

M E M O

TO: Board of Directors
FROM: District Manager
PREPARED BY: Environmental Planner
SUBJECT: Environmental Department Status Report
DATE: April 15, 2021

RECOMMENDATION:

It is recommended that the Board of Directors review and file the Environmental Department status report.

SUSTAINABLE WATER SUPPLY PLANNING (ONGOING)

The District is working on a multi-tier effort to optimize operations, sustainably manage water supply and diversify its water supply portfolio to ensure a resiliency as we adapt to a changing climate through the following efforts (details on each effort within staff report below):

- Conjunctive Use - improving System Efficiencies through (Using surface water when available to rest and recharge groundwater sources)
- Water Conservation Planning (Including UWMP)
- Capital Improvement (increasing pipeline sizes, reducing leaks, and increasing storage tank capacities)
- Permit Intertie Pipelines to optimize operations and sustainably manage water supply.
- Water Right petition changes
- Sustainable Groundwater Management (SMGWA.ORG)
- Climate Adaptation and Mitigation (The Climate Registry)

CONJUNCTIVE USE GRANT (June 2021)

- Public engagement Workshop with Mike Podlech (aquatic ecologist) on the fisheries assessment was completed at the June 2020 Environmental Committee meeting. Fisheries assessment available on website [here](#).
- Water right changes; working with legal counsel. Memo to be provided outlining the associated water rights and their interpretations by end of April 2021.
- Meetings with resource agencies completed on March 11, 2021.
- Staff has begun providing data on associated infrastructure and mapping to Rincon for CEQA process. Staff conducted site visits with the consultant the week of 2/16/21.

- The Conjunctive Use Plan is 90% finished and should be available for public review by Spring 2021.
- Public informational meeting planned for May 2021. TBD BOD or special meeting.

URBAN WATER MANAGEMENT PLAN (UWMP) (June 2021)

The UWMP is a public planning document required of urban water suppliers every five years to ensure that adequate water supplies are available to meet existing and future water demands.

The Board of Directors approved the District Manager to execute a joint contract with Water Systems Consulting (WSC) in November 2020. Staff began providing data to WSC after the project's kick-off in December 2020. Drafts of the plan's sections throughout the project will be brought to the Board of Directors or the Environmental Committee.

The first draft of Demand Projections and shortage stages will be presented at the May 2021 Environmental Committee Meeting.

Engineering staff completing seismic risk analysis for UWMP by end of April.

STREAMFLOW, TEMPERATURE AND RELATED OBSERVATIONS FOR THE SAN LORENZO VALLEY WATER DISTRICT'S SURFACE SOURCES (ANNUAL)

WATER YEAR 2020

Staff reviewing draft data report. Once finalized it will be made public and presented to the BOD.

WATER YEAR 2021

Staff having internal discussions on monitoring for WY2021. Final decisions of monitoring will be presented as part of the FY21/22 budget.

BALANCE HYDROLOGICS DATA

Monitoring has supported the Fall Creek fish ladder project, conjunctive use studies and various agency compliance in WY2019-WY2020.

WATER RIGHTS (On-going)

CITY OF SANTA CRUZ PETITIONS

In March 2020 the District submitted a protest to the City of Santa Cruz's petitions for change of their water rights in Felton & Loch Lomond. A response from the City of Santa Cruz is required by the State Water Resource Control Board (SWRCB) within 60 days of receipt of the protest.

SANTA MARGARITA SUSTAINABLE GROUNDWATER MANAGEMENT AGENCY (SMGWA.ORG) (GSP January 2022)

Montgomery and Associates the agency's Technical Consultant has been working on the following:

- Correct the deficiencies identified in the hydrologic model.
- Assist with the technical writing of the Sustainable Groundwater Management Plan.
- Explore the concept of Management Areas.
- Determine Sustainability Criteria.

Agency staff is working on reviewing the GSP sec 2: Plan Area and Basin Settings.

Office hours with agency staff are being offered to the BOD

President Gail Mahood & Director Mark Smolley are SLVWD's representatives on the SMGWA Board. Director Louise Henry is the alternative.

The District will begin to incorporate SMGWA updates on its social media pages, newsletters and BOD agenda packets monthly.

The next SGMWA Meeting is scheduled for April, 22nd at 5:30 PM. For more information <http://smgwa.org/>. Due to the circumstances regarding the ongoing shelter-in-place orders all Agency meetings will be held in an exclusively remote-access format until further notice.

ENVIRONMENTAL COMPLIANCE - CAPITAL IMPROVEMENT PROGRAM (ONGOING)

SANDHILLS HABITAT CONSERVATION PLAN FOR THE SAN LORENZO VALLEY WATER DISTRICT CAPITAL IMPROVEMENT PLAN (DECEMBER 2021)

Staff secured the AmeriCorps Team for a special project in the Olympia Watershed for invasive broom removal. The team completed their Independent Service Project (ISP) with the District on March 19th -21st. US Fish & Wildlife Service approved the work in March 2021.



District is preparing a Habitat Conservation Plan (HCP) to mitigate the impacts to listed species in sandhills habitat which result from the District's Capital Improvement Projects. This approach will greatly reduce the timeline and cost for project permitting compared to preparing individual HCPs for each project or site. The draft version of the plan is aimed for completion in early 2021.

The Olympia Conservation Area (OCA) Management Plan was completed by May 31st 2020 and is available for public review [here](#). Jodi McGraw presented the plan to the Environmental Committee in July 2020.

As part of the OCA Management Plan annual reports must be submitted to the US Fish & Wildlife Service. A proposal from Jodi McGraw was approved on March 18th, 2021 by the BOD.

The District is also working with consulting ecologist Jodi McGraw to potentially pursue funding through PG&E's mitigation credit program through the District's Olympia Conservation Easement. Once an approach is established a presentation will be conducted for the Environmental Committee and then brought to the Board for approval.

CIP PROJECT PERMITTING

Staff is working to secure permits for the following Projects:

- Fall Creek Fish Ladder Project
 - All permits in process - CDFW's agreement received August 2020 - awaiting NMFS determination
 - Planning to go to bid April 2021
 - 100% design received and final modifications being made by staff.
- Lyon Treatment Plant Access Road Slide (FEMA funded - 2023)
 - Held interagency meeting on March 11, 2021 to discuss alternatives with resource agencies.
 - Engineering staff is working on an additional alternative.
- Swim Tanks Replacement (Redwood Park Tank)
 - IS-MND public review complete
 - Property purchase in process
- 5 Pipeline Project (Highway 236/Douglas/Quail Hollow Road)
 - Quail Hollow IS-MND was approved at the February 4th BOD meeting
 - Final designs in process
- Tank Recoatings
- Felton Acres Tank
- Conjunctive Use (grant funded)
 - CEQA in process
 - Completed plan June 2021
- 5-mile pipeline
 - RFPs released
- Zayante Drive Pipeline
 - Initial permitting review

WATERSHED MANAGEMENT/ STEWARDSHIP

FIRE MANAGEMENT PLANNING (PLAN DRAFT APRIL 2021)

The draft plan outline was presented by Panorama at the BOD's (February 18th, 2021) meeting. The final draft has been completed and will be presented to the Environmental

Committee on April 10, 2021. Once reviewed by the committee the final version will be brought to the BOD for approval.

Panorama and staff are working with local fire agencies to begin prioritization of tank fittings, road access, and site access planning. The kick-off meeting (virtual) occurred March 12, 2021. Field visits with all fire agencies are being planned.

Staff is meeting with the RCD of Santa Cruz County to determine projects (within the Fire Management Plan) that could be eligible for grant funding.

The District received CAL FIRE CFIP funding in the amount of \$6,822.00 to help fund the District's Fire Management Plan. Once the plan is complete the District can reply for CFIP for implementation funding.

INTEGRATED PEST MANAGEMENT POLICY (IPMP) (ONGOING)

Staff is working internally to begin implementation. Planning and implementation process will be brought to the May Environmental Committee meeting.

Trainings and kick-off for operation staff will begin in Spring 2021.

The final policy can be viewed [here on the District's website.](#)

PG&E (ONGOING)

The District sent a letter to PG&E regarding hardening their power lines and corridor throughout District property. The Letter was approved by the BOD on April 1st and has been sent to the approved contacts.

PG&E completed mitigation on the District's Harmon access road in January 2021.

PG&E is interested in mitigation for Sandhill species on District lands. PG&E could potentially provide funding for restoration of District lands. Staff is working with PG&E and Ecologist, Jodi McGraw.

OLYMPIA PATROL (ONGOING)

Report for March 2021 not received as of April 7, 2021.

Contract is currently expired and work will be completed/billed month to month until new contract is established pending 2021/2022 budget direction.

WATER CONSERVATION (ONGOING)

DROUGHT STAGE

Staff is planning to bring drought stage discussions to the Environmental Committee in Spring 2021.

Total rainfall for this water year in Boulder Creek (as of 4/7/21): 17.07 inches of the average 46 inches.

REBATES

Budget for 2021/2022 rebates will be determined during budget discussions.

Social media postings on water conservation taking place 1-2 times a month. April newsletter focused on earth day and water conservation.

Due to the CZU Lightning Complex Fires the District will be focusing on conservation messaging to help address reduced storage and limited access to surface water.

Further discussion of water conservation planning in 2021/2022 will be brought to the Environmental Committee in early 2021.

SANTA CRUZ COUNTY WATER CONSERVATION COALITION

Value of water campaign - focus on importance of infrastructure underway. Outreach materials provided to local businesses and radio ads ran in Spring 2020.

District staff provide photos and facts on infrastructure for the Value of Water campaign. Website is updated with provided information. Updated shared website - watersavingtips.org

PUBLIC OUTREACH

BUZZ PR

Buzz is working with staff on outreach through daily updates, distributing information to press, social media sites, and print sources.

Buzz PR's contract was budgeted until January 2021. Staff will be working with the Buzz PR on a month to month basis until a full report is presented to the BOD for a contract extension.

March Performance Summary

Cross-Network Performance Summary

View your key profile performance metrics from the reporting period.

Impressions ⓘ	Engagements ⓘ	Post Link Clicks ⓘ
176,302 ↗364%	3,031 ↗5%	864 ↗190%

Audience Metrics	Totals	% Change
Total Audience ⓘ	2,298	↗ 1.8%
Total Net Audience Growth ⓘ	43	↗ 4.9%
Twitter Followers Gained	4	↘ 69.2%
Facebook Page Likes	18	↗ 28.6%
Instagram Followers Gained	31	↗ 40.9%

April Outreach as of 4/7/21:

Online bill pay
 Auto pay sign-up
 Water conservation
 Olympia Broom removal project
 Kirby treatment plant/Felton library project
 Federal infrastructure bill
 Board of Directors vacancy
 FAQ
 Rebates
 Flushing
 State of the San Lorenzo River Symposium
 Newsletter & alerts sign-up
 Rent & Utility Relief State program
 Santa Margarita Groundwater Agency

March Outreach as of 3/11/2021:

FAQ questions & answers
 State of the District
 Consolidation
 System Flushing
 811 - call before you dig
 BOD & Committee meetings
 Newsletter sign-up

February Outreach as of 2/11/2021:

State of the District mailer
 State of the District ads
 State of the District social media posts
 Consolidation press release (Miller & Maxfield)
 Joe Cone retirement
 2021 "System Flushing" alerts
 Emergency Main Breaks
 Surplus Redwood Tank
 Debris flow preparation
 Water conservation
 FAQs
 RFP advertising
 Infrastructure posting

January Outreach as of 1/12/2021:

Annual 2019/2020 review mailer (District wide)
New Board of Directors information
District Facts, Answers, Questions (FAQ)
Water Quality & CZU Fire
Probation Tank (storage/CIP post)
Community Tap for DND/DNB areas
Emergency main line repair
How to participate in a public meeting
UC Berkeley Research
Newsletter sign-up
811 - "call before you dig"

December Outreach included:

Erosion & winter preparedness posts
Emergency notification sign-up information
Committee Member Position Openings
Post-fire Dos/Don'ts
Lompico Tank Project update
SMGWA posts
County Rain Gauge website
Harmon Creek Emergency project
Board of Director meeting summaries
Refill station information
Water|Ways Boulder Creek Museum
Water Conservation
FEMA information
We are hiring posts
Water conservation
Pipeline construction
BOD meeting summaries
BOD meeting advertisements w/ agenda summary

UPCOMING EVENTS

Seventh Annual State of the San Lorenzo River Symposium
Saturday April 17, 2021--9am-12pm via zoom

Join City of Santa Cruz Mayor Donna Meyers and local natural resource managers as they share their knowledge and recent research supporting recovery and resiliency of the watershed!

Topics include:

- Post-fire geologic hazards and morphological processes
- Post-fire water quality impacts
- County of Santa Cruz Environmental Health Services Fire Response
- Lagoon water quality
- Riparian conditions
- Climate change adaptation

Learn more at tinyurl.com/soslrs

CLIMATE ADAPTATION

The District renewed its membership with the Climate Registry and will be addressing climate in its UWMP

NETWORKING & COLLABORATIONS

SANTA MARGARITA GROUNDWATER AGENCY- <http://smgwa.org/>

Under the Sustainable Groundwater Management Act of 2014, over-drafted groundwater basins need to be sustainably managed by a Groundwater Sustainability Agency (GSA) through the development of a Groundwater Sustainability Plan (GSP). The GSP must be completed by 2022, and the basin must reach sustainability by 2040.

FIRE SAFE COUNCIL OF SANTA CRUZ COUNTY <https://www.firesafesantacruz.org/>

Staff represents SLVWD and participates as one of the Directors on the Community Outreach Committee.

District Environmental Planner represents SLVWD on the Board of Directors

WEED MANAGEMENT AREA OF SANTA CRUZ (WMA)

The Weed Management Area of Santa Cruz (WMA) meets 4 times annually. The group is working on the Strategic Plan, and prioritizing efforts for Santa Cruz County, and working to acquire resources to achieve the goal of fighting invasive species that impact biodiversity.

SAN LORENZO 2025

San Lorenzo River 2025 is a collaborative effort focused on addressing the risks facing the San Lorenzo River over the next ten years. Through a partnership between local governments, water districts, the Resource Conservation District and local nonprofits, San Lorenzo River 2025 seeks to achieve **reliability** of water, **restoration** of watershed habitats, and a **resilient and safe** community resource. This effort will increase both the pace and the scale of investment into the San Lorenzo Watershed.

WATER CONSERVATION COALITION

<http://watersavingtips.org/>

The Water Conservation Coalition is a partnership between all the local Water Districts in Santa Cruz County as well as the County Water Resources Division, Ecology Action and other groups who share a passion for water conservation and public education. Our goal is to combine efforts and share resources to provide a common message about water conservation issues to residents throughout Santa Cruz County.

SANTA CRUZ STEWARDSHIP NETWORK (SCSN)

<http://scmsn.net/>

The Santa Cruz Mountains Stewardship Network is a region-wide and cross-sector collaboration of independent individuals and organizations who are committed to practicing effective stewardship on their own lands and coordinating their efforts with other land stewards to enhance stewardship on a regional level.

Working with network to facilitate fire management grants.

The District's Environmental Planner represents the District.