
3. Resolve the violation on the Fall Creek Water Right.
4. To complete CEQA on the existing intertie in order to optimize operations and sustainably manage water supply.
5. Develop an Operational Conjunctive Use Plan.

On March 15, 2018 your Board approved a contract with Exponent for a Hydrologic Assessment and Mike Podlech, Fish Biologist to evaluate impacts from the findings in the Hydrologic Assessment for the San Lorenzo Valley Water District. The Hydrologic Assessment is now complete and was received by the Board on February 21, 2019. The Hydrologic Assessment quantified the outcome of 4 separate scenarios with additional 21 alternatives to those scenarios. This hydrologic assessment is the foundation by which our fish biologist can base the biological justification for the potential change on the Fall Creek Water Right.

## **RECOMMENDATIONS:**

Staff recommends moving forward with the following scenarios for the fish assessment.

### **6.3.2 - Scenario 1b. Felton Complies with existing bypass flow requirement and not the San Lorenzo River Big Trees Gage.**

This would require a petition to change the Fall Creek Water Right to:

1. Disassociate with the SLRBT gage.
2. Change language to discontinue diversions when bypass flow is unmet
3. This would require a new source of supply to meet demand(35 – 85 afy) in Felton.

Disassociate Bull Creek From the water right.

Come up with new bypass flows

### **6.3.4 - Scenario 1f. South System imports North System Potential Diversions**

This will require CEQA on North South Intertie.

### **6.4.2 - Scenario 2b. South System imports water from Loch Lomond for In-Leiu Recharge**

1. Purchase treated water from City. (Would water supply be interruptible during dry periods?)
2. Treat Water at Felton Water Treatment Plan & Blend with Fall Creek water to be exported to South System

## **NEXT STEPS:**

Once we have the Hydrologic justification and the biologic justification, we can then move forward with a petition to change the water right & initiate the Initial Study for CEQA on the interties and develop the optimized operational plan to manage water supply sustainably through conjunctive use.

## **2015 STRATEGIC PLAN:**

Strategic Element 1.0 – Water Supply Management

Strategic Element 2.0 – Watershed Stewardship

## **FISCAL IMPACT:**

100% Grant Funded

## MEMO

To: Environmental Committee

From: District Manager

Prepared by: Environmental Programs Manager

SUBJECT: FIRE PLANNING PREPERATION & HISTORY

DATE: JUNE 13, 2019

### **RECOMMENDATION**

It is recommended that the Environmental Committee review this memo summarizing the District's Fire Planning history and staff's updates on current Fire Planning efforts and provide direction for the future of the District's fire planning efforts.

### **BACKGROUND**

Over the last decade fire risk throughout California has increased and risk is predicted to rise as climate changes. Additionally, Pacific Gas and Electric (PG&E) has been making significant changes in their fire safety protocols, which will have significant impacts on the District's operations. The District's emergency planning documents have limited information on fire and its potential effects on District property & infrastructure. Staff is working on creating a detailed fire plan to be used internally and for local fire agencies in the case of a wildfire in the San Lorenzo Valley.

The 2015 Watershed Management Plan states that Fire Planning is a secondary goal, under the District's goals 2.4.1. The Watershed Management Plan objectives of fire planning are as follows:

**SECONDARY GOAL:** Protect the watershed, adjacent urban areas, and the public from fire and other hazards (FH).

Objectives for achieving each goal are numbered beneath the goal and are identified by the following goals:

For example: District lands (DL) objectives and policies:

1. Objective FH1-DL Reduce the risk of catastrophic wildfire to persons, structures and cultural resources on District lands.

Policy FH1-DL1 Map fire hazards on District lands and conduct a wildfire risk analysis.

Policy FH1-DL2 Develop a specific emergency response readiness plan for fire.

Prior to the 2015 Watershed Management Plan, fire was discussed only briefly in the District's 1986 draft Emergency Plan and the 1993 Disaster Plan. Neither of these documents touch on fire effects on water supply, protecting infrastructure, mapping of District properties, or risk reduction.

Staff had begun identifying all District Infrastructure spread throughout the San Lorenzo Valley, were in the process of developing a map for fire personnel, and had begun working with local fire agencies to provide tours of District lands in an effort to ensure fire personnel can access properties for fire suppression efforts. As of June environmental staff have been eliminated from the Environmental Department due to budget cuts and there is no longer sufficient staffing to continue work. An example of the documentation of District infrastructure is provided on the next page.

It is recommended the District make fire planning a priority and update emergency plans.

FISCAL IMPACT: ?

STRATEGIC PLAN:

Strategic Element 2.1 Watershed Management Plan

Strategic Element 2.3 Climate Action Plan

Strategic Element 7.0 - Strategic Partners

**Outline:**

Property Name:

Property Addresses:

Door Combinations:

Neighbors:

Property Description:

APN:

Access:

Let Burn Areas: None

Strong Suppression Needs:

Potential Suppression Problems:

Fire History: Unknown

Potential Aids/Fuel Breaks:

Initial Attack Plan: Responding agencies will determine the equipment and manpower necessary for the fire.

**Site Visit List**

Fall Creek Fish Ladder (add photos)

Lower Pasatiempo Tank & Access Road (access info)

Bennett/Bull Creek Watershed (address, descriptions of access)

North West Bull Creek Watershed (address, descriptions of access, suppression needs)

Northern Bennett Creek Watershed (address, descriptions of access, suppression needs)

Ley Road Waterline (address, descriptions of access, suppression needs, potential aids)

MC Cloud Tank (address, descriptions of access, suppression needs, potential aids)

Hillcrest Booster Pump Station (address, descriptions of access, suppression needs, potential aids)

Hillcrest Waterline Crossing (address, descriptions of access, suppression needs, potential aids)

Felton Acres Water Storage Tank, Well, and Storage Facility (address, descriptions of access, suppression needs, potential aids)

Pine Drive Tank Facility (address, descriptions of access, suppression needs, potential aids)

Southern Bull Creek Watershed (address, descriptions of access, suppression needs, potential aids)

Bennett Spring Distribution Piping (address, descriptions of access, suppression needs, potential aids)

Bull Creek Watershed (address, descriptions of access, suppression needs, potential aids)

Blair Tank (address, descriptions of access, suppression needs, potential aids)

Kirby Water Treatment Plant (Door combination, potential suppression issues)

Lower Pasatiempo Tank (address, descriptions of access, suppression needs, potential aids)

Lower El Solyo Booster (address, descriptions of access, suppression needs, potential aids)

Zayante Creek Waterline Crossing (address, descriptions of access, suppression needs, potential aids)

Olympia Box Gulch (address, descriptions of access, suppression needs, potential aids)

Reagon Tank (address, descriptions of access, suppression needs, potential aids)

Liebenberg Tanks (address, descriptions of access, suppression needs, potential aids)

Coon Tank (address, descriptions of access, suppression needs, potential aids)

Quail Well 4A (address, descriptions of access, suppression needs, potential aids)

Quail Well 3 (address, descriptions of access, suppression needs, potential aids)

University Booster (address, descriptions of access, suppression needs, potential aids)

University Tank No. 1 (address, descriptions of access, suppression needs, potential aids)

University Tank no. 2 (Door combination, potential suppression issues)

Quail Storage Facility (Door combination, potential suppression issues, and access)

Olympia Watershed (7 parcels) (address for access, descriptions of access, suppression needs, potential aids)

Zayante Watershed (7 parcels) (address for access, descriptions of access, suppression needs, potential aids)

Zayante Tank #9 (address for access, descriptions of access, suppression needs, potential aids)

Rosebloom Tank (address, descriptions of access, suppression needs, potential aids)

Estates Drive Tank (address, descriptions of access, suppression needs, potential aids)

Quail Well 8 (address, descriptions of access, suppression needs, potential aids)



Sweetwater Intake (address, descriptions of access, suppression needs, potential aids)

Boykin Tank (address, descriptions of access, suppression needs, potential aids)

Spring Tanks (former) 3 parcels (address, descriptions of access, suppression needs, potential aids)

Spring Tank (address, descriptions of access, suppression needs, potential aids)

Pipeline Route Redwood Park Booster to Swim Tanks (address, descriptions of access, suppression needs, potential aids)

Redwood Park Booster (Door combination, potential suppression issues, and access)

Swim Tanks (current) (Door combination, potential suppression issues, and access)

Southern Malosky Creek Watershed (3 Parcels) (address for access, descriptions of access, suppression needs, potential aids)

Northern Malosky Creek Watershed (address for access, descriptions of access, suppression needs, potential aids)

Western Malosky Creek Watershed (seven) (address for access, descriptions of access, suppression needs, potential aids)

Clear Creek Watershed (2 parcels) (address for access, descriptions of access, suppression needs, potential aids)

Brookdale Tank (Door combination, potential suppression issues, and access)

South Reservoir (address, descriptions of access, suppression needs, potential aids)

Foreman Creek Watershed (3 parcels) (address for access, descriptions of access, suppression needs, potential aids)

Harmon Creek Watershed (two parcels) (address for access, descriptions of access, suppression needs, potential aids)

Lyon Tank Water Treatment Plant (two parcels) (Door combination, potential suppression issues, and access)

Eckley Booster (address for access, descriptions of access, suppression needs, potential aids)

Eckley Tank (Door combination, potential suppression issues, and access)

Blackstone Tank (Door combination, potential suppression issues, and access)

Huckleberry Woods Pump Station (Door combination, potential suppression issues, and access)

Huckleberry Tank Site (Door combination, potential suppression issues, and access)

Faulkner Tank (address for access, descriptions of access, suppression needs, potential aids)

Blue Ridge Booster (Door combination, potential suppression issues, and access)

Blue Ridge Tank (two parcels) (Door combination, potential suppression issues, and access)

Reader Tank (Door combination, potential suppression issues, and access)

Riverside Grove Booster (Door combination, potential suppression issues, and access)

Riverside Grove Tank (Door combination, potential suppression issues, and access)

Echo Tanks (Door combination, potential suppression issues, and access)

Bear Creek Tank (Door combination, potential suppression issues, and access)

Overlook Tank (address for access, descriptions of access, suppression needs, potential aids)

Bear Creek Water Works (Door combination, potential suppression issues, and access)

(Door combination, potential suppression issues, and access)

Wastewater Inlet Pump Station (address for access, descriptions of access, suppression needs, potential aids)

Wastewater Lift Station (address for access, descriptions of access, suppression needs, potential aids)

Highland Tank (address for access, descriptions of access, suppression needs, potential aids)

Nina Tank (two parcels) (APN, address for access, descriptions of access, suppression needs, potential aids)

## MEMO

To: Environmental Committee

From: District Manager

Prepared by: Environmental Programs Manager

SUBJECT: PG&E Public Safety Shutoffs

DATE: JUNE 13, 2019

### **RECOMMENDATION**

It is recommended that the Environmental Committee review and discuss this memo summarizing the PG&E's Public Safety Shutoffs and the programs impacts on District operations.

### **BACKGROUND**

PG&E is in process of implementing its Community Wildfire Safety Program to provide precautionary measures to help reduce the risk of wildfires. One element of the program, known as a "Public Safety Power Shutoff," electricity will be turned off when extreme fire danger "red flag" conditions are forecasted. PG&E notified the District that with the expansion of the Public Safety Power Shutoff Program to include "tier 2" zones, all of the District's accounts are subject to multiple day shutoffs during Public Safety Power Shutoff events. The Public Safety Power Shutoff program now includes all electric lines that pass through high fire threat areas including both distribution and transmission. While customers in high fire threat areas are more likely to be affected, a public safety power outage could impact any of the more than 5 million customers who receive electric service from PG&E due to the interconnected nature of the electric grid.

Visit: [www.pge.com/wildfiresafety](http://www.pge.com/wildfiresafety)

The District is highly reliant upon the power grid to provide energy for pumping water. Unlike power outages that may occur during the winter from storms when irrigation demands and water use is low, multiple days outages during "red flag"

conditions present a worst case scenario as those conditions coincide with high irrigation demands and water use. When the power goes out, pumps in our system stop pumping. The water in the system is all we have to meet demand, fire protection and other emergency uses.

District crews will be working around the clock to deliver generators to pumps and tanks as necessary, but blocked roads or other related conditions could delay response times. Currently, the District has limited emergency generators, there are 12 permanent mounted generators and 4 portable generators for 17 locations throughout the district, the 4 portable generators live at specific sites until needed elsewhere. Without generators, our tanks will not refill and neighborhoods may be limited to the water that is left in the tank at the time of the outage. We ask that customers conserve water during power outages, to prevent the loss of water supply.

Along with power, communications through AT&T, Comcast and other internet providers go offline and pose another significant issue. When communications are down pumps require manual controls, meaning real time tank levels, auto controls, and low water level warnings are no longer available to operation staff. Staff must visit each tank site to monitor water levels and ensure tanks do not become critically low. If a tank becomes critically low air can be introduced into the pipeline creating a boil water notice that could last up to 3 days. Again, water conservation during these periods will be of utmost importance to prevent further issues with your water supply.

The District will make every effort to provide continuous water service during outage events. However, pressures may be reduced and outdoor water use may be restricted during power outage events depending on the expected outage duration and other circumstances.

Affected residential PG&E customers should receive mailed notifications informing them of the Public Safety Power Shutoff Program and are encouraged to prepare for power outages lasting several days. To receive advanced notifications from PG&E, customers should update their contact information in order to receive text and emailed notifications. For the most current conditions, visit:

www.prepareforpowerdown.com and sign up for alerts directly from PG&E here: PG&E Alert Signup [Page](#). You can also subscribe to the District's alert system here: [Registration](#).

Links to Additional Preparedness Resources:

[pge.com/wildfiresafety](http://pge.com/wildfiresafety) - PG&E's resource for wildfire safety and outage information

[ready.gov](http://ready.gov) - Disaster preparedness information from the U.S. Dept. of Homeland Security

[readyforwildfire.org](http://readyforwildfire.org) - CAL FIRE's wildfire preparedness website

[cpuc.ca.gov/wildfiresinfo](http://cpuc.ca.gov/wildfiresinfo) - Information on the CPUC's wildfire safety efforts

[caloes.ca.gov](http://caloes.ca.gov) - California Governor's Office of Emergency Services website

[firesafecouncil.org](http://firesafecouncil.org) - California Fire Safe Council website

[noaa.gov](http://noaa.gov) - National Oceanic and Atmospheric Administration website

Create an emergency plan today by following the tips below:

- Update your contact information with PG&E
- Identify backup charging methods for your phones and keep hard copies of emergency numbers
- Plan for any medical needs like medications that need to be refrigerated or devices that require power
- Build or restock your emergency kit with flashlights, fresh batteries, first aid supplies and cash
- Designate an emergency meeting location
- Know how to manually open your garage door
- Stock emergency kits with enough food, water, weather protection and hygiene/medical supplies for at least 72 hours. Store 1 gallon of water per person per day.
- Plan for the needs of pets and livestock
- Ensure any backup generators are ready to safely operate
- Identify the unique needs of your family and loved ones in the area for your emergency plan

### Water Tips:

- Your hot water heater can be a source of water. Turn off the power that heats the tank and let it cool. When you want water, place a container underneath and open the drain valve on the bottom of the tank.
- Do not drink water from the tap if a “Boil Water Notice” is issued. Follow PWP and Public Health instructions.
- The average person needs to drink at least two quarts of water each day. Children, nursing mothers, and others may need more.
- Very hot temperatures can double the amount of water needed.
- Store at least one gallon per person per day, for drinking and cooking.
- Store water in thoroughly washed plastic, glass, or enamel-lined metal containers.
- Recycle self-stored water every six months. Recycle commercially bottled water every 12 months.
- **Water shut-off:** The water shut-off valve is generally found where the water supply enters the house. Contact the San Lorenzo Valley Water District to turn off your water valve. If this is after hours, please call the **Afterhours Water Emergency Number** at 831.338.215

### FISCAL IMPACT: ?

### STRATEGIC PLAN:

Strategic Element 2.3 Climate Action Plan

Strategic Element 7.0 - Strategic Partners