



SANTA CLARA VALLEY WATER DISTRICT

NON-AGENDA

October 11, 2019

Board Policy EL-7 Communication and Support to the Board
The BAOs shall inform and support the Board in its work.

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12	Board Correspondence Weekly Report: 10/10/19
13	Letter from ACWA President Brent Hastey to Dir Varela, dated 10.03.19, regarding ACWA Vice Chair for Region 5 and statewide Board of Directors (C-19-0241)
15	Letter from Zoe Lofgren to Chair LeZotte and Dir. Varela, dated 10.04.19, regarding Anderson Dam Seismic Retrofit Project (C-19-0242)
17	Email from Dhruv Khanna to the Board, dated 10.08.19, regarding Ground water zones and charges (C-19-0243)
	<u>OUTGOING BOARD CORRESPONDENCE</u>
	N/A

Board correspondence has been removed from the online posting of the Non-Agenda to protect personal contact information. Lengthy reports/attachments may also be removed due to file size limitations. Copies of board correspondence and/or reports/attachments are available by submitting a public records request to publicrecords@valleywater.org.



To: Board of Directors
From: Norma J. Camacho, CEO

Week of October 4 – October 10, 2019

Board Executive Limitation Policy EL-7:

The Board Appointed Officers shall inform and support the Board in its work. Further, a BAO shall 1) inform the Board of relevant trends, anticipated adverse media coverage, or material external and internal changes, particularly changes in the assumptions upon which any Board policy has previously been established and 2) report in a timely manner an actual or anticipated noncompliance with any policy of the Board.

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1. Finance, Human Resources and IT & Administrative Services Kick Off Infor ERP Project

The project to replace Valley Water’s dated PeopleSoft Enterprise Resource Planning (ERP) tool has officially kicked off. Project InForAll (Infor) will bring the latest in cloud ERP technologies to Valley Water, streamlining operations, reducing overhead, and dramatically improving efficiencies across multiple departments.

To-date, project accomplishments include:

- Interview and selection of project management resources for both Valley Water and Infor project teams. Scott Schilz, a seasoned Infor project manager who holds both a master’s in project management and an active PMP certification, will be joining the team. Implementation resources for Phase 1 of the project and a dedicated change manager have been assigned by Infor as well.
- Valley Water attended the annual Inforum Conference to learn more about the Project, hold meetings with various Infor executives, and interact with other agencies implementing similar solutions.
- The Soft Kick-Off was completed on October 2, 2019, and the Project team began the detailed project timeline scheduling and organizational change leadership/management.

- Detailed product demonstrations have been taking place to familiarize Valley Water with options and features.
- A larger kickoff meeting is being scheduled for early November as Infor's team of system architects and consultants arrive on site.
- A detailed project timeline and training initiation will be finalized by the end of the quarter.

Additional updates will be provided as the work continues.

For further information, please contact Mike Cook at (408) 630-2424.

2. Reverse Osmosis Concentrate Management Update

Valley Water's Reverse Osmosis Concentrate Management (ROCM) project is getting close to producing site-specific solutions for Reverse Osmosis Concentrate disposal/treatment options in alignment with the Countywide Water Reuse Master Plan.

While blending/dilution for discharging to the South Bay would address the handling of Reverse Osmosis Concentrate, the presence of metals (e.g., Copper, Nickel) remain a concern. There could be instances, such as lowest influent/effluent combined with high demands for recycled water, that could cause exceedance of National Pollutant Discharge Elimination System limits for metals.

Valley Water plans to study a promising treatment alternative for determining whether Reverse Osmosis Concentrate treatment for metals removal would be feasible and effective. This potential treatment system, Floating Wetlands Treatment (FWT), has its own unique characteristics which can be useful for different future discharge sites.

The FWT project would establish a pilot for testing Reverse Osmosis Concentrate treatment at the Silicon Valley Advanced Water Purification Center (SVAWPC) using hyperaccumulating plant species and various flow-through rates. Floating wetlands are a form of phytoremediation using vegetation to remove nutrients, metals and organic contaminants from water. The active mechanisms are the plants and biofilms that form on submerged roots and submerged portions of the platforms.

The FWT project would test six (6) scenarios in parallel. Construction and start-up would take 4-6 months, followed by one (1) year of continuous testing, starting early Fall 2019 and continuing through March 2021. Valley Water staff would design, build, operate, and supervise analytical services for the project. Humboldt State University and Intrinsyx Technologies Corporation have offered to form a project advisory team in collaboration with Valley Water. Their expertise in phytoremediation and engineered natural treatment systems would provide invaluable benefits in process design, data analysis, and hyperaccumulator plant species selection.

The majority of the FWT project budget is covered by Valley Water. San Francisco Estuary Institute (SFEI) and Humboldt State University will also provide some in-kind contribution for participating in research team meetings and reviewing reports.

For further information, please contact Jerry De La Piedra at (408) 630-2257.

3. Thompson Creek Outfall Replacement and Bank Repairs

Valley Water crews continue to conduct work on replacement of a City of San Jose (City) outfall and associated bank repairs on Thompson Creek upstream of Yerba Buena Avenue. This project is conducted under Valley Water's Stream Maintenance Program (SMP) with costs replacing the outfall to be reimbursed by the City.

In March 2013, Valley Water informed the City that a City outfall on Thompson Creek was in need of repair, as the bottom of the City's corrugated metal pipe (CMP) was rusted through, and erosion of the bank and creek bed had occurred in that area on Valley Water fee title property. Since that time, Valley Water staff met with the City on multiple occasions to determine how the City would be proceeding with repairs. In November 2018, the City expressed their intent to address the damaged outfall and bank. Based on Valley Water's and City's evaluation of the site, it was determined that a project was necessary to prevent further deterioration of the City's existing CMP outfall and maintain appropriate and necessary bank stability.

Because of the critical need for the project to be done in a timely manner, given the damages were directly affecting Valley Water fee title property, and since Valley Water has the resources to conduct this type of stream maintenance work, Valley Water and City agreed that Valley Water should proceed with the work in 2019 with City reimbursement of Valley Water's costs.

Valley Water received regulatory approvals to conduct the project under the SMP in August 2019. Repair work began in September 2019 and is expected to be completed in October 2019.

For further information, please contact Sue Tippetts at (408) 630-2253.

4. Vaki - Fish Counting Device Installation


During the first week of October 2019, Valley Water redeployed state-of-the-art fish counting devices in two of our streams to monitor up-migrating salmon and steelhead. These devices automatically record a short video when a fish swims through them, allowing Valley Water biologists to identify seasonality and general abundance of salmon and steelhead migrating through our streams. The structures that hold these fish counters are one-of-a-kind and were custom designed and fabricated specifically for Valley Water. This installation marks the third season of monitoring on the Guadalupe River and the second for Coyote Creek. The invaluable data recorded by these devices provides a cost-effective way of understanding how and when fish move through our watersheds.

For further information, please contact Vincent Gin at (408) 630-2633

5. Valley Water Hosts 2019 VIP Water Walk Tour

On Friday, October 4, 2019, the Office of Government Relations conducted Valley Water's annual Water Walk Tour, which educated and engaged 44 elected officials and staff, representing federal, state, regional, and local jurisdictions, and key advocacy stakeholders on five critical Valley Water projects, and highlighted the continued partnership and advocacy needed to advance them.

The tour began at Anderson Dam in Morgan Hill where the group learned about the Seismic Retrofit Project and Anderson's role in supplying safe, clean water to the county.



Next, the tour stopped at two locations along the Guadalupe River; at Upper Guadalupe, staff discussed the importance of the multi-agency collaboration (and community support) necessary to advance a flood protection project of this scale that will help protect the heart of Silicon Valley. Further downstream, a strategic stop at Downtown Guadalupe allowed tour attendees to see the results of a successfully completed, multi-agency and multi-benefit project first-hand.

The tour stopped for lunch at the Silicon Valley Advanced Water Purification Center, where after a welcome from Director Santos, the group got an inside look at Valley Water's use of cutting-edge recycled water technologies that represent the future of water supplies for Silicon Valley. This tour stop enabled a robust discussion of the essential partnerships necessary to ensure the future of water supplies in Santa Clara County.

Lastly, the South San Francisco Shoreline Project in Alviso showcased the construction of Valley Water infrastructure needed to meet the current and future challenges of flood protection not just from seasonal storms, but also from the effects of sea level rise due to climate change, while also building in environmental enhancements and recreation. Staff also highlighted the multi-agency/multi-benefit aspects of the project and explained how it was funded from a wide variety of sources.

During the ride back to Valley Water, staff covered Valley Water's legislative priorities and discussed the need for continued engagement and support from our key policymakers and advocacy stakeholders on both water supply and watersheds projects that benefit our communities.

Attendees were fully engaged throughout the tour and asked many good questions at each stop. Staff received overwhelmingly positive feedback from attendees, and plan to conduct another one in early 2020.

For further information, please contact Rachael Gibson at (408) 630-2884.

6. Valley Water Mobile Crane Operator Program

Valley Water mobile crane operators are primarily assigned to work Watersheds maintenance activities; however, these operators serve a vital role in many projects throughout Valley Water. During storm events, Valley Water mobile crane operators frequently engage in flood protection activities by safely removing debris blockages from creeks and other waterways. Additionally, Valley Water mobile crane operators are often called upon to assist with Water Utility Enterprise projects to provide critical picks of heavy industrial equipment such as electric motors and pumps. Most recently, Valley Water mobile crane operators supported the engineering fall protection upgrades currently taking place on the Almaden Campus. Mobile cranes were used to position a series of prefabricated guardrails onto the roof of the Crest Building.

To ensure the availability of an adequate number of certified mobile crane operators, planning is underway to hold mobile crane initial and re-certification training for Valley Water Maintenance staff. Six (6) personnel will go through recertification while eight (8) personnel will receive initial certification. Training is tentatively scheduled for March 2020, and the crane training and operator certification testing will be administered by California Crane School.

For further information, please contact Tina Yoke at (408) 630-2385.

Outlook as of October 1, 2019

We began calendar year 2019 with groundwater storage well within Stage 1 (Normal) of Valley Water’s Water Shortage Contingency Plan despite below-normal local rainfall and statewide snow pack in calendar year 2018. In 2019, the statewide average snowpack water equivalent was well above normal and valley floor precipitation was also above normal. Countywide, groundwater storage remains healthy due to the wet winter and continued water use reduction by the community. In northern Santa Clara County, groundwater levels in many monitoring wells reached historic highs this spring and the basin is essentially full.

Weather

Rainfall in San Jose:

- Month of September, City of San Jose = 0.16 inches
- The average daily high temperature for September was 81.1 degrees Fahrenheit. Temperature was above normal for the month

Local Reservoirs

- Total October 1 storage = 70,102 acre-feet
 - » 88% of 20-year average for that date
 - » 42% of total capacity
 - » 63% of restricted capacity (166,808 acre-feet total storage capacity limited by seismic restrictions to 111,963 acre-feet)
- Approximately 640 acre-feet of imported water delivered into local reservoirs during September 2019
- Total estimated releases to streams (local and imported water) during September was 7,839 acre-feet (based on preliminary hydrologic data)

Treated Water

- Above average demands of 11,803 acre-feet delivered in September
- This total is 110% of the five-year average for the month of September
- Year-to-date deliveries = 78,345 acre-feet or 101% of the five-year average

Groundwater

- Groundwater conditions are very healthy, with total storage at the end of 2019 predicted to fall well within Stage 1 (Normal) of Valley Water’s Water Shortage Contingency Plan.

	Santa Clara Subbasin		Llagas Subbasin
	Santa Clara Plain	Coyote Valley	
September managed recharge estimate (AF)	4,500	1,200	2,500
January to September managed recharge estimate (AF)	33,400	9,300	18,900
January to September managed recharge, % of 5-year average	77%	134%	143%
August pumping estimate (AF)	6,000	1,500	4,600
January to August pumping estimate (AF)	33,900	8,000	25,200
January to August pumping, % of 5-year average	68%	109%	93%
GW index well level compared to last September	Higher	Higher	Higher

AF = acre-feet

Imported Water

- 2019 State Water Project (SWP) and Central Valley Project (CVP) allocations:
 - » 2019 SWP allocation of 75%, which provides 75,000 acre-feet to Valley Water
 - » 2019 South-of-Delta CVP allocations are 100% for M&I and 75% for Agriculture, which provides 122,325 acre-feet to Valley Water
- Statewide reservoir storage information, as of September 30, 2019:
 - » Shasta Reservoir at 75% of capacity (126% of average for this date)
 - » Oroville Reservoir at 63% of capacity (102% of average for this date)
 - » San Luis Reservoir at 62% of capacity (132% of average for this date)
- Valley Water's Semitropic groundwater bank reserves are at 97% of capacity, or 340,049 acre-feet, as of August 31, 2019
- Estimated SFPUC deliveries to Santa Clara County:
 - » Month of August = 5,085 acre-feet
 - » 2019 Total to Date = 29,398 acre-feet
 - » Five-year annual average is 48,700 acre-feet
- Board Governance Policy No. EL-5.3.3 includes keeping the Board informed of imported water management activities on an ongoing basis. In calendar year 2019, three imported water management agreements were executed as of October 1, 2019

Conserved Water

- Saved 75,687 acre-feet in FY18 from long-term program (baseline year is 1992)
- Long-term program goal is to save nearly 100,000 acre-feet by 2030
- The Board continues its call for a 20% reduction and a limit of three days per week for irrigation of ornamental landscape with potable water
- Through August, achieved a 23% reduction in water use in calendar year 2019, compared to 2013

Recycled Water

- Estimated September 2019 production = 1,900 acre-feet
- Estimated Year-to-Date through September = 13,500 acre-feet or 88% of the five-year average
- Silicon Valley Advanced Water Purification Center produced an estimated 1.3 billion gallons (4,100 acre-feet) of purified water in 2018. Since the beginning of 2019, about 3,700 acre-feet of purified water has been produced. The purified water is blended with existing tertiary recycled water for South Bay Water Recycling Program's customers



CONTACT US

For more information, contact **Customer Relations** at (408) 630-2880, or visit our website at valleywater.org and use our **Access Valley Water** customer request and information system. With three easy steps, you can use this service to find out the latest information on district projects or to submit questions, complaints or compliments directly to a district staff person.



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Report Name: Board Member Requests

Request	Request Date	Director	BAO/Chief	Staff	Description	20 Days Due Date	Expected Completion Date	Disposition
I-19-0017	10/08/19	Kremen	Richardson	Nguyen	Provide Director Kremen with copies of all letters that have been sent constituents in Director Kremen's district in the last two years regarding CPRU inquires and development proposals.	10/28/19		
R-19-0012	08/27/19	Lezotte	Yoke	Gordon	Staff is to coordinate a mock active shooter exercise replicating an active shooter at a Board Meeting scenario, and investigate, bringing on-site CERT Training (Community Emergency Response Team)	09/25/19		
R-19-0013	10/08/19	Keegan	Richardson	Tippets	Provide Councilmember Deb Davis office with a brief summary of funds spend and activities perforated in Homeless Encampments.	10/29/19		