



SANTA CLARA VALLEY WATER DISTRICT

NON-AGENDA

December 11, 2020

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

Page	<u>CEO BULLETIN & NEWSLETTERS</u>
	CEO Bulletin: None
3	December 2020 Water Tracker
	<u>BOARD MEMBER REQUESTS & INFORMATIONAL ITEMS</u>
6	BMR/IBMR Weekly Reports: 12/10/20
7	Memo from Lisa Bankosh, Acting DOO, Watersheds, to Sue Tippetts, Acting COO, Watersheds, dated 11/20/20, regarding the Vegetation Study and Fellowship Program.
	<u>INCOMING BOARD CORRESPONDENCE</u>
10	Board Correspondence Weekly Report: 12/11/20
11	Letter of Support from Robin Hayr, to the Board of Directors, dated 11/23/20, regarding Recycled and Purified Water (C-20-0187).
12	Email from Andre Costa, to the Board of Directors, dated 12/3/20, regarding the Safe, Clean Water and Natural Flood Protection Program (C-20-0188).
13	Email from Ashis Roy, to Director Varela, dated 12/4/20, regarding the Anderson Dam Project (C-20-0189).
14	Email from Ken Frederickson, to the Board of Directors, dated 12/4/20, regarding the Rinconada Water Treatment Plant Reliability Improvement Project (C-20-0190).
33	Email from John Shepardson, to Chair Hsueh, dated 12/8/20, regarding Hydroelectric Power from Local Dams//Treating Storm Drain Water (C-20-0191)
	<u>OUTGOING BOARD CORRESPONDENCE</u>
35	Email from Chair Hsueh, to John Shepardson, dated 12/8/20, regarding Hydroelectric Power from Local Dams//Treating Storm Drain Water (C-20-0186).
37	Congratulatory letter from Chair Hsueh, to Teresa Alvarado, dated 12/3/20, on her appointment as Chair of the California Water Commission.

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.

CEO BULLETIN

A monthly assessment of trends in water supply and use for Santa Clara County, California

Outlook as of December 1, 2020

We began calendar year 2020 with groundwater storage within Stage 1 (Normal) of the Water Shortage Contingency Plan of Valley Water. Despite well below-normal local rainfall and statewide snow pack, end of year groundwater storage for 2020 is projected to be within Stage 1. Valley Water started drawing down Anderson Reservoir to deadpool well before the October 1, 2020, deadline that was part of the Federal Energy Regulatory Commission (FERC) order. The majority of the water released from Anderson Reservoir has been going to beneficial use.

Weather

Rainfall in San Jose:

- Month of November, City of San Jose = 0.16 inch
- Rainfall year total = 0.16 inches or 6.5% of average to date (rainfall year is July 1 to June 30)
- Month of November, San Jose average daily high temperature = 66.5 degrees Fahrenheit

Local Reservoirs

- Total December 1 storage = 25,080 acre-feet
 - » 39% of 20-year average for that date
 - » 15% of total unrestricted capacity
 - » 40% of restricted capacity (166,140 acre-feet total storage capacity limited by seismic restrictions to 62,362 acre-feet. The restricted capacity includes the added FERC dam safety restriction on Anderson Reservoir effective October 1, 2020)
- Approximately 470 acre-feet of imported water delivered into Calero Reservoir during November 2020
- Approximately 6,290 acre-feet of water released from Anderson Reservoir during November 2020. Since the FERC order to drawdown Anderson Reservoir was issued on February 20, 2020, cumulative release from Anderson is approximately 26,050 acre-feet. Anderson is being lowered to deadpool. Majority of released water was used for groundwater recharge and delivery to water treatment plants (based on preliminary hydrologic data)
- Total estimated releases to streams (local and imported water) during November was 6,830 acre-feet (based on preliminary hydrologic data)

Treated Water

- Above average demands of 7,550 acre-feet delivered in November
- This total is 107% of the five-year average for the month of November
- Year-to-date deliveries = 96,380 acre-feet or 101% of the five-year average

Groundwater

- Groundwater conditions are good. Total storage at the end of 2020 is projected to be in Stage 1 (Normal) of Valley Water's Water Shortage Contingency Plan

	Santa Clara Subbasin		Llagas Subbasin
	Santa Clara Plain	Coyote Valley	
November managed recharge estimate (AF)	3,750	1,100	1,850
January to November managed recharge estimate (AF)	43,800	13,150	18,200
January to November managed recharge, % of 5-year average	79%	94%	92%
October pumping estimate (AF)	7,550	1,200	4,500
January to October pumping estimate (AF)	68,550	10,800	36,900
January to October pumping, % of 5-year average	131%	113%	101%
Current index groundwater levels compared to last November	Lower	Lower	Lower

AF = acre-feet

Imported Water

- As of December 1, 2020, the statewide average snowpack water equivalent is 42% of the historic average for this date
- Current 2020 State Water Project (SWP) and Central Valley Project (CVP) allocations:
 - » 2020 SWP allocation of 20%, which provides 20,000 acre-feet to Valley Water
 - » 2020 South-of-Delta CVP allocations are 70% for M&I and 20% for Agriculture, which provide 97,620 acre-feet to Valley Water
- Initial 2021 SWP and CVP allocations:
 - » 2021 SWP allocation of 10%, which provides 10,000 acre-feet to Valley Water
 - » 2021 South-of-Delta CVP allocations have not yet been identified
- Statewide reservoir storage information, as of December 1, 2020:
 - » Shasta Reservoir at 44% of capacity (75% of average for this date)
 - » Oroville Reservoir at 37% of capacity (61% of average for this date)
 - » San Luis Reservoir at 46% of capacity (76% of average for this date)
- Valley Water's Semitropic groundwater bank reserves are at 97% of capacity, or 339,467 acre-feet, as of October 31, 2020
- Estimated SFPUC deliveries to Santa Clara County:
 - » Month of October = 4,414 acre-feet
 - » 2020 total to date = 41,836 acre-feet
 - » Five-year annual average = 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. One imported water agreement was executed under EL-5.3.3 since the last Water Tracker update

Conserved Water

- Saved 74,198 acre-feet in FY20 from long-term program (baseline year is 1992)
- Long-term program goal is to save nearly 100,000 acre-feet by 2030 and 110,000 acre-feet by 2040
- 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 October, achieved a 17% reduction in water use in calendar year 2020, compared to 2013

Recycled Water

- Estimated November 2020 production = 1,134 acre-feet
- Estimated year-to-date through November = 15,900 acre-feet or 91% of the five-year average
- Silicon Valley Advanced Water Purification Center produced an estimated 1.5 billion gallons (4,568 acre-feet) of purified water in 2019. Since the beginning of 2020, about 4,873 acre-feet of purified water has been produced. The purified water is blended with existing tertiary recycled water for South Bay Water Recycling Program customers

Alternative Sources

- As of December 10, 2019, Valley Water's wastewater contract right from Palo Alto/Mountain View remains at 10,000 acre-feet/year



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.

Follow us on:

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To get eNews, drop an email to: info@valleywater.org

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BOARD MEMBER REQUESTS and Informational Items

Report Name: Board Member Requests

Request	Request Date	Director	BAO/Chief	Staff	Description	20 Days Due Date	Expected Completion Date	Disposition
I-20-0014	08/20/20	Kremen Santos	Yoke	Gordon	Director Kremen requested staff to take a look at the potential of hiring private fire fighting organization to protect the Penitenia WTP. In addition, Director Santos requested information on whether any consideration has been given to installing fire suppression sprinklers on the perimeter or other effective location on WTPs. Copies of both email requests are attached below.	09/10/20		



MEMORANDUM

FC 14 (08-21-19)

TO: Sue Tippets

FROM: Lisa Bankosh

SUBJECT: Vegetation Study and Fellowship Program

DATE: November 20, 2020

This fall Valley Water Fellow, Claire Mallen, in the Watershed Stewardship and Planning Division's Environmental Mitigation and Monitoring Unit, completed the first season of data collection for a county-wide Reference Vegetation Study. The study, which is a component of the Safe, Clean Water and Natural Flood Protection Project D5: Ecological Data Collection and Analysis, was designed to inform and improve Valley Water's mitigation and restoration efforts by surveying Santa Clara County's highest quality remaining native vegetation types that can serve as regionally-appropriate models, or references, for project plans and designs now and under future climate conditions. Understanding of reference conditions will also provide a strong technical basis for the ecological standards used to evaluate project success. At the end of 2021, the study will culminate in a vegetation database to inform projects and permitting throughout the County, as well as a white-paper or journal article. The study directly supports Valley Water's stewardship mission, as well as permit streamlining, and is an important contribution to our regional restoration state-of-the-science.

The study has been a valuable opportunity to strengthen regional partnerships. To implement the study, and with the help of the Real Estate Unit, Claire has worked with private and public landowners to survey vegetation communities across the county including various cities, California State Parks, Midpeninsula Regional Open Space District, and the Santa Clara Valley Open Space Authority. The study follows California Department of Fish and Wildlife (CDFW) and California Native Plant Society (CNPS) protocols, making the data usable for multiple applications. For example, the study data is also being used to inform a Santa Clara County-wide vegetation mapping effort that is currently underway. In recognition of the study's potential to inform their work, several of the landowners and the mapping coalition that Claire is working with have volunteered their own staff to support Claire in the field and with data analysis. The study is also providing baseline information on Valley Water mitigation property affected by wildfire, and serving as the basis for determining Groundwater Dependent Ecosystems for Valley Water's Sustainable Groundwater Management Act compliance.

The study also highlights the mutual benefits of Valley Water's Fellowship Program. Claire, a recent University of San Francisco Master's degree graduate, has gained valuable research and work experience and greatly expanded her professional network. Meanwhile, Valley Water's partnerships and technical reputation are being strengthened by Claire's high-quality, enthusiastic, and dedicated work. Although the first few months of her 2020 field season were severely complicated by the pandemic, Claire was still able to visit 30 non-Valley Water properties, complete 213 surveys, and identify over 150 plant species. (Attachment 1).

DocuSigned by:

Lisa Bankosh

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Acting Deputy Operating Officer
Watersheds Stewardship and Planning Division

Attachment 1: Claire field working

