



PAJARO VALLEY WATER MANAGEMENT AGENCY

36 BRENNAN STREET • WATSONVILLE, CA 95076

TEL: 831) 722-9292 FAX: 831) 722-3139

<https://www.pvwater.org>

PROJECTS & FACILITY OPERATIONS COMMITTEE MEETING

Teleconference Meeting

Wednesday, March 30, 2022, 3:00 p.m.

Due to COVID-19, Public access is limited to teleconference. Please see details on page 2.

Purpose: The purpose of the Projects and Facility Operations Committee (“Committee”) is to advise the Board of Directors (“Board”) and staff of the Pajaro Valley Water Management Agency (“PV Water”) on capital projects and programs related to water supply, quality and operations of facilities identified in PV Water’s Basin Management Plan, including any new technologies that might become available. The Committee also serves to communicate issues and concerns regarding water quality and project operations between the Agency, landowners and growers within PV Water’s service area.

A G E N D A

1. Welcome and Introductions
2. Public and Member Comments
3. Consider Approval of February 23, 2022 Projects & Facility Operations Committee Meeting Minutes
4. Receive Summary of the Sustainable Groundwater Management Act (SGMA) Annual Report, Water Year 2021
5. Receive Projects & Programs Update
 - a. College Lake Integrated Resources Management Project
 - b. Watsonville Slough System Managed Aquifer Recharge & Recovery Projects
 - c. Recycled Water Facility Improvements Project
6. Receive Facility Operations Report
7. Discuss Future Agenda Items
8. Next Regular Meeting: April 27, 2022

Adjournment

PV Water is a state-chartered local agency formed “to efficiently and economically manage existing and supplemental water supplies in order to prevent further increase in, and to accomplish continuing reduction of, long-term overdraft and to provide and insure sufficient water supplies for present and anticipated needs within the boundaries of PV Water. It is anticipated that long-term overdraft problems may not be solved unless supplemental water supplies are provided. PV Water should, in an efficient and economically feasible manner, utilize supplemental water and available underground storage and should manage the groundwater supplies to meet the future needs of the basin.” This agenda is subject to revision and may be amended prior to the scheduled meeting. If amended, a Final Agenda will be posted at the PV Water office at 36 Brennan Street, Watsonville, 72 hours prior to the meeting. Copies of the Final Agenda will be available at the meeting. This Agenda shall be made available upon request in alternative formats to persons with a disability, as required by the Americans with Disabilities Act of 1990 (42 U.S.C. Sec. 12132) and the Ralph M. Brown Act (Cal. Govt. Code Sec. 54954.2). Persons requesting a disability-related modification or accommodation should contact PV Water’s Financial & Administrative Services Manager at (831) 722-9292 during regular business hours, at least 24 hours prior to the time of the meeting.

PUBLIC ACCESS TO
PROJECTS & FACILITY OPERATIONS COMMITTEE MEETING

Projects & Facility Operations Committee

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PROJECTS & FACILITY OPERATIONS COMMITTEE
MEETING MINUTES DRAFT
Teleconference Meeting

Wednesday, February 23, 2022, 3:00 p.m.

Committee Members	
Present	Not Present
Mary Bannister, Director, Chair	Frank Capurro
Sam Cooley, Vice Chair	Jonathan Pilch
Stephen Rider, Director	
Abel Sanchez, Director	
Rosemarie Imazio	
Staff & Other Attendees	
Brian Lockwood, General Manager (GM)	Shinehah Bigham, Water System Operator (WSO)
Casey Meusel, Associate Hydrologist (AH)	Erin McCarthy, Resource Conservation District of Santa Cruz County
Lidia Gutierrez, Gutierrez Consultants	John Burns, ESA Sitka
Marian Rivera-Torres, Environmental Defense Fund	Christina Babbitt, Ph.D., Environmental Defense Fund
Robyn Grimm, Environmental Defense Fund	Garshaw Amidi-Abraham, Environmental Defense Fund
Amanda Miller, California Water Data Consortium	Tara Moran, California Water Data Consortium
Erika Sagrafena, SWCA Environmental Consultants	Gary Kittleson, Kittleson Environmental Consulting

- 1. Welcome and Introductions.** Chair Bannister called the meeting to order at 3:05 p.m.
- 2. Public and Member comments.** None.
- 3. Consider Approval of January 26, 2022 Projects and Facility Operations Committee Meeting Minutes.** Vice Chair Cooley moved to approve the January 26, 2022 minutes; Director Rider seconded. The motion carried by the following voice vote:

Ayes: Bannister, Cooley, Rider, Sanchez
Noes: None
Abstain: None
Absent: Capurro, Pilch, Imazio

4. **Receive Presentation on Open-Source Water Accounting Platform and Consider Staff Recommendation for Pajaro Valley Water Management Agency to Participate in a Pilot Project.** GM Lockwood introduced the topic and representatives of the Accounting Platform team who then provided a presentation that included a project overview, brief demo of the platform, project timeline summary, and a discussion of opportunities for collaboration. Following the discussion, the Committee, by consensus, provided direction to proceed in a pilot project.
5. **Consider Approval of Consensus Scoring Self-Evaluation for the California Department of Water Resources Sustainable Groundwater Management Grant Program Implementation Grant Proposal Project.** GM Lockwood provided a summary of a grant proposal solicitation that provides the opportunity for critically overdrafted basins, such as the Pajaro Valley Basin, to obtain \$7.6 million in funding from the Department of Water Resources. He provided an update on the status of PV Water's proposal in support of the College Lake Integrated Resources Management Project (College Lake Project) and reviewed the materials provided to the Committee in the packet. The Committee conducted a self-evaluation scoring of the project. Following discussion and deliberation, Director Rider moved to approve the consensus scoring self-evaluation scoresheet; Committee Member Imazio seconded. The motion carried by the following voice vote:

Ayes: Bannister, Cooley, Rider, Imazio

Noes: None

Abstain: None

Absent: Capurro, Pilch, Sanchez

6. **Receive Projects and Programs Update.**
 - a. **College Lake Integrated Resources Management Project.** GM Lockwood summarized the staff report in agenda packet, highlighting that preparation of the College Lake Project EIR addendum is progressing and that an updated fact sheet is in development. Staff and consultants continue to meet with interested parties and agencies as permitting and property acquisition efforts continue.
 - b. **Watsonville Slough System Managed Aquifer Recharge & Recovery Projects.** GM Lockwood summarized the staff report in agenda packet noting that the National Marine Fisheries Service (NMFS), following a series of meetings with staff and consultants decided not to file a formal protest against water-right permit application A033151. NMFS did however provide a comment letter on the application. GM Lockwood also noted that staff performed pump tests of three recovery wells at the Harkins Slough Recharge Basin.
 - c. **Recycled Water Facility Improvements Project.** GM Lockwood reported that a scope of services and cost estimate for the Reliability Operations and Condition Assessment is going before the Watsonville City Council on February 22, 2022.
7. **Receive Facility Operations Report.** WSO Bigham reported that staff are continuing to diver water from Harkins Slough and estimate total diversions will reach 250 acre-feet for the month of February. Demand for delivered water is increasing; staff delivered 121 acre-feet of water in January and an anticipated delivering 200 acre-feet in February.

- 8. Discuss Future Agenda Items.** GM Lockwood reported that staff would provide an overview of the Sustainable Groundwater Management Act (SGMA) Annual Report, Water Year 2021, during the March meeting, and in April, present the annual soil salinity and water quality report.
- 9. Next Meeting:** Wednesday, March 30, 2022, at 3:00 p.m.
- 10. Meeting Adjourned at 4:17 p.m.**

DRAFT

MEMORANDUM

DATE: March 25, 2022
MEETING OF: March 30, 2022
TO: Projects & Facility Operations Committee
FROM: General Manager
RE: **ITEM 4:** Receive Summary of the Sustainable Groundwater Management Act (SGMA) Annual Report, Water Year 2021

BACKGROUND

In September 2014, then Governor Jerry Brown signed into law a three-bill legislative package collectively known as the Sustainable Groundwater Management Act (SGMA). SGMA required the formation of Groundwater Sustainability Agencies (GSA) by 2015, and the development of Groundwater Sustainability Plans (GSP) by 2020 in the case of critically overdrafted groundwater basins. SGMA also provided for GSP Alternative plans in certain cases. PV Water elected to become the GSA for the Pajaro Valley Subbasin in September 2015. In December 2016, PV Water submitted the Basin Management Plan Update (BMP 2014) and associated documents as a GSP Alternative, and in July 2019 the California Department of Water Resources (DWR) approved PV Water's GSP Alternative. In November 2021, the PV Water Board adopted the Basin Management Plan: Groundwater Sustainability Update 2022 (GSU22), fulfilling SGMA requirements to prepare a 5-year update to a GSP Alternative. SGMA regulations require submittal of an annual report that describes the state of the groundwater basin and progress on implementation of the plan on or before April 1 of each year.

DISCUSSION

PV Water is implementing the projects and management actions to achieve sustainable groundwater resources. PV Water operates supplemental water supply facilities that reduce coastal groundwater production. Existing facilities include the Harkins Slough Managed Aquifer Recharge and Recovery Facility, the Watsonville Area Recycled Water Facility, blend wells, a connection to the City of Watsonville's potable water system, and the Coastal Distribution System. PV Water is also working to implement new projects and management actions to achieve sustainability including Recycled Water Facility upgrades, the College Lake Integrated Resources Management Project, the Watsonville Slough System Managed Aquifer Recharge and Recovery Project, the Recharge Net Metering Program, and a Water Conservation Program.

Water Year 2021 is classified as a "dry" year with 13.22 inches of rainfall, equivalent to about 63% of the historical average at the Watsonville Waterworks rain gauge. Total water use in the Pajaro Valley was 54,386 acre-feet (AF), with groundwater providing 84% of the supply, and the remainder provided through supplemental and surface water sources. Monitoring of groundwater levels indicate a 2.5-foot decrease in average groundwater elevations from fall 2020 to fall 2021; this corresponds to a decrease of approximately 9,424 AF of groundwater in storage.

FISCAL IMPACT

None.

STAFF RECOMMENDATION

The Committee receives a Summary of the SGMA Annual Report, Water Year 2021.

ATTACHMENTS

- Board Review Draft SGMA Annual Report, Water Year 2021 is posted online: https://www.pvwater.org/images/board-and-committees/proj_fac_ops_committee/2022/03-30-22_Item4_WY2021_SGMA_Annual_Report_PFOps_Review_Draft.pdf

MEMORANDUM

DATE: March 25, 2022
MEETING OF: March 30, 2022
TO: Projects & Facility Operations Committee
FROM: General Manager
RE: **ITEM 5:** Basin Management Plan Implementation Update

BACKGROUND

Staff prepares the following update monthly with the intent of keeping the Committee and public up-to-date with respect to capital projects planning, funding, and when applicable, construction.

DISCUSSION

- Funding
 - o Submitted a proposal to the California Department of Water Resources for a 2021 Sustainable Groundwater Management (SGM) Grant Program Implementation Grant in the amount of \$10,000,000 for up to \$7,600,000 in funding.
 - o Evaluating additional grant opportunities, in particular a California Department of Conservation 2022 Multi-Benefit Land Repurposing Program (MLRP) Grant.
- Recycled Water Facility Optimization
 - o RWF Reliability Improvements Project, Phase 2: Reliability Operations and Condition Assessment kickoff meeting is scheduled for March 14.
- College Lake Integrated Resources Management Project
 - o Engineering: Continued to hold meetings with interested parties and agencies; conducted associated field work on March 10 and 11.
 - o Environmental: Preparation of College Lake Project EIR addendum continues to progress.
 - o Permitting: Ongoing.
 - o Outreach and Engagement: Ongoing, including work on an update Fact Sheet and Frequently Asked Questions document.
 - o Property Rights: Ongoing.
- Watsonville Slough System Managed Aquifer Recharge and Recovery Projects
 - o Permitting: Held meeting with State Water Resources Control Board staff on March 1 to discuss the Struve Slough water-right application (A033151); PV Water needs to conduct a Pajaro River Watershed Water Availability Analysis.
 - o Planning: Conducted a pump tests of 3 recovery wells at the Harkins Slough Basin.

FISCAL IMPACT

There is no fiscal impact associated with this monthly update.

STAFF RECOMMENDATION

The Committee receives the update.

ATTACHMENTS

- None.

Production Monthly Summary as of February, 2022*

All totals are in Acre Feet

	January	February	March	April	May	June	July	August	September	October	November	December	Individual Totals
Harkins Slough Project:													
Effluent FW to Basin	223.34	222.51	0.00	0.00	0.00								445.84

Coastal Distribution System (CDS):

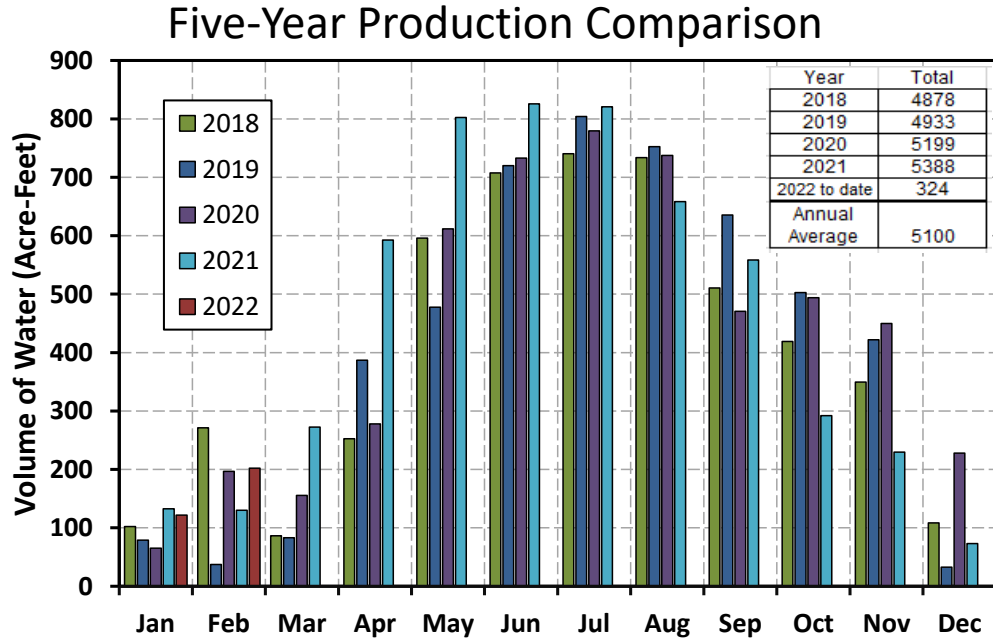
Recovery Wells Sub Total	10.28	18.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.55
Blend Wells													
SW #1	0.00	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80
SW #2	0.04	1.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23
Blend Wells Subtotal	0.04	1.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.03
RWF Blend (See Breakdown Below)	111.53	181.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	293.48
CDS Total	121.86	202.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	324.06

Approximate Recycled Water Blend Breakdown:

Estimated Recycled Water	99.38	175.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	275.12
RWF No_1 (potable)	12.15	6.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.35

* Recycled Water Blend Breakdown is Approximate because there is always some water in the tank that may be recycled water or RWF No-1 Water, "Est Recycled Water" is the RWF Blend total, (which is measured by the RWF Distribution meter after the tanks,) MINUS the RWF No_1 total, which is measure before the No_1 water goes into the tanks to blend.

Well 860 (Harvest Dr.)	0.000	0.000											0.00
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2022 Production Percentages:			
Recovery Wells	Supplemental Wells	Recycled Water	Potable Water
9%	1%	85%	6%

*Preliminary, Subject to Revision