

July 1, 2021

MEETING NOTICE & REQUEST FOR RSVP**TO: AGRICULTURAL WATER ADVISORY COMMITTEE****Jurisdiction**

District 1
District 2
District 3
District 4
District 5
District 6
District 7
Loma Prieta Resource Conservation District
Private Well Owner (Non Retail)

Representative

Russ Bonino
James Provenzano
William Cilker
Sheila Barry
Jan F. Garrod
Tim Chiala
Sandra Carrico
Peter Van Dyke
Dhruv Khanna

Representative

Mitchell Mariani

David Vanni
Brent Bonino
Michael Miller
Robert Long

The regular meeting of the Agricultural Water Advisory Committee is scheduled to be held on **Monday, July 12, 2021, at 1:30 p.m.**, Join Zoom Meeting

<https://valleywater.zoom.us/j/98850905996>.

Enclosed are the meeting agenda and corresponding materials. Please bring this packet with you to the meeting. Additional copies of this meeting packet are available on our new website at <https://www.valleywater.org/how-we-operate/committees/board-advisory-committees>.

A majority of the appointed membership is required to constitute a quorum, which is fifty percent plus one. A quorum for this meeting must be confirmed at least 48 hours prior to the scheduled meeting date or it will be canceled.

Further, a quorum must be present on the day of the scheduled meeting to call the meeting to order and take action on agenda items.

Members with two or more consecutive unexcused absences will be subject to rescinded membership.

Please confirm your attendance no later than **1:00 p.m., Thursday, July 8, 2021**, by contacting Ms. Glenna Brambill at 1-408-630-2408, or gbrambill@valleywater.org.

Enclosures



Agricultural Water Advisory Committee Meeting

Join Zoom Meeting Information:

<https://valleywater.zoom.us/j/98850905996>

Meeting ID: 988 5090 5996

One tap mobile

+16699009128,,98850905996# US (San Jose)

Dial by your location

+1 669 900 9128 US (San Jose)

Meeting ID: 988 5090 5996



Santa Clara Valley Water District Agricultural Water Advisory Committee Meeting

Teleconference Via Zoom

Join Zoom Meeting

<https://valleywater.zoom.us/j/98850905996>

REGULAR MEETING AGENDA

**Monday, July 12, 2021
1:30 PM**

District Mission: Provide Silicon Valley safe, clean water for a healthy life, environment and economy.

David Vanni, Chair
Jan Garrod, Vice Chair

BOARD REPRESENTATIVES:
Director Nai Hsueh
Director Richard P. Santos
Director John L. Varela

During the COVID-19 restrictions, all public records relating to an open session item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body, will be available to the public through the legislative body agenda web page at the same time that the public records are distributed or made available to the legislative body, or through a link in the Zoom Chat Section during the respective meeting. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to participate in the legislative body's meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

Mr. Darin Taylor, (Staff
Liaison)

Ms. Glenna Brambill, (COB
Liaison)
Management Analyst II
gbrambill@valleywater.org
1-408-630-2408

Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.

Santa Clara Valley Water District
Agricultural Water Advisory Committee
REGULAR MEETING
AGENDA

Monday, July 12, 2021

1:30 PM

Teleconference Via Zoom

IMPORTANT NOTICES

This meeting is being held in accordance with the Brown Act as currently in effect under the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive Order N-29-20 issued on March 17, 2020 that allows attendance by members of the Committee, staff, and the public to participate and conduct the meeting by teleconference, videoconference, or both.

Members of the public wishing to address the Committee during a video conferenced meeting on an item not listed on the agenda, or any item listed on the agenda, should use the "Raise Hand" tool located in Zoom meeting link listed on the agenda. Speakers will be acknowledged by the Committee Chair in the order requests are received and granted speaking access to address the Committee.

Santa Clara Valley Water District (Valley Water) in complying with the Americans with Disabilities Act (ADA), requests individuals who require special accommodations to access and/or participate in Valley Water Committee meetings to please contact the Clerk of the Board's office at (408) 630-2711, at least 3 business days before the scheduled meeting to ensure that Valley Water may assist you.

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has not been prepared with a view to informing an investment decision in any of Valley Water's bonds, notes or other obligations. Any projections, plans or other forward-looking statements included in the information in this agenda are subject to a variety of uncertainties that could cause any actual plans or results to differ materially from any such statement. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of Valley Water's bonds, notes or other obligations and investors and potential investors should rely only on information filed by Valley Water on the Municipal Securities Rulemaking Board's Electronic Municipal Market Access System for municipal securities disclosures and Valley Water's Investor Relations website, maintained on the World Wide Web at <https://emma.msrb.org/> and <https://www.valleywater.org/how-we-operate/financebudget/investor-relations>, respectively.

Under the Brown Act, members of the public are not required to provide identifying information in order to attend public meetings. Through the link below, the Zoom webinar program requests entry of a name and email address, and Valley Water is unable to modify this requirement. Members of the public not wishing to provide such identifying information are encouraged to enter "Anonymous" or some other reference under name and to enter a fictional email address (e.g., attendee@valleywater.org) in lieu of their actual address. Inputting such values will not impact your ability to access the meeting through Zoom.

Join Zoom Meeting

<https://valleywater.zoom.us/j/98850905996>

Dial by your location

+1 669 900 9128 US (San Jose)

Meeting ID: 988 5090 5996

1. CALL TO ORDER:

1.1. Roll Call.

2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON THE AGENDA.

Notice to the Public: Members of the public who wish to address the Committee on any item not listed on the agenda should access the "Raise Hand" tool located in Zoom meeting link listed on the agenda. Speakers will be acknowledged by the Committee Chair in order requests are received and granted speaking access to address the Committee. Speakers comments should be limited to two minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.

3. APPROVAL OF MINUTES:

3.1. Approval of Minutes.

[21-0669](#)

Recommendation: Approve the April 5, 2021, Meeting Minutes.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: 04052021 Ag Wtr DRAFT Mins](#)

Est. Staff Time: 5 Minutes

4. ACTION ITEMS:

4.1. Water Shortage Emergency Condition and Call for Conservation. [21-0701](#)

Recommendation: Receive information on Water Shortage Emergency Condition and Call for Conservation.

Manager: Vincent Gin, 408-630-2633

Attachments: [Attachment 1: Resolution 21-68](#)

[Attachment 2: PowerPoint](#)

Est. Staff Time: 15 Minutes

4.2. Review FY2022 Board Work Plan. [21-0670](#)

Recommendation: Review the Board's work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: FY22 Board Work Plan](#)

Est. Staff Time: 15 Minutes

4.3. Review Agricultural Water Advisory Committee Work Plan, the Outcomes of Board Action of Committee Requests; and the Committee's Next Meeting Agenda. [21-0671](#)

Recommendation: Review the Committee work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: 2021 Ag Water Work Plan](#)

Est. Staff Time: 5 Minutes

5. INFORMATION ITEMS:

5.1. Standing Items Report. [21-0672](#)

Recommendation: **Standing Items Reports**

This item allows the Agricultural Water Advisory Committee to receive verbal or written updates and discuss the Board's Fiscal Year 2021 Work Plan Strategies. These items are generally informational; however, the Committee may request additional information and/or provide collective input to the assigned Board Committee.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: Standing Items Report](#)

Est. Staff Time: 5 Minutes

5.2. Climate Change Action Plan.

[21-0673](#)

Recommendation: Provide information on the Climate Change Action Plan.

Manager: Lisa Bankosh, 408-630-2618
Kirsten Struve, 408-630-3138

Attachments: [Attachment 1: CCAP Summary](#)
[Attachment 2: PowerPoint Presentation](#)

Est. Staff Time: 15 Minutes

6. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.

7. REPORTS:

- 7.1. Director's Report
- 7.2. Manager's Report
- 7.3. Committee Member Report
- 7.4. Informational Link

8. ADJOURN:

- 8.1. Adjourn to Regular Meeting at 1:30 p.m., on October 4, 2021, to be called to order in compliance with the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive Order N-29-20.



Santa Clara Valley Water District

File No.: 21-0669

Agenda Date: 7/12/2021
Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Approval of Minutes.

RECOMMENDATION:

Approve the April 5, 2021, Meeting Minutes.

SUMMARY:

A summary of Committee discussions, and details of all actions taken by the Committee, during all open and public Committee meetings, is transcribed and submitted for review and approval.

Upon Committee approval, minutes transcripts are finalized and entered into the District's historical records archives and serve as historical records of the Committee's meetings.

ATTACHMENTS:

Attachment 1: 04052021, Ag Water Draft Meeting Mins.

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711



AGRICULTURAL WATER ADVISORY COMMITTEE MEETING

DRAFT MINUTES

**MONDAY, APRIL 5, 2021
1:30 PM**

A regularly scheduled meeting of the Agricultural Water Advisory Committee was held on April 5, 2021, Teleconference via Zoom in San Jose, California.

1. CALL TO ORDER/ROLL CALL

Chair David Vanni called the meeting to order at 1:31 p.m.

Members in attendance were:

<u>Jurisdiction</u>	<u>Representative</u>
District 1	Russ Bonino
	Mitchell Mariani
District 2	James Provenzano
District 3	William Cilker
	David Vanni
District 4	Sheila Barry
	Brent Bonino
District 5	Jan Garrod*
	Michael Miller
District 6	Robert Long
District 7	Sandra Carrico
Loma Prieta Resource Conservation District	Peter Van Dyke
Private Well Owner (Non-Retail)	Dhruv Khanna*

Member not in attendance was:

<u>Jurisdiction</u>	<u>Representative</u>
District 6	Tim Chiala

Board members in attendance were: Director Nai Hsueh (District 5), Board Alternate, Director Richard P. Santos (District 3), and Director John L. Varela (District 1), Board Representatives.

Staff members in attendance were: Glenna Brambill, Vanessa De La Piedra, James Downing, Melissa Fels, Vincent Gin, Carmen Narayanan, Kirsten Struve, Darin Taylor, and Gregory Williams.

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Guests in attendance were: Jill Bicknell (EOA, Inc.) and Lena Eyen (OSA).

Public in attendance was: George Fohner.

2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON AGENDA

There was no one present who wished to speak.

*Mr. Jan Garrod logged on at 1:35 p.m.

*Mr. Dhruv Khanna logged on at 1:40 p.m.

3. APPROVAL OF MINUTES

3.1 APPROVAL OF MINUTES

It was moved by Mr. Bill Cilker, second by Ms. Sheila Barry, and by roll call and majority vote approved the January 4, 2021, Agricultural Water Advisory Committee meeting minutes, as presented. Mr. Peter Van Dyke abstained.

4. ACTION ITEMS:

**4.1 REVIEW AND COMMENT TO THE BOARD ON THE FISCAL YEAR 2021-22
MAXIMUM PROPOSED GROUNDWATER PRODUCTION CHARGES**

Mr. Darin Taylor reviewed the materials as outlined in the agenda.

The Agricultural Water Advisory Committee (Mr. Peter Van Dyke, Mr. Dhruv Khanna and Ms. Sheila Barry) discussed the following: subsidence, rates, open space, preservation of farmland, recharge, and ecosystem services.

The Agricultural Water Advisory Committee took the following action:

It was moved by Mr. Dhruv Khanna, second by Mr. Peter Van Dyke, and by roll call and unanimous vote to support the Santa Clara County Farm Bureau's April 5, 2021, Letter with the main requests being: 1). Valley Water freeze ag groundwater rates for the next 15 years, and 2). Valley Water work affirmatively and actively with farmers going forward to increase the aquifer recharge done on farmlands over and above what farmlands have done routinely in years past.

The other considerations noted in the letter are below



605 Tennant Ave., Suite H, Morgan Hill, CA 95037
(408) 776-1684
info@santaclarafarmbureau.org
www.sccfarmbureau.org

April 5, 2021

Board of Directors & Agricultural Water Advisory Committee Members
Valley Water
5750 Almaden Expy
San Jose, CA 95118

Dear Honorable Directors of Valley Water and Members of the Agricultural Water Advisory Committee,

Regarding groundwater production charges, the Santa Clara County Farm Bureau would like to emphasize the following:

1. Our agricultural ground water production charges have doubled over the past ten years
2. These charges bring in revenue to Valley Water that are minuscule relative to the Valley Water's operations and total budget
3. The Santa Clara County Farm Bureau has supported Valley Water's efforts to raise funds from the public
4. Farmers have adopted efficiency enhancing and water use minimizing irrigation techniques such as drip irrigation with great speed over the past few decades
5. Farmers continue to be falsely painted as careless users of water

We ask that you adopt a different strategy with respect to farmers, and specifically with respect to Points 1 and 5 above. We acknowledge and are grateful that Valley Water has historically recognized that farmers provide the public with numerous benefits such as open space, carbon-reduction, local-grown produce, recreational opportunities, bio-filtration of water etc.

That farmers also reduce run-off and engage in aquifer recharge during the rainy season has been less well recognized. As the supply of water has become an increasing concern in our state and in our County, we are pleased to see that there is increasing recognition of the role of farmers and farmland in aquifer recharge statewide.

Accordingly, we respectfully submit the following points for your consideration:

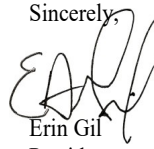
First, we ask that Valley Water affirmatively emphasize the role of farmers in deploying irrigation techniques that make efficient water use and in replenishing our aquifers. The needless and unfounded vilification of farmers as water-wasters must cease. We ask your public affairs unit to emphasize going forward the historical zeal with which farmers have adopted water-efficient irrigation techniques and our historical and continuing role with respect to run-off reduction and aquifer recharge during rainy months.

Second, at our Board meeting on March 2, 2021, we adopted the following resolution that we now bring to your attention: "All customers of Valley Water who are charged ground water production charges for ground water they pump should be credited fully with the ground water recharged on their lands during months of rainfall as determined by application of the Santa Clara County Drainage Manual (adopted August 14, 2007). This amount of

Attachment 1
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recharge credited to each ground water user as determined by application of the Santa Clara County Drainage Manual should offset the quantity of ground water pumped by the customer for which Valley Water currently applies its ground water charges." We respectfully ask that Valley Water recognize that the quantification of the aquifer recharges, done by farmers on a farm-by-farm and collective basis, is important to record and credit with fidelity since Valley Water charges all ground water users for the quantities of water that Valley Water itself adds to our aquifers.

In the light of the above, we ask that you reconsider Valley Water's routine subjection of farmers to the last ten years of agricultural ground water production rate increases. We specifically and respectfully ask: (i) That Valley Water freeze agricultural ground water rates for the next fifteen years; and (ii) That Valley Water work affirmatively and actively with farmers going forward to increase the aquifer recharge done on farmlands over and above what farmlands have done routinely in years past.

Sincerely,

Erin Gil
President

4.2 STORMWATER CAPTURE REPORT

Ms. Kirsten Struve introduced the guest presenter, Ms. Jill Bicknell (EOA, Inc.) who reviewed the materials as outlined in the agenda.

The Agricultural Water Advisory Committee (Mr. Jan Garrod, Mr. Dhruv Khanna, Mr. Peter Van Dyke, and Ms. Sandra Carrico) discussed the following: goal of putting water back into the ground, erosion, infiltration, terrain, cleaning of water downstream or upstream, Landscape Rebate Program, chemicals, fertilization, toxicity, pesticides, turbidity, impervious concrete, and cover cropping.

The Agricultural Water Advisory Committee took no action.

4.3 REVIEW AGRICULTURAL WATER ADVISORY COMMITTEE WORK PLAN, THE OUTCOMES OF BOARD ACTION OF COMMITTEE REQUESTS; AND THE COMMITTEE'S NEXT MEETING AGENDA

Ms. Glenna Brambill reviewed the materials as outlined in the agenda.

The Agricultural Water Advisory Committee took no action.

5. INFORMATION ITEMS:

5.1 STANDING ITEMS REPORT

Ms. Glenna Brambill reviewed the materials as outlined in the agenda.

The Agricultural Water Advisory Committee took no action.

6. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS TO THE BOARD

Ms. Glenna Brambill reported there was one action item for Board consideration.

Agenda item 4.1

The Committee by roll call and unanimous voted to support the Santa Clara County Farm Bureau's April 5, 2021, Letter with the main requests being: 1). Valley Water freeze ag groundwater rates for the next 15 years, and 2). Valley Water work affirmatively and actively with farmers going forward to increase the aquifer recharge done on farmlands over and above what farmlands have done routinely in years past and the other considerations noted in the letter.

7. ADJOURNMENT

Chair David Vanni adjourned in memory of Hon. Sig Sanchez at 3:08 p.m. to the regular meeting on Monday, July 12, 2021, at 1:30 p. m. to be called to order in compliance with the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive Order N-29-20.

Glenna Brambill
Board Committee Liaison
Office of the Clerk of the Board

Approved:



Santa Clara Valley Water District

File No.: 21-0701

Agenda Date: 7/12/2021

Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Water Shortage Emergency Condition and Call for Conservation.

RECOMMENDATION:

Receive information on Water Shortage Emergency Condition and Call for Conservation.

SUMMARY:

Drought Conditions

On June 9, 2021, the Board declared a water shortage emergency condition pursuant to California Water Code §350; called for water use restrictions of 15% compared to 2019; and urged the County of Santa Clara to proclaim a local emergency (Attachment 1). The County of Santa Clara proclaimed a local emergency on June 15, which was ratified by the Board of Supervisors on June 22.

Reflecting critically dry conditions across the state, the Central Valley Project and State Water Project have drastically reduced imported water allocations, which comprise half of Santa Clara Valley Water District's (Valley Water) typical annual water supply. Valley Water has been negotiating purchases of emergency transfer water supplies; however, potential state regulatory actions pose significant uncertainty to water transfers.

Furthermore, Valley Water is impacted by the unavailability of Anderson Reservoir as a surface water storage facility for the duration of the Anderson Dam Seismic Retrofit Project, which is expected to last 10 years. The loss of Anderson, lower imported water supplies, and uncertainty over emergency water transfers can result in rapid and significant drops in our groundwater levels and resulting in the potential for subsidence and dry wells. In South County, groundwater is the only drinking water supply.

Consequently, water conservation is an important strategy to help alleviate these negative impacts.

Agricultural Water Conservation Programs

As part of the Resolution, Valley Water commits to aggressively promote water conservation programs to all water users including agriculture and urges Santa Clara County farmers to consider the water shortage emergency condition in planting and irrigation practices. Staff will work with the Agricultural Water Advisory Committee and the Farm Bureau to highlight Valley Water's agricultural water conservation programs. Valley Water has several conservation programs for agriculture and is currently developing an agricultural water use baseline study. Valley Water's Mobile Irrigation Lab provides seasonal crop canopy monitoring, irrigation system design consultation, and irrigation scheduling decision support for those that sign up for the program. For part of this process, there is

an online decision support and operational task management tool for the site-specific conditions of their farm or ranch.

ATTACHMENTS:

Attachment 1: Resolution 21-68

Attachment 2: PowerPoint

UNCLASSIFIED MANAGER:

Vincent Gin, 408-630-2633

**BOARD OF DIRECTORS
SANTA CLARA VALLEY WATER DISTRICT**

RESOLUTION NO. 21-68

**RESCINDING RESOLUTION 17-43, DECLARING A WATER SHORTAGE
EMERGENCY CONDITION CALLING FOR WATER USE RESTRICTIONS, AND
URGING THE COUNTY OF SANTA CLARA TO PROCLAIM A LOCAL EMERGENCY**

WHEREAS, a public hearing was held on June 9, 2021, on the matter of whether the Santa Clara Valley Water District (Valley Water) Board of Directors should declare that a water shortage emergency condition exists within Santa Clara County (County); and

WHEREAS, notice of said hearing was published on June 2, 2021, in the *San Jose Mercury News*, a newspaper of general circulation printed and published within the County; and

WHEREAS, at said hearing, all persons present were given an opportunity to be heard by the Board; and

WHEREAS, the Board heard and considered public testimony, staff's presentation, and other evidence presented at said hearing; and

WHEREAS, the County is in its second consecutive year of drought, and the County is now in an extreme drought condition according to the United States Drought Monitor; and

WHEREAS, pursuant to Water Code Section 350 a "governing body of a distributor of a public water supply, whether publicly or privately owned and including a mutual water company, shall declare a water shortage emergency condition to prevail within the area served by such distributor whenever it finds and determines that the ordinary demands and requirements of water consumers cannot be satisfied without depleting the water supply of the distributor to the extent that there would be insufficient water for human consumption, sanitation, and fire protection"; and

WHEREAS, the Board seeks to conserve the limited water supply of Valley Water for the greatest public benefit with particular regard to public health, fire protection, and domestic use without threatening local land subsidence, by ensuring the conservation of water, by avoiding the waste of water, and to the extent necessary and by reason of the existing water shortage emergency condition, by reducing water use in the County in a manner that is fair and equitable; and

WHEREAS, on March 22, 2021, the California State Water Resources Control Board mailed early warning notices to water rights holders in California, including Valley Water, urging them to plan for potential shortages by reducing water use and adopting practical conservation measures; and

WHEREAS, local watershed runoff was substantially limited in the 2020 and 2021 water years due to extreme dry conditions and Valley Water's current local surface water storage as of June 1 is at 26 percent of the 20-year average; and

WHEREAS, Anderson Reservoir is Valley Water's largest surface water reservoir and holds up to 89,278 acre-feet of water—more than all of Valley Water's other nine surface water reservoirs combined; and

WHEREAS, on February 20, 2020, the Federal Energy Regulatory Commission, for public health and safety reasons, ordered Valley Water to drain Anderson Reservoir to deadpool beginning no later than October 1, 2020; and

WHEREAS, Anderson Reservoir has been drained to deadpool and will not be available as a surface water storage facility for the duration of the Anderson Dam Seismic Retrofit Project, which is expected to last 10 years; and

WHEREAS, the availability of Coyote Reservoir, Valley Water's second largest reservoir, is also limited because of California Department of Water Resources Division of Safety of Dams storage limits; and

WHEREAS, due to the unavailability of Anderson Reservoir and limited availability of Coyote Reservoir due to regulatory restrictions, Valley Water's ability to store water locally for groundwater recharge and water treatment plant supplies, and as a buffer to mitigate against current and future water shortages, is significantly limited; and

WHEREAS, the snowpack in the northern Sierra Nevada Mountains was 5 percent of normal and the statewide snow water equivalent was zero percent of normal as of June 1, 2021; and the 2021 State Water Project allocation is 5 percent, and the 2021 South-of-Delta Central Valley Project allocation is currently 25 percent for Municipal & Industrial water and zero percent for Agricultural water; and

WHEREAS, there is significant uncertainty as to local and statewide water supply conditions, and imported supplies may continue to be negatively impacted; and

WHEREAS, Santa Clara County relies heavily on unpredictable imported water to supplement local water to supply its drinking water treatment plants, to replenish the local groundwater basins, and to prevent adverse community impacts such as the return of historic overdraft and land subsidence in northern Santa Clara County; and

WHEREAS, through careful groundwater management, Santa Clara County groundwater storage at the start of 2021 was well within the "Normal" stage (Stage 1) of Valley Water's Water Shortage Contingency Plan, but without additional water use reduction this storage is expected to drop significantly by as much as 80,000 acre-feet by the end of 2021 due to limited recharge and increased pumping as a result of drought conditions, reduced imported water allocations, and the loss of Anderson Reservoir as a surface water storage facility; and

WHEREAS, if drought conditions continue into 2022 and imported water supplies continue to be severely limited, the worst case scenario projects groundwater to drop to the "Emergency" stage (Stage 5) of the Water Shortage Contingency Plan without additional water use reduction, which would greatly increase the risk of resumed land subsidence in northern Santa Clara County, risk wells going dry in residential areas of the County where groundwater is the sole source of drinking water, and risk that the ordinary demands and requirements of water consumers will not be satisfied without depleting the water supply to the extent that there would be insufficient water for human consumption, sanitation, and fire protection; and

WHEREAS, due to historic groundwater overdraft, the greater San José metropolitan area and heart of Silicon Valley had up to 14 feet of permanent subsidence, which resulted in seawater

intrusion, increased flood risk, and widespread damage to infrastructure, conservatively estimated to cost over \$947 million in 2021 dollars; and

WHEREAS, over 3,000 domestic wells users in southern Santa Clara County depend on groundwater for potable water supplies and these wells are often more vulnerable than public water supply wells, which are typically deeper; and

WHEREAS, Valley Water must maintain sufficient groundwater storage to guard against land subsidence, meet local water demands, cope with supply interruptions from natural disasters and ensure sufficient water for fire protection; and

WHEREAS, it is Valley Water's policy and is in the interest of Valley Water and the community to reduce the severity and occurrences of drought or dry weather induced water shortages by encouraging water use reduction measures so that available water supplies can meet at least 80 percent of average annual demand in drought years; and

WHEREAS, Santa Clara County and the region are subject to reoccurring droughts of varying severity, such as those prompting Valley Water to call for water use reductions in 1977, 1987 to 1992, 2007 to 2010; and

WHEREAS, Santa Clara County and California experienced a historic, multiyear drought from 2012 to 2016, prompting Valley Water to call for mandatory water use reductions between 20 to 30 percent since 2014; and

WHEREAS, on June 13, 2017, by Resolution 17-43, Valley Water continued its call for a voluntary 20 percent water use reduction (as compared to 2013 water use), and called for efforts to make water conservation a way of life; and

WHEREAS, on April 27, 2021, the Board voted to call for a voluntary 25 percent water use reduction (as compared to 2013 water use); and

WHEREAS, continuing the progress and momentum of community water use reductions and water wise efforts to make water conservation a way of life will improve long-term water supply reliability; and

WHEREAS, increasing long-term water conservation efforts and improving water use efficiency; strengthening local and regional drought planning; and increasing water supply and land use planning coordination are critical to Santa Clara County's resilience to drought, which may be intensified in the future with climate change; and

WHEREAS, Valley Water continues to work closely with its retail water agencies, untreated surface water customers, well owners, farmers, regulatory agencies, state and federal project operators, other water districts, and local municipalities and land use agencies to develop common sense approaches with the goal of achieving drought resiliency.

NOW, THEREFORE BE IT RESOLVED that the Board of Directors of the Santa Clara Valley Water District hereby:

1. Rescinds Board Resolution 17-43; and
2. Declares pursuant to California Water Code Section 350 that a water shortage emergency condition now prevails within the County and a continued supply of water cannot be assured for human consumption, sanitation, and fire protection without threatening local land subsidence, and that such water shortage emergency condition shall continue until the Valley Water's Board adopts a finding determining otherwise; and
3. Establishes a water reduction program pursuant to Article C(4)(c) of Valley Water's treated water contracts by calling for water retailers to achieve a water use reduction equal to 33 percent of 2013 water use (15 percent of 2019 water use), which will result in a 23 percent reduction of Valley Water treated water scheduled deliveries to water retailers while such water reduction program is in effect; and
4. Commits to aggressively promote its conservation programs and information for the public, residents, businesses, agricultural and untreated water customers, and retailers to support all sectors in reducing water use; and
5. Urges Santa Clara County farmers and untreated water customers to consider the water shortage emergency condition in planting and irrigation practices; and
6. Calls for the public to restrict outdoor watering of ornamental landscapes or lawns with potable water to a maximum of three days a week; and
7. Urges local enforcement of other water waste restrictions currently in effect by local agencies and retailers, or as may be amended; and
8. Requests that the Santa Clara County Board of Supervisors proclaim a local emergency now exists throughout the County due to drought conditions; and
9. Supports local adoption and enforcement of additional water waste restrictions by cities, retailers, and the County as needed to achieve the water use reduction target of 15 percent of 2019 water use (33 percent of 2013 water use); these may include prohibitions against the following:
 - Use of potable water for more than minimal landscaping, as defined in the landscaping regulated of the jurisdiction or as described in Article 10.8 of the California Government Code in connection with new construction;
 - Excessive use of water: when a utility has notified the customer in writing to repair a broken or defective plumbing, sprinkler, watering or irrigation system and the customer has failed to affect such repairs within five business days, the utility may install a flow restriction device;
 - Use of potable water that results in flooding or runoff in gutters or streets;

- Individual private washing of cars with a hose except with the use of a positive action shut-off nozzle. Use of potable water for washing commercial aircraft, cars, buses, boats, trailers, or other commercial vehicles at any time, except at commercial or fleet vehicle or boat washing facilities operated at a fixed location where equipment using water is properly maintained to avoid wasteful use;
 - Use of potable water for washing buildings, structures, driveways, patios, parking lots, tennis courts, or other hard-surfaced areas, except in the cases where health and safety are at risk;
 - Use of potable water to irrigate turf, lawns, gardens, or ornamental landscaping by means other than drip irrigation, or hand watering without quick acting positive action shut-off nozzles, on a specific schedule, for example: 1) before 9:00 a.m. and after 5:00 p.m.; 2) every other day; or 3) selected days of the week;
 - Use of potable water for street cleaning with trucks, except for initial wash-down for construction purposes (if street sweeping is not feasible), or to protect the health and safety of the public;
 - Use of potable water for construction purposes, such as consolidation of backfill, dust control, or other uses unless no other source of water or other method can be used;
 - Use of potable water for construction purposes unless no other source of water or other method can be used;
 - Use of potable water for street cleaning;
 - Operation of commercial car washes without recycling at least 50 percent of the potable water used per cycle;
 - Use of potable water for watering outside plants, lawn, landscape, and turf areas during certain hours if and when specified in CPUC Tariff Schedule No. 14.1 when the schedule is in effect;
 - Use of potable water for decorative fountains or the filling or topping off of decorative lakes or ponds. Exceptions are made for those decorative fountains, lakes, or ponds which utilize recycled water;
 - Use of potable water for the filling or refilling of swimming pools;
 - Service of water by any restaurant except upon the request of a patron; and
 - Use of potable water to flush hydrants, except where required for public health or safety.
10. Recommends cities, retailers, and the County consider adopting water waste restrictions that are permanent.

Rescinding Resolution 17-43, Declaring a Water Shortage Emergency Condition Calling for
Water Use Restrictions, and Urging the County of Santa Clara to Proclaim a Local Emergency
Resolution No. 21-68

PASSED AND ADOPTED by the Board of Directors of the Santa Clara Valley Water District by
the following vote on June 9, 2021:

AYES: Directors R. Santos, N. Hsueh, T. Estremera, B. Keegan, G. Kremen,
L. LeZotte, J. Varela
NOES: Directors None
ABSENT: Directors None
ABSTAIN: Directors None

SANTA CLARA VALLEY WATER DISTRICT


TONY ESTREMERERA
Chair, Board of Directors

ATTEST: MICHELE L. KING, CMC


Clerk, Board of Directors

Water Shortage Emergency Condition and Call for Conservation

Agricultural Water Advisory Committee Meeting
July 12, 2021

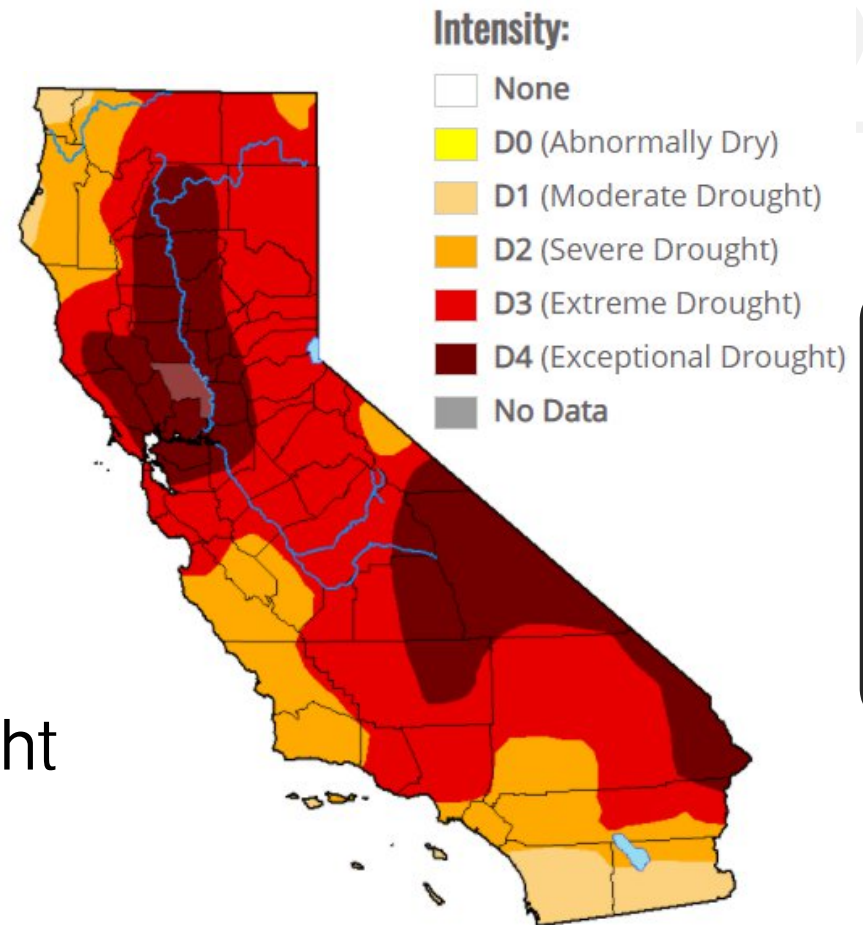


Drought Status





April 21 - Governor Newsom
Drought proclamation - Mendocino,
Sonoma counties

May 10 - Expanded to 41 counties

June 22 - U.S. Drought Monitor:
Santa Clara County in Extreme Drought



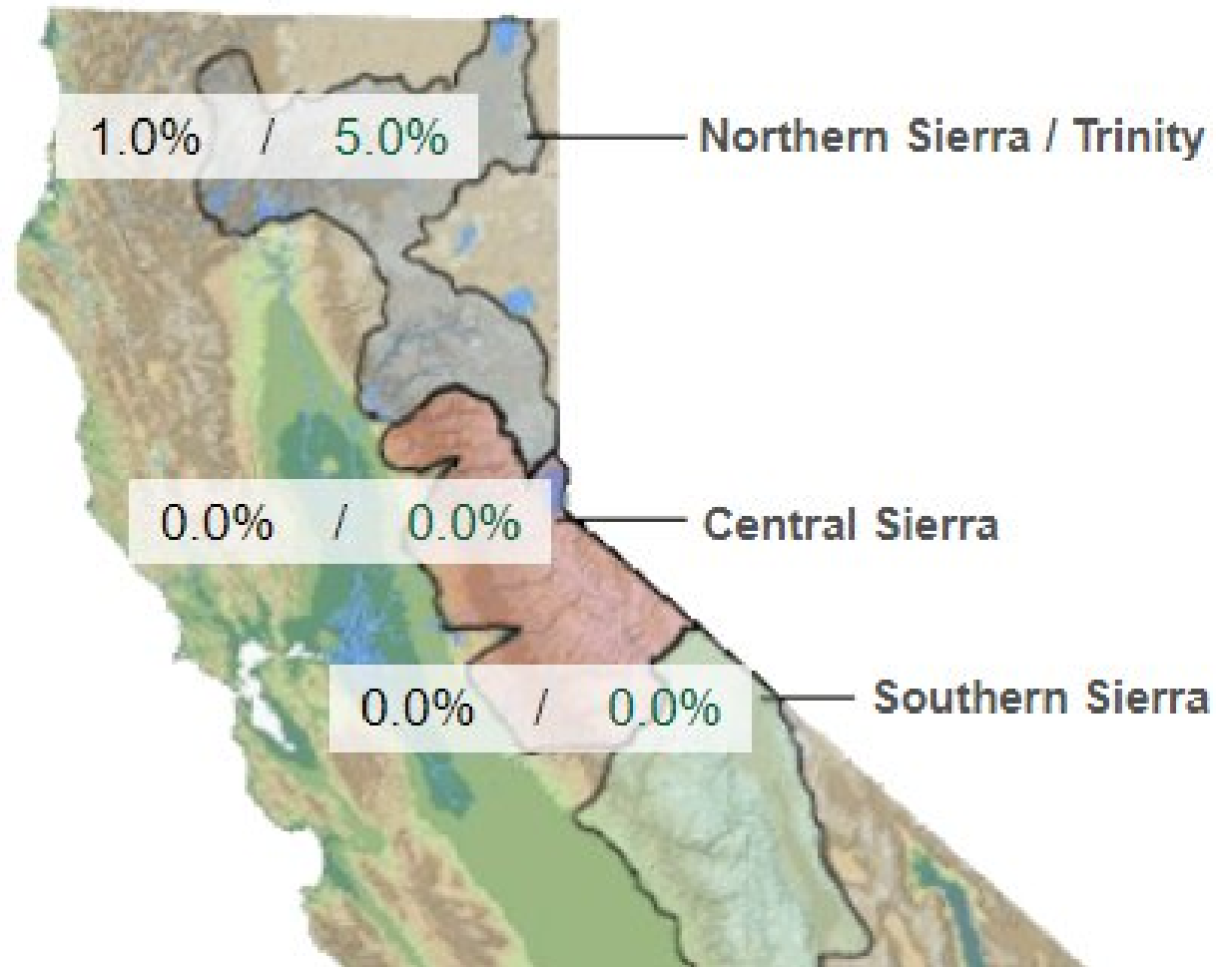
Fifty percent of our water is imported

	Local Water (30%) <ul style="list-style-type: none">• Groundwater aquifer• Reservoirs
	Imported Water (50%) <ul style="list-style-type: none">• Delta conveyed• Hetch Hetchy
	Recycled Water (5%) <ul style="list-style-type: none">• Wastewater Treatment• Advanced Purification
	Conservation (15%) <ul style="list-style-type: none">• Residential• Commercial, Agriculture

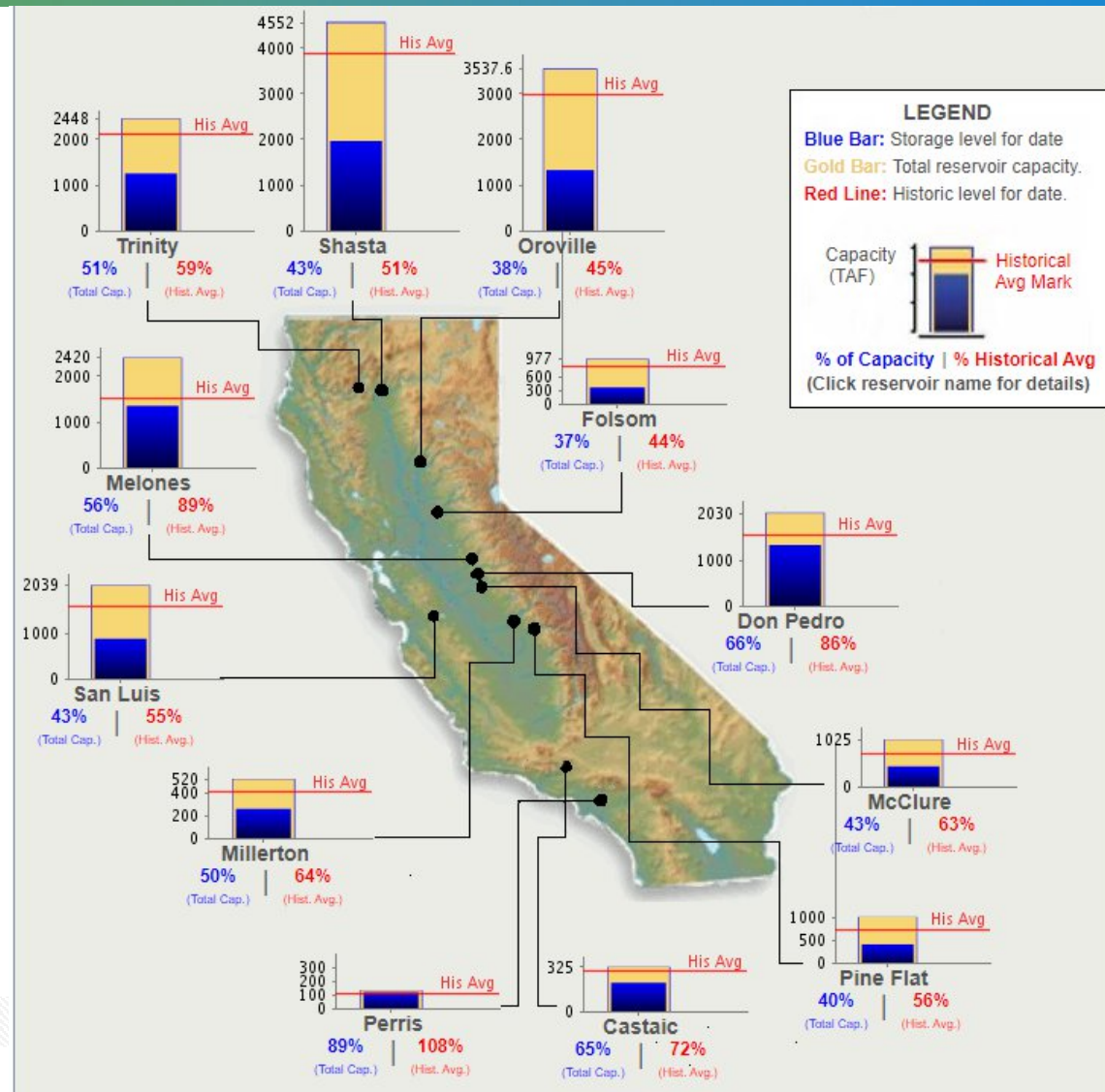
Snowpack:

Zero percent of
average

% Apr 1 Avg. / % Normal for this Date



Conditions for Major Reservoirs



2021 Drought Impacts to Valley Water

Local water supplies are low

Imported water allocations are low:

State Water Project: 5% (5,000 acre-feet)

Central Valley Project: (42,929 acre-feet)

0% Agriculture

25% Municipal & Industrial (plus credits for deliveries prior to June 1)

Loss of Anderson Increases Risk

Drained by federal mandate for seismic retrofit
(89,278 acre-feet capacity)



Risk to Water Supply (2021)

Without additional water use reduction, groundwater storage may drop rapidly and significantly (up to 80,000 acre-feet) by the end of 2021 due to:

- Limited recharge; increased pumping from drought

- Reduced imported water allocations

- Loss of Anderson Reservoir as a surface water storage facility

Groundwater is about 40% of county water use.

Groundwater is the only drinking water source in South County.

Risk to Water Supply (2022)

If drought conditions continue in 2022 and imported water supplies are extremely limited, groundwater storage is projected to be in Stage 5 (Emergency), greatly increasing risk of:

Wells going dry, especially in South County
Resumed land subsidence in North County

Water Shortage Emergency Condition

- Declared Water Shortage Emergency Condition calling for Water Use Restriction on June 9, 2021
- County proclaimed local emergency on June 15 which was ratified by the County Board of Supervisors on June 22
- Resolution includes:
 - Valley Water to aggressively promote water conservation programs to all water users including agriculture
 - Urging Santa Clara County farmers to consider the water shortage emergency condition in planting and irrigation practices.

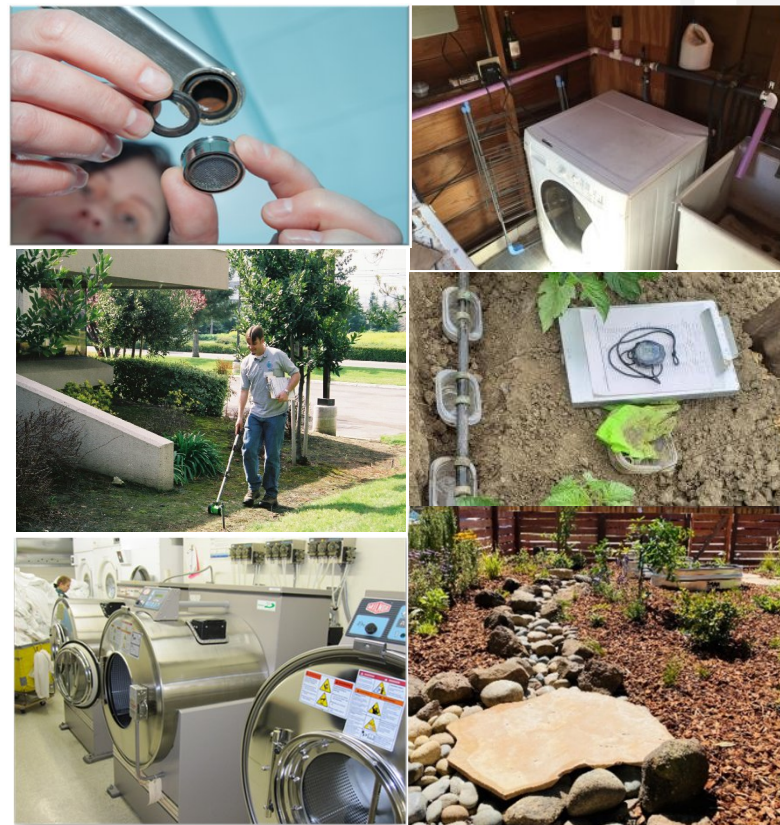
Valley Water Drought Response

- Doubled Landscape Conversion Rebate (\$1 to \$2 per sq. ft.)
- Increased conservation messaging
- BeHeard interactive webpage
- Reduce retailer deliveries
- Ensure adequate recharge in South County
- Pause imported water releases to most creeks and ponds



Water Conservation Programs

- Residential Programs
- Landscape Programs
- Commercial, Industrial, Institutional (CII) Programs
- Agriculture Programs
- Water Waste Inspectors
- Education/Workshops/Resources



Agriculture Programs



- Mobile Irrigation Lab
- Efficient Irrigation Calculators
- Agricultural Baseline Study

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Santa Clara Valley Water District

File No.: 21-0670

Agenda Date: 7/12/2021

Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Review FY2022 Board Work Plan.

RECOMMENDATION:

Review the Board's work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.

SUMMARY:

The attached Work Plan outlines the Board-approved topics for discussion to be able to prepare policy alternatives and implications for Board deliberation.

BACKGROUND:

On January 27, 2021, the Board conducted its annual planning session to refine goals and strategies for areas needing the Board's focus, engagement and monitoring during Fiscal Year 2021-2022 (FY22).

During the strategic planning session, the Board participated in a facilitated discussion and received staff recommendations for the FY22 Board Work Plan goals and strategies. After providing comments and feedback, the Board directed the Board Policy and Planning Committee (BPPC), to review the information collected and develop a draft FY22 Board Work Plan for Board review and approval.

On April 5, 2021, the BPPC met and provided input on the draft FY22 Board Work Plan, and the Board approved their work plan on April 27, 2021.

ATTACHMENTS:

Attachment 1: Board's 2021-2022 Work Plan

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711



FY 2021-22

Board Work Plan

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Message from the Valley Water Board Chair

At the Santa Clara Valley Water District (Valley Water), we manage a complex water resource system that provides clean, safe water, flood protection and stewardship of streams and creeks to nearly 2 million residents and businesses here in Santa Clara County.

As part of our annual strategic planning process, my fellow board members and I have identified specific areas that we will be monitoring closely and engaging as necessary. As noted in our FY22 Board Work Plan, we will focus on new water storage opportunities as well as advancing major water supply facilities such as Anderson Dam and leading efforts in recycled and purified water. Additionally, we will continue to promote water conservation as a way of life in Santa Clara County. We will equitably prioritize funding to protect and maintain our flood protection assets. In all focus areas we will continue to engage the community and not lose sight of our environmental stewardship goals such as a net positive impact on the environment. We will also address impacts of climate change on our work. As policy makers for Valley Water we will engage through board committees and full board discussions to monitor progress in the focus areas highlighted in this plan.

Early 2021 has brought about unprecedented and challenging times for everyone. We want to assure the community that my fellow board members and I remain committed through policymaking to ensuring Valley Water remains a high performing organization.

I look forward to reporting our progress and hope you find this document informative.



Tony Estremera
Board Chair
Santa Clara Valley Water District



Valley Water

Founded in 1929, the Santa Clara Valley Water District (Valley Water) is the primary water resources agency for Santa Clara County, with key water supply, water quality, flood protection, and environmental stewardship responsibilities.

Valley Water Mission

Provide Silicon Valley safe, clean water for a healthy life, environment, and economy.

Values

1. Valley Water is entrusted to serve the public by carrying out its mission for the benefit of the community.
2. Valley Water is committed to providing excellent service to all customers.
3. All individuals are unique and important, and will be treated with fairness, dignity, and respect.
4. Valley Water takes pride in its work and is accountable to carry out its responsibilities safely with honesty and integrity.
5. Initiative, leadership, personal development, and training are vital for continuous improvement.
6. Open communication, cooperation, and teamwork are shared responsibilities and essential to the successful performance of Valley Water work.
7. Valley Water is committed to creating an inclusive work environment, which reflects and supports the diversity of the community and enriches our perspectives.
8. Valley Water strives to support a work culture and workplace environment that attracts and retains superior employees empowered to make decisions about, and take responsibility for, how they do their jobs.
9. Valley Water is committed to its employees and supports market-based competitive compensation that is equitable and rewards accomplishment and encourages high performance.
10. Valley Water is committed to sustaining a healthy work-life balance for its employees and places a high value on all the things that provide enrichment and fulfillment, including work and career, health and fitness, family and relationships, spirituality, community service, hobbies and passions, intellectual stimulation, rest and recreation.

Board of Directors

The Santa Clara Valley Water District Board of Directors (Board) is comprised of seven members, each elected from equally-divided districts. Specific job outputs of the Board include connecting with the community in Santa Clara County, developing policies to further Valley Water’s mission, and monitoring the performance of the organization.

The Board governs with an emphasis on outward vision, encouragement of diversity in viewpoints, strategic leadership more than administrative detail, and proactivity rather than reactivity.

The Board meets twice a month on the second and fourth Tuesday. All meetings are open to the public and may be viewed online.



Left to right: Tony Estremera, District 6; Richard Santos, District 3; John L. Varela, District 1; Gary Kremen, District 7; Barbara Keegan, District 2; Nai Hsueh, District 5; Linda J. LeZotte, District 4

Board Committees

The Board of Directors has established Board Committees to assist in performing its job. Committees meet regularly and are comprised of three members of the Board. Committee meetings are open to the public.

- Agricultural Water Advisory Committee
- Board Audit Committee
- Board Ethics and Conduct Committee
- Board Policy and Planning Committee
- Capital Improvement Program Committee
- Diversity and Inclusion Ad Hoc Committee
- Environmental and Water Resources Committee
- Homeless Encampment Committee
- Joint Water Resources Committee (City of Gilroy, City of Morgan Hill, and Valley Water)
- Joint Recycled Water Committee (City of Sunnyvale and Valley Water)
- Joint Recycled Water Policy Advisory Committee (City of San Jose, City of Santa Clara, and Valley Water)
- Joint Recycled Water Policy Committee (City of Palo Alto, City of East Palo Alto, City of Mountain View and Valley Water)
- Recycled Water Committee
- Redistricting Advisory Committee
- San Felipe Division Reach One Committee
- Santa Clara Valley Water Commission
- Stream Planning Operations Committee
- Water Conservation and Demand Management Committee
- Water Storage Exploratory Committee
- Santa Clara Valley Water District Youth Commission



Purpose of the Board Work Plan

The primary purpose of the Board's FY2021-2022 Work Plan is to communicate with the public, community and stakeholders, the Board's strategic focus for the fiscal year and how it supports Valley Water's mission and long-term goals and objectives.

To perform its job, the Board established long-term goals and objectives (also known as Board Governance Policies – see Appendix A) for each of Valley Water's core business areas (Water Supply, Natural Flood Protection, and Environmental Stewardship). Annually, the Board conducts planning sessions to develop strategies to accomplish the goals and objectives.

As part of their annual strategic planning process, the Board evaluates their goals, strategies, challenges and opportunities and identifies the specific areas requiring engagement and monitoring for the upcoming fiscal year. The Board outlines their focus areas and processes for monitoring progress in the Board Work Plan.

Throughout the year, the Board reviews and provides input and direction on Valley Water's budget, Capital Improvement Program, and other program and master plans, to ensure there is funding and support to enable staff to accomplish Valley Water's mission.

All strategy implementation is monitored by the Board through Executive Limitation requirements (see Appendix A), staff development of programs and plans, assigned Board Committee work, and Board Appointed Officer performance evaluations.



FY 2021-22 Board Goals & Work Plan Strategies



Integrated Water Resources Management

- Protect and maintain existing assets and infrastructure and advance new infrastructure projects.
- Pursue opportunities to improve internal capacity to acquire regulatory permits.
- Engage and educate the community, elected officials and staff on our management of water resources in Santa Clara County.



Water Supply

- Actively Pursue New Water Supply and Storage Opportunities.
- Actively Participate in decisions regarding the CA Delta Conveyance.
- Lead Recycled and Purified Water Efforts with committed partners.
- Advance Anderson Dam Seismic Retrofit Project.
- Promote Making Water Conservation a California Way of Life in Santa Clara County.



Natural Flood Protection

- Plan, design and maintain flood protection projects with multiple benefits, including protecting ecosystem functions and enhancing habitat.
- Provide flood protection equitably in all regions of the County, prioritizing disadvantaged communities.



Environmental Stewardship

- Attain net positive impact on the environment when implementing flood protection and water supply projects.
- Promote the protection of creeks, bay, and other aquatic ecosystems from threats of pollution and degradation.
- Continue the Fisheries and Aquatic Habitat Collaborative Effort (FAHCE).



Business Management

- Advance racial equity, diversity and inclusion.
- Maintain appropriate staffing levels and expertise and ensure the safety of our staff.
- Provide affordable and cost-effective level of services.



Climate Change

- Address future impacts of climate change to Valley Water's mission and operations.



GOAL: INTEGRATED WATER RESOURCES MANAGEMENT

Strategy 1	Protect and maintain existing assets and infrastructure and advance new infrastructure projects.
Challenge/ Opportunity	The development and maintenance of Valley Water's infrastructure is crucial to ensuring we continue to provide safe, clean water and critical flood protection for our communities. Timely maintenance is the most cost-effective investment, whereas deferred maintenance disproportionately increases costs. In addition, aging assets are reaching the end of the design life and will require major recapitalization.
Focus	<ul style="list-style-type: none"> • Be strategic in managing existing flood protection assets consistent with the Safe Clean Water Program. • Advance new infrastructure projects identified in the Asset Management Plan and Operations & Maintenance Plan. • Increase engagement with cities on flood plain management, Community Rating System (CRS) program, and emergency action plans.
Monitoring	Board Planning and Policy Committee
Related Staff Plans	Watersheds & Water Utility Five-year Operations and Maintenance Plans District-wide Asset Management Plan Watershed Asset Management Plan Safe, Clean Water and Natural Flood Protection Program Capital Improvement Program





INTEGRATED WATER RESOURCES MANAGEMENT

Strategy 2	Pursue opportunities to improve internal capacity to acquire regulatory permits.
Challenge/ Opportunity	Valley Water continues to pursue legislative and administrative solutions to resolve regulatory and permitting issues at the federal and state levels. The Board's efforts will continue to focus on improving internal capacity when applying for permits, as well as continuing to build relationships with regulatory agencies and staying abreast of the regulatory environment.
Focus	<ul style="list-style-type: none">• Continue to provide for agency-wide regulatory planning and permitting effort and pursue other efforts at the state and federal level to expedite permit review.• Continue to foster better relationships with regulatory agencies and open dialogue with environmental, environmental justice and other stakeholders.• Implement memorandum of understanding (MOU) with Regional Water Quality Control Board.
Monitoring	Board Policy and Planning Committee
Related Staff Plans	One Water Plan





INTEGRATED WATER RESOURCES MANAGEMENT

Strategy 3	Engage and educate the community, elected officials and staff on our management of water resources in Santa Clara County.
Challenge/ Opportunity	A reliable supply of clean water is necessary for the social, economic, and environmental wellbeing of Santa Clara County. Valley Water must effectively communicate with the public on our management of water resources around several key issues including: the cost of water, the public perception of costs of different types of water, how to effectively implement our water supply strategies into the future, as well as our flood protection and environmental stewardship efforts.
Focus	<ul style="list-style-type: none">• Continue to apply strategies for effective outreach, engagement and education.• Continue to develop and refine metrics to understand and improve the return on investment (ROI) of outreach strategies.• Continue increasing efforts to educate the public about the mix of different types of water in Valley Water's portfolio, as well as our flood protection and environmental stewardship efforts.• Engage directly with local government jurisdictions through joint meetings.
Monitoring	Board of Directors
Related Staff Plans	Water Supply Master Plan Countywide Water Reuse Master Plan





GOAL: WATER SUPPLY

Strategy 1	Actively Pursue New Water Supply and Storage Opportunities.
Challenge/ Opportunity	Water storage capacity is an important tool for Valley Water for capturing lower-value water for higher-value uses later. Such storage aids water supply, flood protection, and recreational uses and helps regulate downstream water quality and supply cold water flows for fish. As such, water storage is important for both human and environmental objectives and must fit within a large and diverse water and environmental portfolio. Challenges include determining the appropriate level of participation for Valley Water and prioritizing sites within funding limitations across all projects.
Focus	<ul style="list-style-type: none"> • Explore opportunities to develop new surface and groundwater storage projects that align with Valley Water’s mission. • Determine level of participation for projects and decisions about partnerships in accordance with the Water Supply Master Plan and water affordability. • Make decisions on the Pacheco Reservoir Expansion Project following review of the project’s Environmental Impact Report (EIR).
Monitoring	Water Storage Exploratory Committee
Related Staff Plans	Water Supply Master Plan





WATER SUPPLY

Strategy 2	Actively Participate in decisions regarding the CA Delta Conveyance.
Challenge/ Opportunity	As much as 40 percent of the water Santa Clara County uses each year comes through the Delta. But the Delta's aging network of earthen levees faces risks from rising seas, earthquakes and flooding, while the declining conditions for fish and wildlife have led regulators to put more restrictions on when water can move through the Delta. Participation in modernizing the delta conveyance is necessary to protect water supply in Santa Clara County and to restore the Delta for fish and wildlife.
Focus	As a voice for Northern California, continue to engage and negotiate, through serving on the Delta Conveyance Design and Construction Authority and Finance Authority and Stakeholder Engagement Committee in adherence to Board approved Guiding Principles, to protect Santa Clara County's interests.
Monitoring	Board of Directors
Related Staff Plans	Water Supply Master Plan





WATER SUPPLY

Strategy 3	Lead Recycled and Purified Water Efforts with committed partners.
Challenge/ Opportunity	Recycled and purified water continue to play a key role in the long-term sustainability of Santa Clara County's water supplies. Identifying and working with the appropriate agencies within the County to negotiate and execute expanding the use of non-potable water and the production and use of advanced purified water is a high priority. Opportunities exist to expand Valley Water's Silicon Valley Advanced Water Purification Facility. However, challenges include resolving previously identified issues of land, securing contractual rights to wastewater, treated wastewater quality and declining flows at treatment plants, and reverse osmosis concentrate management.
Focus	<ul style="list-style-type: none">▪ Advance the Expedited Purified Water Program by releasing a Request for Proposal (RFP) for at least one Locally Sponsored Project.▪ Implement the Countywide Water Reuse Master Plan.▪ Continue to monitor Direct Potable Reuse (DPR) guidance and implement actions as needed.▪ Finalize negotiations on term sheet for South County recycled water and agreement on governance.
Monitoring	Recycled Water Committee
Related Staff Plans	Water Supply Master Plan Countywide Water Reuse Master Plan





WATER SUPPLY

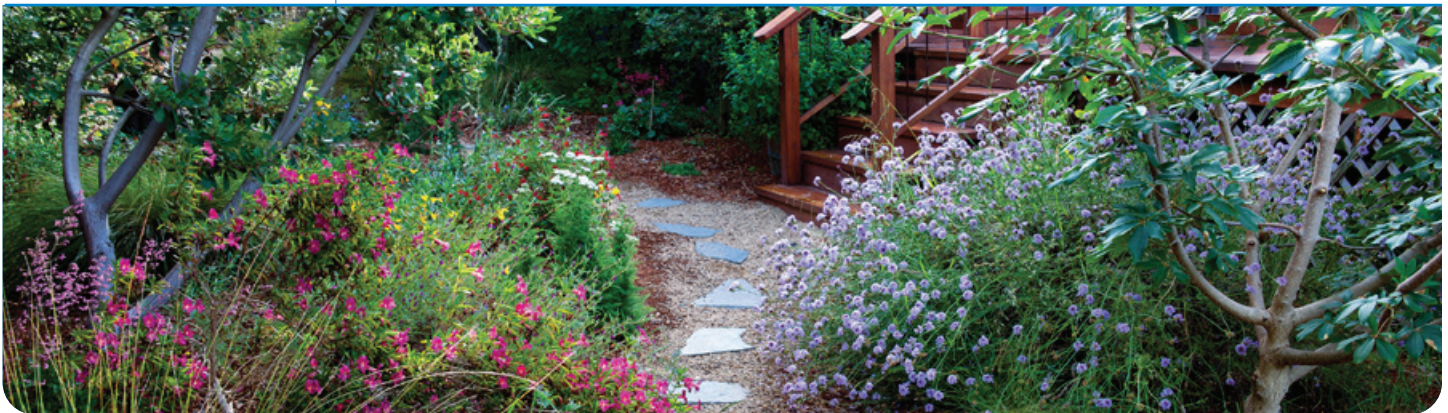
Strategy 4	Advance Anderson Dam Seismic Retrofit Project.
Challenge/ Opportunity	As our largest reservoir, Anderson serves not only as a critical water supply facility, but also supports Valley Water’s mission of flood protection and environmental stewardship. Given the reservoir’s critical importance to ensuring safe, clean water for our communities and to protect public safety, it is imperative that the Anderson Dam Seismic Retrofit Project (ADSRP) move forward proactively.
Focus	<ul style="list-style-type: none">• Continue construction on the Anderson Dam Tunnel Project (ADTP).• Continue to work with appropriate regulatory agencies to advance the ADSRP.• Release for review the Draft Environmental Report for the ADSRP.• Continue to educate and engage the public, key stakeholders, decision makers, and elected officials of the project progress and construction timeline.• Coordinate long term ADSRP operations with the Fisheries and Aquatic Habitat Collaborative Effort (FAHCE).
Monitoring	Capital Improvement Program Committee Stream Planning and Operations Committee
Related Staff Plans	Safe, Clean Water and Natural Flood Protection Program Fish Habitat Restoration Plan Coyote Feasibility Study Water Supply Master Plan Capital Improvement Program





WATER SUPPLY

Strategy 5	Promote Making Water Conservation a California Way of Life in Santa Clara County.
Challenge/ Opportunity	<p>Water conservation is an essential component in providing a reliable water supply and Valley Water has set a water conservation goal for annual water savings of 99,000 acre-feet (AF) by 2030 and 109,000 AF by 2040. Water conservation is amongst the most cost-effective water supply investments over short- and long-term planning horizons. As Valley Water faces challenges from climate change and drought, water conservation will continue to be amongst the most effective tools for short-term behavioral change and long-term water conservation investments within the community. Opportunities exist to leverage resources to provide a consistent level of customer service and program participation commensurate with water supply conditions.</p>
Focus	<ul style="list-style-type: none">▪ Increase communication and education outreach to promote Valley Water's water conservation programs to customers.▪ Increase collaboration with retailers to promote Valley Water's water conservation programs.▪ Implement new water conservation programs and engagement strategies identified within the Water Conservation Strategic Plan.▪ Engage and support private-sector stakeholders, local, state, and federal agencies that promote water conservation.
Monitoring	Water Conservation and Demand Management Committee
Related Staff Plans	Water Conservation Strategic Plan Water Supply Master Plan Safe, Clean Water and Natural Flood Protection Program





GOAL: NATURAL FLOOD PROTECTION

Strategy 1	Plan, design and maintain flood protection projects with multiple benefits, including protecting ecosystem functions and enhancing habitat.
Challenge/ Opportunity	Valley Water has the opportunity, as well as the responsibility, to sustain ecosystem health while managing local water resources for flood protection and water supply. Valley Water must operate its facilities and implement projects by taking a multi-beneficial approach that balances providing a safe, clean water supply, and improving flood protection for the community, while creating a sustainable ecosystem.
Focus	<ul style="list-style-type: none"> • Continue to advance Shoreline EIA 11 levee construction. • Finalize the One Water Coyote Creek Watershed plan and make significant progress on the Guadalupe and Pajaro watershed plans. • Use a holistic approach to maintaining streams for flow conveyance and habitat enhancement. • Complete construction of Phase I of the Upper Llagas Flood Protection Project, a multi-benefit project providing flood protection while restoring habitat and benefiting the environmental ecosystem.
Monitoring	Capital Improvement Program Committee Board Policy and Planning Committee
Related Staff Plans	One Water Plan Safe, Clean Water and Natural Flood Protection Program





NATURAL FLOOD PROTECTION

Strategy 2	Provide flood protection equitably in all regions of the County, prioritizing disadvantaged communities.
Challenge/ Opportunity	As Valley Water continues to advance flood protection projects, the Board has an opportunity to strengthen relationships and improve coordination with conservation and environmental justice groups, as well as other local jurisdictions, with a specific focus on ensuring the voices of disadvantaged communities are equitably represented.
Focus	<ul style="list-style-type: none">• Advance One Water Countywide Framework in a comprehensive manner that includes diverse community-wide stakeholders and the incorporation of environmental justice policies in all planning efforts.• Continue progress on flood protection capital projects consistent with Valley Water's commitment to the Safe, Clean Water Program and equitably in all regions.
Monitoring	Capital Improvement Program Committee Board Policy and Planning Committee
Related Staff Plans	One Water Plan Safe, Clean Water and Natural Flood Protection Program





GOAL: ENVIRONMENTAL STEWARDSHIP

Strategy 1	Attain net positive impact on the environment when implementing flood protection and water supply projects.
Challenge/ Opportunity	Valley Water’s projects and programs encourage integrated planning to ensure capital improvements, operations, and maintenance activities are balanced with environmental stewardship goals. Valley Water strives to protect and restore habitats to support native species throughout Santa Clara County.
Focus	<ul style="list-style-type: none"> ▪ As part of the One Water Countywide Framework planning process, continue to develop an integrated water resource plan for each watershed, including appropriate metrics to monitor Valley Water’s impacts on and benefit to the environment. ▪ Ensure that stewardship efforts are integrated and not focused primarily on mitigation.
Monitoring	Board Policy and Planning Committee
Related Staff Plans	One Water Plan Climate Change Action Plan





ENVIRONMENTAL STEWARDSHIP

Strategy 2	Promote the protection of creeks, bay, and other aquatic ecosystems from threats of pollution and degradation.
Challenge/ Opportunity	Valley Water continues to coordinate with local cities and agencies to improve the health of our local waterways, including pollution prevention and addressing threats to water quality. Opportunities exist to further collaborate with the county, cities and social services agencies on encampment abatement efforts and to develop long-term solutions for the homeless to keep our creeks clean.
Focus	<ul style="list-style-type: none"> ▪ Continue efforts to protect the ecosystem and water quality of our water bodies and the integrity of our infrastructure. Such efforts include preventing stormwater pollution, increased implementation of green stormwater infrastructure, addressing mercury pollution, and homeless encampment clean ups. ▪ Continue partnerships and investments on a regional scale such as the South Bay Salt Pond Restoration and Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP).
Monitoring	Homeless Encampment Committee Stream Planning and Operations Committee
Related Staff Plans	One Water Plan Santa Clara Valley Urban Runoff Pollution Prevention Program Stormwater Resource Plan Safe, Clean Water and Natural Flood Protection Program





ENVIRONMENTAL STEWARDSHIP

Strategy 3	Continue the Fisheries and Aquatic Habitat Collaborative Effort (FAHCE).
Challenge/ Opportunity	For nearly 20 years, Valley Water has been working to resolve a water rights complaint surrounding fish, wildlife, water quality, and other beneficial uses in Coyote Creek, the Guadalupe River, and Stevens Creek. Challenges include obtaining federal and state permits from multiple regulatory agencies, refining and processing water rights change petitions, the technical complexity of the fisheries impacts analysis, and managing stakeholder expectations.
Focus	<ul style="list-style-type: none"> • Continue implementation of feasibility studies, monitoring activities, and planning and construction of various fish passage improvements. • Advance the Guadalupe River and Stevens Creek Environmental Impact Report (EIR) consistent with all stakeholder agreements. • Develop a programmatic approach to implementing FAHCE settlement. • Advance Adaptive Management Plan to encompass all three creeks.
Monitoring	Stream Planning and Operations Committee
Related Staff Plans	Fish Habitat Restoration Plan One Water Plan Coyote Feasibility Study





GOAL: BUSINESS MANAGEMENT

Strategy 1	Advance racial equity, diversity and inclusion.
Challenge/ Opportunity	Valley Water is committed to providing a work environment that is diverse, inclusive, free of discrimination and harassment, and that provides equal opportunity employment. In addition, Valley Water aims to implement the same values around racial equity, diversity and inclusion in the community through its flood protection, water supply, and environmental stewardship projects.
Focus	<ul style="list-style-type: none"> ▪ Begin implementation of best practices to address internal and external disparities and build an organizational culture consistent with the Board's Resolution addressing racial equity, diversity and inclusion. ▪ Remain committed to environmental justice and the fair treatment and meaningful engagement of all people regardless of race, color, gender identity, disability status, national origin, tribe, culture, income, immigration status, or English language proficiency, with respect to the planning, projects, policies, services and operations of Valley Water.
Monitoring	Diversity & Inclusion Ad Hoc Committee
Related Staff Plans	Racial Equity, Diversity & Inclusion Master Plan (under development)





BUSINESS MANAGEMENT

Strategy 2	Maintain appropriate staffing levels and expertise and ensure the safety of our staff.
Challenge/ Opportunity	The Board recognizes that Valley Water’s workforce is the critical component to accomplishing its mission and all the goals and strategies in this work plan. As such, the Board remains committed to supporting the recruitment of capable employees with knowledge and subject matter expertise, investing in staff training to meet changing skills and capacity needs, and establishing the necessary policies and guidance that ensure employee safety.
Focus	<ul style="list-style-type: none"> • Develop and finalize a long-term staffing strategy that aligns with future capital and operational needs. • Develop classification career ladders to provide understanding of requirements for professional growth. • Advance the development of a skilled trades apprenticeship program. • Maximize the safety of staff working in creeks, homeless encampments and Valley Water facilities, and continue to promote health & safety guidance to protect staff from public health emergencies and environmental impacts.
Monitoring	Diversity & Inclusion Ad Hoc Committee
Related Staff Plans	Long-term Staffing Master Plan (under development)





BUSINESS MANAGEMENT

Strategy 3	Provide affordable and cost-effective level of services.
Challenge/ Opportunity	<p>The Board understands that it needs to regularly evaluate the financial status of the organization to ensure the level of services provided are reasonable and cost effective. As such, continued research is necessary to pursue feasible revenue sources allowed by the District Act in order to deliver affordable and effective services while controlling expectations with regard to what Valley Water can achieve and what it can afford to do. In addition, the affordability of water continues to be a major issue faced by communities across the nation, particularly disadvantaged communities. The Board has an opportunity to raise issues around water affordability at local and statewide levels and advocate for changes that benefit disadvantaged communities.</p>
Focus	<ul style="list-style-type: none">• Continue to establish benchmarking with other agencies, particularly water agencies, in order to understand areas for improvement.• Research and identify best practices from other agencies around water affordability, particularly with disadvantaged communities.• Establish Valley Water as a statewide leader in conversations around water affordability.
Monitoring	<p>Financial Sustainability Working Group Board Audit Committee</p>
Related Staff Plans	<p>Operating and Capital Budget Board and Management Audit Reports</p>





GOAL: CLIMATE CHANGE

Strategy 1	Address future impacts of climate change to Valley Water's mission and operations.
Challenge/ Opportunity	Valley Water's ability to fulfill its missions may be challenged in the future by the potential of warmer temperatures, changing weather patterns, reduced snowpack and rising sea levels. Valley Water has been working on greenhouse reduction efforts since 2008, but seeks to do more to understand, mitigate and adapt to the future impacts of climate change.
Focus	Begin implementation of Climate Change Action Plan.
Monitoring	Board Policy and Planning Committee
Related Staff Plans	Climate Change Action Plan



Appendix A

Board Governance Policies/Long-Term Goals and Objectives

The Board has adopted **Board Governance Policies** which describe how the board conducts its business, what they have directed the Board Appointed Officers (BAO) to accomplish, and constraints on the BAOs that establish prudent and ethical boundaries within which all activity and decisions must take place.

A full list of the Board Governance Policies can be found here: <https://www.valleywater.org/how-we-operate/board-governance-policies>

Ends Policies, also referred to as **Long Term Goals and Objectives**, provide direction to the BAOs to accomplish Valley Water's mission.

Long Term Goals and Objectives



Water Supply Long-Term Goals

Goal 1: Current and future water supply for municipalities, industries, agriculture, and the environment is reliable.

Objectives

- a. Aggressively protect groundwater from the threat of contamination and maintain and develop groundwater to optimize reliability and to minimize land subsidence and salt water intrusion.
- b. Protect, maintain and develop local surface water.
- c. Protect, maintain, and develop imported water.
- d. Protect, maintain, and develop recycled water.
- e. Maximize water use efficiency, water conservation, and demand management opportunities.
- f. Prepare for and respond effectively to water utility emergencies.

Goal 2: Raw water transmission and distribution assets are managed to ensure efficiency and reliability.

Objective

- a. Raw water transmission and distribution assets are managed to ensure efficiency and reliability.

Long Term Goals and Objectives *Continued*

Goal 3: Reliable high quality drinking water is delivered.

Objectives

- a. Meet or exceed all applicable water quality regulatory standards.
- b. Maintain effective relationships with the retailer and other stakeholders to ensure high quality, reliable drinking water.



Natural Flood Protection Long-Term Goals and Objectives

Goal 1: Provide natural flood protection for residents, businesses, and visitors.

Objectives

- a. Protect parcels from flooding by applying an integrated watershed management approach that balances environmental quality and protection from flooding.
- b. Preserve flood conveyance capacity and structural integrity of stream banks, while minimizing impacts on the environment and protecting habitat values.

Goal 2: Reduce potential for flood damages.

Objectives

- a. Promote the preservation of flood plain functions.
- b. Reduce flood risks through public engagement.
- c. Prepare and respond effectively to flood emergencies countywide to protect life and property.



Environmental Stewardship Long-Term Goals and Objectives

Goal 1: Protect and restore creek, bay, and other aquatic ecosystems.

Objectives

- a. Preserve creeks, bay, and ecosystems through environmental stewardship.
- b. Improve watersheds, streams, and natural resources.
- c. Promote the protection of creeks, bay, and other aquatic ecosystems from threats of pollution and degradation.
- d. Engage and educate the community in the protection of water quality and stream stewardship.
- e. Prepare and respond to emergencies that threaten local waterways.
- f. To the extent within practicable control of the District, adopt a strategy to restore the salmonid fishery on identified salmonid streams within 15 years of strategy adoption by creating suitable accessible spawning and rearing habitats.

Long Term Goals and Objectives *Continued*

Goal 2: Improved quality of life in Santa Clara County through appropriate public access to trails, open space, and District facilities.

Objectives

- a. Support healthy communities by providing access to additional trails, parks, and open space along creeks and in the watersheds.
- b. Support healthy communities by providing appropriate public access to District facilities.

Goal 3: Strive for zero net greenhouse gas emission or carbon neutrality.

Objective

- a. Reduce greenhouse gas emissions to achieve carbon neutrality by 2020

Business Management



Executive Limitations (EL), provide boundaries to the CEO and BAOs in which all executive activity and decisions must take place. Executive Limitations have been established in the following areas:

EL-1 General Principles

EL-2 Customer Relations

EL-3 Human Resources

EL-4 Financial Management

EL-5 Procurement

EL-6 Asset Protection

EL-7 Communication and Support to the Board

EL-8 Inclusion, Equal Employment Opportunity, Discrimination/Harassment Prevention, and Diversity

Appendix B

Staff Program Plans and Master Plans

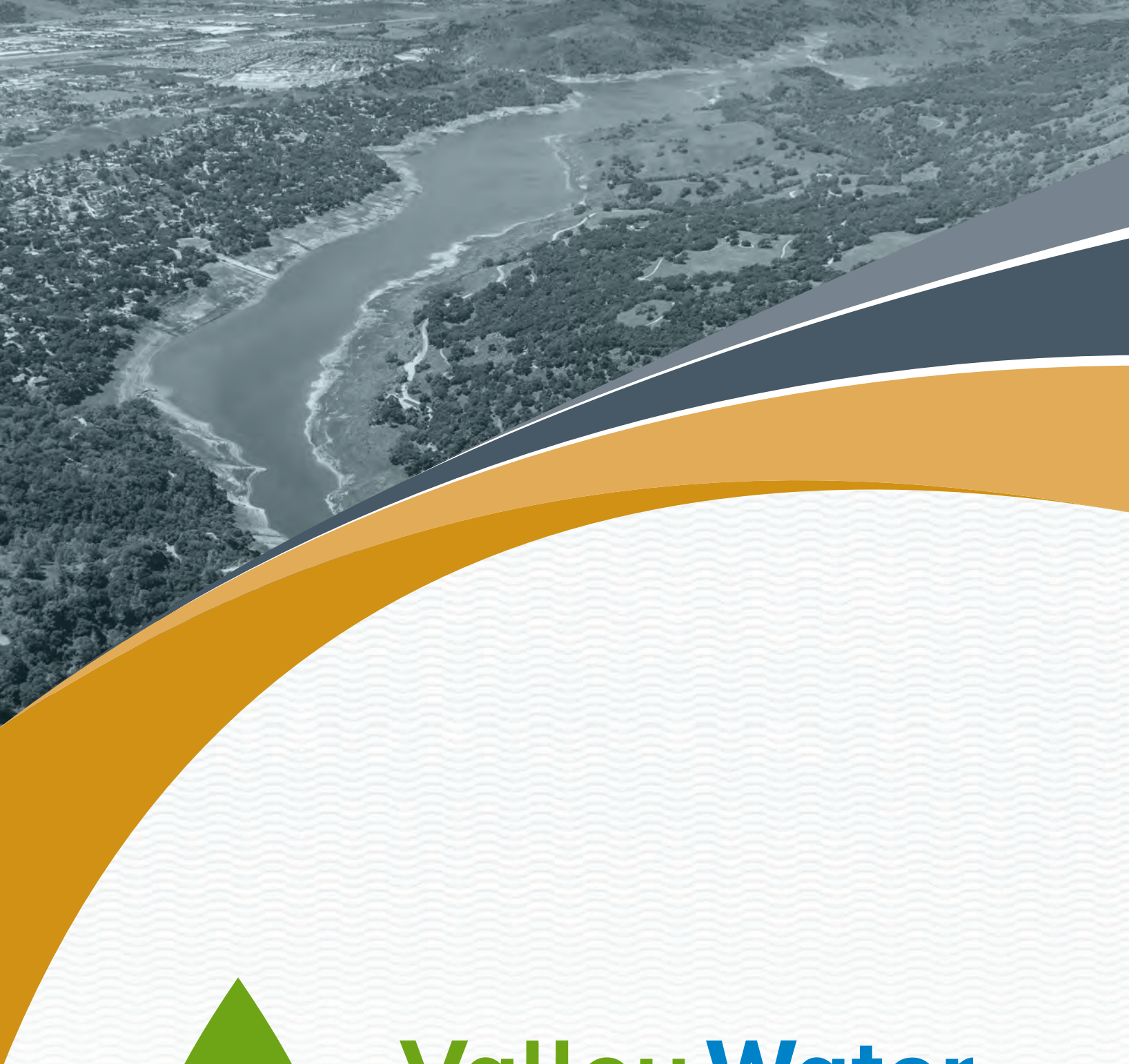
Program plans and master plans are developed by staff to achieve the Board's long-term goals and objectives in relation to Valley Water's mission and overall business management.

Below is a list of program and master plans that have been referenced in the Board Work Plan. Other plans not listed below can be obtained by contacting the Office of the Clerk of the Board at (408) 630-2277.

- Capital Improvement Program
<https://www.valleywater.org/how-we-operate/five-year-capital-improvement-program>
- Climate Change Action Plan
<https://www.valleywater.org/your-water/water-supply-planning/climate-change-action-plan>
- Countywide Water Reuse Master Plan
<https://www.valleywater.org/your-water/recycled-and-purified-water>
- Management and Board Audit Reports
<https://www.valleywater.org/board-audit-committee-audit-reports>
- One Water Plan
<https://www.valleywater.org/your-water/one-water-plan>
- Operating and Capital Budget
<https://www.valleywater.org/how-we-operate/financebudget>
- Racial Equity, Diversity and Inclusion Master Plan
<https://www.valleywater.org/how-we-operate/about-the-water-district/diversity-and-inclusion-program>
- Safe, Clean Water and Natural Flood Protection Program
<https://www.valleywater.org/safecleanwater>
- Santa Clara Valley Urban Runoff Pollution Prevention Program
<https://scvurppp.org/>
- Stormwater Resource Plan
<https://scvurppp.org/swrp/docs-maps/>
- Water Supply Master Plan
<https://www.valleywater.org/your-water/water-supply-planning/water-supply-master-plan>

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Valley Water

Clean Water • Healthy Environment • Flood Protection

Santa Clara Valley Water District
5750 Almaden Expressway, San José, CA 95118-3686
Phone: (408) 265-2600 Fax: (408) 266-0271
www.valleywater.org



Santa Clara Valley Water District

File No.: 21-0671

Agenda Date: 7/12/2021

Item No.: 4.3.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Review Agricultural Water Advisory Committee Work Plan, the Outcomes of Board Action of Committee Requests; and the Committee's Next Meeting Agenda.

RECOMMENDATION:

Review the Committee work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.

SUMMARY:

The attached Work Plan outlines the topics for discussion to be able to prepare policy alternatives and implications for Board deliberation. The work plan is agendaized at each meeting as accomplishments are updated and to review any work plan assignments by the Board.

BACKGROUND:

Governance Process Policy-8:

The District Act provides for the creation of advisory boards, committees, or commissions by resolution to serve at the pleasure of the Board.

Accordingly, the Board has established Advisory Committees, which bring respective expertise and community interest, to advise the Board, when requested, in a capacity as defined: prepare Board policy alternatives and provide comment on activities in the implementation of the District's mission for Board consideration. In keeping with the Board's broader focus, Advisory Committees will not direct the implementation of District programs and projects, other than to receive information and provide comment.

Further, in accordance with Governance Process Policy-3, when requested by the Board, the Advisory Committees may help the Board produce the link between the District and the public through information sharing to the communities they represent.

ATTACHMENTS:

Attachment 1: Agricultural Water Advisory Committee 2021 Work Plan

UNCLASSIFIED MANAGER:

File No.: 21-0671

Agenda Date: 7/12/2021
Item No.: 4.3.

Michele King, 408-630-2711

2021 Work Plan: Agricultural Water Advisory Committee

Update: June 2021

The annual work plan establishes a framework for committee discussion and action during the annual meeting schedule. The committee work plan is a dynamic document, subject to change as external and internal issues impacting the District occur and are recommended for committee discussion. Subsequently, an annual committee accomplishments report is developed based on the work plan and presented to the District Board of Directors.

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
1	Election of Chair and Vice Chair for 2021	January 4	<ul style="list-style-type: none"> Committee Elects Chair and Vice Chair for 2021 (Action) 	Accomplished January 4, 2021: The Committee elected Mr. David Vanni as Chair and Mr. Jan Garrod as Vice Chair.
2	Annual Accomplishments Report	January 4	<ul style="list-style-type: none"> Review and approve 2020 Accomplishments Report for presentation to the Board. (Action) Submit requests to the Board, as appropriate. 	Accomplished January 4, 2021: The Committee approved the Agricultural Water Advisory Committee's 2020 Accomplishments Report. Due to COVID 19, the Committee was limited in fully engaging in 2020.
3	Review of Agricultural Water Advisory Committee Work Plan, the Outcomes of Board Action of Committee Requests and the Committee's Next Meeting Agenda	January 4 April 5 July 12 October 4	<ul style="list-style-type: none"> Receive and review the 2021 Board-approved Committee work plan. (Action) Submit requests to the Board, as appropriate. 	Accomplished January 4, 2021: The Committee reviewed the 2020 Work Plan and took no action. Accomplished April 5, 2021: The Committee reviewed the 2021 Work Plan and took no action.

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1

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2021 Work Plan: Agricultural Water Advisory Committee

Update: June 2021

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
4	Standing Items Reports Fiscal Year 2021:	January 4 April 5	<ul style="list-style-type: none">Receive quarterly reports on standing items. (Information)	Accomplished January 4, 2021: The Committee reviewed the quarterly reports and took no action. Accomplished April 5, 2021: The Committee reviewed the quarterly reports and took no action.
WATER SUPPLY:				
Board Strategy 1	Actively Pursue Efforts to Increase Water Storage Opportunities. <i>(Assigned to Water Storage Exploratory Committee)</i>			
Board Strategy 2	Actively Participate in Decisions Regarding the California Delta Conveyance. <i>(Assigned to California Delta Conveyance Working Group)</i>			
Board Strategy 3	Lead Recycled and Purified Water Efforts with the City of San Jose and Other Agencies. <i>(Assigned to Recycled Water Committee)</i>			
Board Strategy 4	Engage and educate the community, elected officials and staff on future water supply strategies in Santa Clara County. <i>(Assigned to Water Conservation and Demand Management Committee)</i>			
Board Strategy 5	Advance Anderson Dam Seismic Retrofit Project. <i>(Assigned to Capital Improvement Program Committee)</i>			
NATURAL FLOOD PROTECTION:				
Board Strategy 1	Protect and maintain existing assets and infrastructure. <i>(Assigned to Board Policy and Planning Committee)</i>			
Board Strategy 2	Pursue opportunities to improve internal capacity to acquire regulatory permits. <i>(Assigned to Board Policy and Planning Committee)</i>			
ENVIRONMENTAL STEWARDSHIP:				
Board Strategy 1	Attain net positive impact on the environment when implementing flood protection and water supply projects. <i>(Assigned to Board Policy and Planning Committee)</i>			
Board Strategy 2	Promote the protection of creeks, bay, and other aquatic ecosystems from threats of pollution and degradation (Homeless encampment strategies assigned to Homeless Encampment Committee)			
Board Strategy 3	Continue the Fisheries and Aquatic Habitat Collaborative Effort. <i>(Assigned FAHCE Committee)</i>			

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2021 Work Plan: Agricultural Water Advisory Committee

Update: June 2021

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
BUSINESS MANAGEMENT:				
Board Strategy 1	Advance Diversity and Inclusion. (Assigned to Diversity and Inclusion Ad Hoc Committee and the Full Board)			
Board Strategy 2	Maintain Appropriate Staffing Levels and Expertise (Assigned to Diversity and Inclusion Ad Hoc Committee and the Full Board)			
Board Strategy 3	Provide Affordable and Cost-Effective Level of Services (Assigned to Financial Sustainability Group)			
CLIMATE CHANGE:				
Board Strategy 1	Address Future Impacts of Climate Change to Valley Water’s Mission and Operations. ((Assigned to Board Policy and Planning Committee and the Full Board)			
5	Review and Comment to the Board on the Fiscal Year 2021 - 2022 Preliminary Groundwater Production Charges.	January 4	<ul style="list-style-type: none">Review and comment to the Board on the Fiscal Year 2022 Preliminary Groundwater Production Charges. (Action)	Accomplished January 4, 2021: The Committee reviewed the Fiscal Year 2022 Preliminary Groundwater Production Charges and took no action.
6	Agricultural Water Use Baseline Study	January 4	Receive information on the Agricultural Water Use Baseline Study. (Information)	Accomplished January 4, 2021: The Committee received information on the Agricultural Water Use Baseline Study and took no action.
7	Collaboration with UC Water on flood Managed Aquifer Recharge	January 4	<ul style="list-style-type: none">Receive information on the Collaboration with UC Water on flood Managed Aquifer Recharge. (Information)	Accomplished January 4, 2021: The Committee received information on the Collaboration with UC Water on flood Managed Aquifer Recharge and took no action.

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2021 Work Plan: Agricultural Water Advisory Committee

Update: June 2021

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
8	Update on Measure S and Consideration of Open Space Credit.	January 4	Received an update on Measure S and consideration of Open Space Credit. (Action)	Accomplished January 4, 2021: The Committee Received an update on Measure S and consideration of Open Space Credit and took the following action: The Committee approved Staff's recommendation to have the Board consider continuing the Open Space Credit. <i>Board gave staff some direction during the 1/12/2021 Board meeting. The Board provided direction to keep the 25% for the distribution of the PAWS report and during the review and public input process.</i>
9	Update on Valley Water's Creation of New Office of Racial Equity, Diversity & Inclusion and Board Adoption of a Resolution Addressing Systemic Racism and Promoting Equity.	January 4	Receive update on Valley Water's Creation of New Office of Racial Equity, Diversity & Inclusion and Board Adoption of a Resolution Addressing Systemic Racism and Promoting Equity. (Information)	Accomplished January 4, 2021: The Committee received update on Valley Water's Creation of New Office of Racial Equity, Diversity & Inclusion and Board Adoption of a Resolution Addressing Systemic Racism and Promoting Equity and took no action.
10	Review and Comment to the Board on the Fiscal Year 2021 – 2022 Proposed Groundwater Production Charges.	April 5	<ul style="list-style-type: none"> Review and comment to the Board on the Fiscal Year 2022 Proposed Groundwater Production Charges. (Action) 	Accomplished April 5, 2021: The Committee reviewed and commented to the board on the Fiscal Year 2022 Proposed Groundwater Production Charges and took the following action: The Committee voted unanimously to support the Santa Clara County Farm Bureau's April 5, 2021, Letter with the main requests being:

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2021 Work Plan: Agricultural Water Advisory Committee

Update: June 2021

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
				<p>1). Valley Water freeze ag groundwater rates for the next 15 years, and 2). Valley Water work affirmatively and actively with farmers going forward to increase the aquifer recharge done on farmlands over and above what farmlands have done routinely in years past.</p> <p>On May 11, 2021, the Board gave staff direction on the groundwater production charges.</p>
11	Stormwater Capture Report	April 5	<ul style="list-style-type: none"> Receive information on Stormwater capture requirements. (Information) 	<p>Accomplished April 5, 2021: The Committee received information on Stormwater capture requirements and took no action.</p>
12	Standing Items Report Fiscal Year 2022 Goals and Strategies:	July 12 October 4	<ul style="list-style-type: none"> Receive quarterly reports on standing items, FY22. (Information) 	

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2021 Work Plan: Agricultural Water Advisory Committee

Update: June 2021

GOAL	STRATEGY	FY22 FOCUS AREAS	MONITORING COMMITTEE
INTEGRATED WATER RESOURCES MANAGEMENT	<i>Strategy #1</i> Protect and maintain existing assets and infrastructure and advance new infrastructure projects.	<ul style="list-style-type: none"> Be strategic in managing existing flood protection assets consistent with the Safe Clean Water Program. Advance new infrastructure projects identified in the Asset Management Plan and Operations & Maintenance Plan. Increase engagement with cities on flood plain management, Community Rating System (CRS) program, and emergency action plans. 	Board Policy and Planning Committee (BPPC)
	<i>Strategy #2</i> Pursue opportunities to improve internal capacity to acquire regulatory permits.	<ul style="list-style-type: none"> Continue to provide for agency-wide regulatory planning and permitting effort and pursue other efforts at the state and federal level to expedite permit review. Continue to foster better relationships with regulatory agencies and open dialogue with environmental, environmental justice and other stakeholders. Implement memorandum of understanding (MOU) with Regional Water Quality Control Board. 	BPPC
	<i>Strategy #3</i> Engage and educate the community, elected officials and staff on our management of water resources in Santa Clara County	<ul style="list-style-type: none"> Continue to apply strategies for effective outreach, engagement, and education. Continue to develop and refine metrics to understand and improve the return on investment (ROI) of outreach strategies. Continue increasing efforts to educate the public about the mix of different types of water in Valley Water's portfolio, as well as our flood protection and environmental stewardship efforts. Engage directly with local government jurisdictions through joint meetings. 	Board of Directors

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2021 Work Plan: Agricultural Water Advisory Committee

Update: June 2021

OAL	STRATEGY	FY22 FOCUS AREAS	MONITORING COMMITTEE
WATER SUPPLY	Strategy #1 Actively Pursue New Water Supply and Storage Opportunities.	<ul style="list-style-type: none"> Explore opportunities to develop new surface and groundwater storage projects that align with Valley Water's mission. Determine level of participation for projects and decisions about partnerships in accordance with the Water Supply Master Plan and water affordability. Make decisions on the Pacheco Reservoir Expansion Project following review of the project's Environmental Impact Report (EIR). 	Water Storage Exploratory Committee (WSEC)
	Strategy #2 Actively Participate in decisions regarding the CA Delta Conveyance.	<ul style="list-style-type: none"> As a voice for Northern California, continue to engage and negotiate, through serving on the Delta Conveyance Design and Construction Authority and Finance Authority and Stakeholder Engagement Committee in adherence to Board approved Guiding Principles, to protect Santa Clara County's interests. 	Board of Directors
	Strategy #3 Lead Recycled and Purified Water Efforts with committed partners.	<ul style="list-style-type: none"> Advance the Expedited Purified Water Program by releasing a Request for Proposal (RFP) for at least one Locally Sponsored Project. Implement the Countywide Water Reuse Master Plan. Continue to monitor Direct Potable Reuse (DPR) guidance and implement actions as needed. Finalize negotiations on term sheet for South County recycled water and agreement on governance. 	Recycled Water Committee (RWC)
	Strategy #4 Advance Anderson Dam Seismic Retrofit Project.	<ul style="list-style-type: none"> Continue construction on the Anderson Dam Tunnel Project (ADTP). Continue to work with appropriate regulatory agencies to advance the ADSRP. Release for review the Draft Environmental Report for the ADSRP. Continue to educate and engage the public, key stakeholders, decision makers, and elected officials of the project progress and construction timeline. Coordinate long term ADSRP operations with the Fisheries and Aquatic Habitat Collaborative Effort (FAHCE). 	Capital Improvement Program (CIP) Stream Planning and Operations Committee (SPOC)
	Strategy #5 Promote Making Water Conservation a California Way of Life in Santa Clara County.	<ul style="list-style-type: none"> Increase communication and education outreach to promote Valley Water's water conservation programs to customers. Increase collaboration with retailers to promote Valley Water's water conservation programs. Implement new water conservation programs and engagement strategies identified within the Water Conservation Strategic Plan. Engage and support private-sector stakeholders, local, state, and federal agencies that promote water conservation. 	Water Conservation and Demand Management Committee (WCaDMC)

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2021 Work Plan: Agricultural Water Advisory Committee

Update: June 2021

GOAL	STRATEGY	FY22 FOCUS AREAS	MONITORING COMMITTEE
NATURAL FLOOD PROTECTION	Strategy #1 Plan, design and maintain flood protection projects with multiple benefits, including protecting ecosystem functions and enhancing habitat.	<ul style="list-style-type: none"> Continue to advance Shoreline EIA 11 levee construction. Finalize the One Water Coyote Creek Watershed plan and make significant progress on the Guadalupe and Pajaro watershed plans. Use a holistic approach to maintaining streams for flow conveyance and habitat enhancement. Complete construction of Phase I of the Upper Llagas Flood Protection Project, a multi-benefit project providing flood protection while restoring habitat and benefiting the environmental ecosystem. 	CIP BPPC
	Strategy #2 Provide flood protection equitably in all regions of the County, prioritizing disadvantaged communities.	<ul style="list-style-type: none"> Advance One Water Countywide Framework in a comprehensive manner that includes diverse community-wide stakeholders and the incorporation of environmental justice policies in all planning efforts. Continue progress on flood protection capital projects consistent with Valley Water's commitment to the Safe, Clean Water Program and equitably in all regions. 	CIP BPPC

GOAL	STRATEGY	FY22 FOCUS AREAS	MONITORING COMMITTEE
ENVIRONMENTAL STEWARDSHIP	Strategy #1 Attain net positive impact on the environment when implementing flood protection and water supply projects.	<ul style="list-style-type: none"> As part of the One Water Countywide Framework planning process, continue to develop an integrated water resource plan for each watershed, including appropriate metrics to monitor Valley Water's impacts on and benefit to the environment. Ensure that stewardship efforts are integrated and not focused primarily on mitigation. 	BPPC
	Strategy #2 Promote the protection of creeks, bay, and other aquatic ecosystems from threats of pollution and degradation.	<ul style="list-style-type: none"> Continue efforts to protect the ecosystem and water quality of our water bodies and the integrity of our infrastructure. Such efforts include preventing stormwater pollution, increased implementation of green stormwater infrastructure, addressing mercury pollution, and homeless encampment clean ups. Continue partnerships and investments on a regional scale such as the South Bay Salt Pond Restoration and Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP). 	Homeless Encampment Committee (HEC) SPOC
	Strategy #3 Continue the Fisheries and Aquatic Habitat Collaborative Effort (FAHCE).	<ul style="list-style-type: none"> Continue implementation of feasibility studies, monitoring activities, and planning and construction of various fish passage improvements. Advance the Guadalupe River and Stevens Creek Environmental Impact Report (EIR) consistent with all stakeholder agreements. Develop a programmatic approach to implementing FAHCE settlement. Advance Adaptive Management Plan to encompass all three creeks. 	SPOC

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2021 Work Plan: Agricultural Water Advisory Committee

Update: June 2021

GOAL	STRATEGY	FY22 FOCUS AREAS	MONITORING COMMITTEE
BUSINESS MANAGEMENT	Strategy #1 Advance racial equity, diversity, and inclusion.	<ul style="list-style-type: none"> Begin implementation of best practices to address internal and external disparities and build an organizational culture consistent with the Board's Resolution addressing racial equity, diversity, and inclusion. Remain committed to environmental justice and the fair treatment and meaningful engagement of all people regardless of race, color, gender identity, disability status, national origin, tribe, culture, income, immigration status, or English language proficiency, with respect to the planning, projects, policies, services, and operations of Valley Water. 	Diversity and Inclusion Ad Hoc Committee (D&I)
	Strategy #2 Maintain appropriate staffing levels and expertise and ensure the safety of our staff.	<ul style="list-style-type: none"> Develop and finalize a long-term staffing strategy that aligns with future capital and operational needs. Develop classification career ladders to provide understanding of requirements for professional growth. Advance the development of a skilled trades apprenticeship program. Maximize the safety of staff working in creeks, homeless encampments and Valley Water facilities and continue to promote health & safety guidance to protect staff from public health emergencies and environmental impacts. 	D&I
	Strategy #3 Provide affordable and cost- effective level of services.	<ul style="list-style-type: none"> Continue to establish benchmarking with other agencies, particularly water agencies, in order to understand areas for improvement. Research and identify best practices from other agencies around water affordability, particularly with disadvantaged communities. Establish Valley Water as a statewide leader in conversations around water affordability. 	Financial Sustainability Working Group (FSWG) Board Audit Committee (BAC)
GOAL	STRATEGY	FY22 FOCUS AREAS	MONITORING COMMITTEE
CLIMATE CHANGE	Strategy #1 Address future impacts of climate change to Valley Water's mission and operations.	Begin implementation of Climate Change Action Plan.	BPPC

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Santa Clara Valley Water District

File No.: 21-0672

Agenda Date: 7/12/2021

Item No.: 5.1.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Standing Items Report.

RECOMMENDATION:

Standing Items Reports

This item allows the Agricultural Water Advisory Committee to receive verbal or written updates and discuss the Board's Fiscal Year 2021 Work Plan Strategies. These items are generally informational; however, the Committee may request additional information and/or provide collective input to the assigned Board Committee.

SUMMARY:

The Agricultural Water Advisory Committee was established to assist the Board with policy review and development, provide comment on activities in the implementation of the District mission, and to identify Board-related issues.

On August 2020, the Board of Directors approved aligning the Board Advisory Committees' agendas and work plans with the Board's yearly work plan.

The new agenda format will allow regular reports on the Board's priorities from the Board's committees and/or Board committee representative and identify subjects where the committees could provide advice to the Board on pre-identified subjects in a timely manner to meet the Board's schedule and distribute information/reports that may be of interest to committee members.

ATTACHMENTS:

Attachment 1: Standing Items Report.

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711

FY2020-2021 BOARD WORK PLAN – STANDING ITEMS REPORT
June 2021 Update

GOAL: WATER SUPPLY	
Strategy 1:	Actively Pursue New Water Storage Opportunities
Focus:	<ul style="list-style-type: none"> Explore opportunities to develop new surface and groundwater storage projects that align with Valley Water's mission. Additionally, seek water exchange and transfer opportunities. Determine level of participation for projects and decisions about partnerships.
Update:	<ul style="list-style-type: none"> Valley Water held a Special Board Meeting on April 14, 2021, to receive information on the Pacheco Reservoir Expansion Project, including funding and external issues that could have financial, project implementation and schedule implications on the project. The Board indicated they would like to see partner participation levels set at 35% of the total project cost and expressed an interest in continuing to fully assess project feasibility. In April 2021, the U.S. Environmental Protection Agency invited Valley Water to submit a loan application for funding under the Water Infrastructure Finance and Innovation Act (WIFIA) for the proposed expansion of Pacheco Reservoir in Santa Clara County. A long-term, low-cost supplemental WIFIA loan would result in significant financing cost savings for the Pacheco Reservoir Expansion Project and lessen the potential impacts to water rates.
Strategy 2:	Actively participate in decisions regarding the California Delta Conveyance
Focus:	<ul style="list-style-type: none"> As a voice for Northern California, continue to engage, negotiate, and increase public education of the project through serving on the Delta Conveyance Design and Construction Authority and Finance Authority and Stakeholder Engagement Committee in adherence to Board approved Guiding Principles, to protect Santa Clara County's interests.
Update:	<ul style="list-style-type: none"> The CA Department of Water Resources held community workshops in April and May 2021 to solicit input on a Community Benefits Program for the Delta Conveyance Project. Valley Water continues to participate in Delta Conveyance Design and Construction (DCA) and Delta conveyance Finance Authority (DCFA) Board Meetings.
Strategy 3:	Lead Recycled and Purified Water Efforts with committed partners.
Focus:	<ul style="list-style-type: none"> Develop a portfolio of advanced purified water and secure treated wastewater as identified in the Water Supply Master Plan. Elevate discussion with San Jose from staff to elected official level and include City of Santa Clara and other wastewater agencies in order to reach a decision point on a project by mid-September 2020. Present a water reuse roadmap that clarifies position on Indirect Potable Reuse (IPR) vs. Direct Potable Reuse (DPR). Develop plan for South County including a governance model.
Update:	<ul style="list-style-type: none"> On March 29, 2021, Valley Water hosted a virtual public Purified Water Project scoping meeting to inform community members about the project's environmental review process, and seek input on the project. On April 30, 2021, Valley Water issued a Request for Qualifications (RFQ) for the Purified Water Program. This is Valley Water's first Public-Private Partnership (P3) capital project using a Design-Build-Finance-Operate-Maintain (DBFOM) delivery method. On June 23, 2021, the final draft of the Countywide Water Reuse (CoRe) Plan was presented to the Recycled Water Committee and is expected to be presented to the full Board in August 2021.

Strategy 4:	Engage and educate the community, elected officials and staff on future water supply strategies in Santa Clara County.
Focus:	<ul style="list-style-type: none"> Clarify strategies for outreach and education programs and efforts. Develop metrics to understand the ROI of outreach strategies, such as the annual favorability survey. Increase efforts to educate the public about the mix of different types of water in Valley Water's portfolio, including the Delta Conveyance, and associated current and projected costs.
Update:	<ul style="list-style-type: none"> Valley Water launched a new public engagement site: https://beheard.valleywater.org for community members to get the latest updates, ask questions and provide feedback on major Valley Water projects and initiatives. On June 9, 2021, the Board declared a water shortage emergency condition in Santa Clara County and called for a mandatory 15% reduction in water usage compared to 2019. On June 25, 2021, Santa Clara County followed Valley Water by declaring a local emergency due to extreme drought conditions. Valley Water continues to work with other local jurisdictions and water retailers to increase water conservation efforts. On June 9, 2021, the Board adopted the 2020 Urban Water Management Plan, a long-term water resource plan that documents current and projects water supplies and demands over the next 25 years during normal and drought years, as well as reliability analysis and conservation efforts in Santa Clara County. The Board also adopted an expanded Water Storage Contingency Plan to establish actions and procedures for managing water shortages due to droughts and other emergencies consistent with state regulations. On June 22, 2021, the Board approved revisions to Board Governance Ends Policy E-2: Water Supply to achieve the following End: "Providing a reliable, safe, and affordable water supply for current and future generations in all communities served." Revised goals include meeting Valley Water's Level of Service goal, protecting existing water supplies, maintaining water infrastructure, increasing regional self-reliance, using an integrated approach for water resources management, and promoting equitability and affordability. In March, April and May 2021, Valley Water reached 1,264 members of the community through 38 virtual tours of Valley Water's water infrastructure projects and water reuse/recycled and purified water program.
Strategy 5:	Advance Anderson Dam Seismic Retrofit Project (ADSRP)
Focus:	<ul style="list-style-type: none"> Progress all elements on the Federal Energy Regulatory Commission Order Compliance Project (FOCP) into design/construction. Begin construction of the Anderson Dam Tunnel Project (ADTP). Continue to work with appropriate regulatory agencies to review and obtain approval for all project design plans on the ADSRP. Release for review the Draft Environmental Report for the ADSRP. Continue to inform the public and neighborhoods of the project progress and construction timeline. Balance flood protection, water supply, and environmental flow requirements appropriately for annual operations prior to completion of the construction of ADSRP.
Update:	<ul style="list-style-type: none"> A virtual public meeting with 83 community members was held on May 19, 2021, to provide an update on upcoming construction on the Anderson Dam Tunnel project slated to begin in June 2021. On May 28, 2021 – Valley Water issued the Phase 1 and 2A Notice to Proceed for the Anderson Dam Tunnel Project with a start date of June 28, 2021.

GOAL: NATURAL FLOOD PROTECTION	
Strategy 1:	Protect and maintain existing assets and infrastructure.
Focus:	<ul style="list-style-type: none"> • Prioritize funding for maintenance activities to ensure the most cost-effective flood protection investment. • Develop asset management approach to plan for major asset recapitalization. • Develop program to plan for multi-benefit opportunities when major maintenance work is required.
Update:	<ul style="list-style-type: none"> • On June 4, 2021, Valley Water held a virtual Ribbon-Cutting event to celebrate the completion of the Rancho San Antonio Park Flood Detention Facility, the final of three components of the Permanente Creek Flood Protection Project. • On June 8, 2021, the Board approved the Central Valley Project (CVP) Repayment Contract, converting the contract into a repayment contract under the Water Infrastructure Improvements for the Nation Act (WIIN Act), which does not expire and eliminates the need for renewal. Execution of this agreement helps sustain Valley Water's CVP supplies into the future and improves the County's water supply reliability.
Strategy 2:	Pursue opportunities to improve internal capacity to acquire regulatory permits.
Focus:	<ul style="list-style-type: none"> • Provide for Watershed-Wide regulatory planning and permitting effort and pursue other efforts at the state and federal level to expedite permit review. • Centralize permitting efforts amongst Valley Water staff to improve efficiency of applications and build closer relationships with regulatory agencies. • Build closer relationships with regulatory agencies and open dialogue with the environmental community.
Update:	<ul style="list-style-type: none"> • On May 3, 2021, Valley Water met with leaders of several environmentally focused stakeholders to receive input on their environmental priorities and their alignment with Valley Water grants, environmental public benefits/access, capital projects and environmental mitigation efforts.

GOAL: ENVIRONMENTAL STEWARDSHIP	
Strategy 1:	Attain net positive impact on the environment when implementing flood protection and water supply projects.
Focus:	<ul style="list-style-type: none"> As part of the One Water planning process, develop an integrated water resource plan for each watershed, including appropriate metrics to monitor Valley Water's impacts on and benefit to the environment. Ensure that stewardship efforts are integrated and not focused primarily on mitigation. Seek input from a wide range of communities including tribal voices, disadvantaged communities, regulators, and the environmental community, whenever possible. Revisit Ends Policy 4 in light of climate change, trails, open space, stewardship, etc.
Update:	<ul style="list-style-type: none"> On June 22, 2021, the Board approved modifications to Board Governance Ends Policy E-4: Water Resources Stewardship to achieve the following End: "Water resources stewardship protects and enhances ecosystem health." Revised goals include using a science-based approach to protect aquatic ecosystems, managing water resources for multiple benefits, encouraging sustainable management of water resources in the Bay-Delta, preventing pollution of waterbodies, and engaging the community.
Strategy 2:	Promote the protection of creeks, bay, and other aquatic ecosystems from threats of pollution and degradation.
Focus:	<ul style="list-style-type: none"> Continue efforts to protect the ecosystem and water quality of our waterbodies, the integrity of our infrastructure, and ensure our employees have a safe work environment. Such efforts include preventing stormwater pollution, increased implementation of green stormwater infrastructure, addressing mercury pollution, and homeless encampment clean ups. Continue partnerships and investments on a regional scale such as the South Bay Salt Pond Restoration and Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP).
Update:	<ul style="list-style-type: none"> On May 1, 2021, Valley Water hosted the Coyote Creek Cleanup event to kick-off National River Cleanup Month at two locations along Coyote Creek. The event was a community-wide effort with multiple partners including City of San Jose, County of Santa Clara, Opening Doors, South Bay Clean Creeks Coalition, The Trash Punx, Saved by Nature, Zanker Recycling, and Republic Services. 98 volunteers from both cleanup sites worked with staff from Valley Water and the City of San Jose to remove 27.25 tons (54,500 lbs) of trash and 64 gallons of biowaste.
Strategy 3:	Continue the Fisheries and Aquatic Habitat Collaborative Effort (FAHCE)
Focus:	<ul style="list-style-type: none"> Expedite early implementation of feasibility studies, monitoring activities, and planning and construction of various fish passage improvements. Integrate with Anderson Dam Seismic Retrofit Project, Coyote Creek, and other new projects. Continue FAHCE effort on remaining two creeks: Guadalupe River and Stevens Creek. Develop Adaptive Management Plan to encompass all three creeks.
Update:	<ul style="list-style-type: none"> Valley Water plans to release the public Draft Environmental Impact Report (EIR) for Guadalupe River and Stevens Creek on June 30, 2021, followed by a virtual public meeting in July 2021. Valley Water continues to coordinate the FAHCE Plus Pilot Flow Project for Guadalupe Creek and Stevens Creek initiated on October 1, 2020. The two-year Pilot Project provides storage-based releases from Guadalupe Reservoir and Stevens Creek Reservoir into Guadalupe and Stevens Creeks, respectively. Consistent with the FAHCE rule curve and current extreme drought conditions, pulse releases are not currently scheduled as storage levels are well below the threshold at both reservoirs in the FAHCE Plus Pilot Flows Program.

GOAL: BUSINESS MANAGEMENT	
Strategy 1:	Advance diversity and inclusion.
Focus:	<ul style="list-style-type: none"> Continue research on best practices to understand the changing landscape of diversity and inclusion to identify where continued investment is necessary. Develop Board's vision for Valley Water as a diverse and inclusive organization.
Update:	<ul style="list-style-type: none"> In March 2021, Valley Water's Office of Racial Equity, Diversity and Inclusion (REDI Office) launched an organizational equity assessment in collaboration with The Justice Collective to better understand opportunities for equity, diversity and inclusion and inform a REDI workplan. The final report from the equity assessment is expected in July 2021. On March 26, 2021, the Board adopted a resolution "Addressing Violence and Racism Against the Asian American and Pacific Islander (AAPI) Community" in response to anti-Asian sentiment, discrimination and attacks. The Board also adopted resolutions recognizing Earth Day, Asian-Pacific American Heritage Month, and Juneteenth Independence Day.
Strategy 2:	Maintain appropriate staffing levels and expertise.
Focus:	<ul style="list-style-type: none"> Finalize a long-term staffing strategy that aligns with Water Supply Master Plan, Capital Improvement Program, Operations & Maintenance plans, etc.. Develop classification career ladders to provide understanding of requirements for professional growth. Consider opportunities to grow the recruitment pipeline from high school and college students, workforce development programs, and the Valley Water intern program.
Update:	<ul style="list-style-type: none"> In Fiscal Year 2020-2021, Valley Water has reduced its vacancy rate from 11% to 6% and has completed 189 total recruitments including 98 new hires, 80 promotions and 11 competitive internal transfers. After a highly competitive process garnering nearly 1,800 applicants, Valley Water's 2021 Summer Internship Program includes 40 interns who will receive hands-on exposure to careers in water spanning all areas of the organization including Environmental Planning, Design and Construction, Government Relations, Engineering, Pipeline Projects, Communications, Information Technology, Human Resources, and Lab Services.
Strategy 3:	Provide affordable and cost-effective level of services.
Focus:	<ul style="list-style-type: none"> Establish benchmarking with other agencies, particularly water agencies, in order to understand areas for improvement.
Update:	<ul style="list-style-type: none"> On May 11, 2021, the Board adopted the Fiscal Year 2021-2022 Operating and Capital Budget and approved the Fiscal Years 2022-2026 Five-Year Capital Improvement Program. On May 11, 2021, the Board directed staff to develop a one-year Low-income Residential Water Rate Assistance Program (WRAP) in collaboration with a local non-profit agency who will administer the program. WRAP is currently in development and will return to the Board with an update on program details and a recommendation to move forward with the program in July 2021.

GOAL: CLIMATE CHANGE	
Strategy 1:	Address future impacts of climate change to Valley Water's mission and operations.
Focus:	<ul style="list-style-type: none"> Develop a vision for how Valley Water thinks about and responds to Climate Change throughout the organization.
Update:	<ul style="list-style-type: none"> Valley Water's Climate Change Action Plan (CCAP) guides Valley Water's response to climate change and confirms greenhouse gas (GHG) reduction and climate change adaptation as priorities throughout its mission areas of water supply, flood protection, and environmental stewardship. The plan is in its final stages of development and will be presented to the Board for approval in July 2021.



Santa Clara Valley Water District

File No.: 21-0673

Agenda Date: 7/12/2021

Item No.: 5.2.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Climate Change Action Plan.

RECOMMENDATION:

Provide information on the Climate Change Action Plan.

SUMMARY:

The Climate Change Action Plan (CCAP) comprehensively guides Valley Water's response to climate change and confirms greenhouse gas (GHG) reduction and climate change adaption as priorities throughout Valley Water's mission areas of water supply, flood protection, and environmental stewardship. This memorandum summarizes Valley Water's CCAP, describing vulnerabilities to climate change, goals and strategies to mitigate and adapt to climate change, and implementation of the CCAP. A full draft of the CCAP is available on Valley Water's [CCAP webpage](https://www.valleywater.org/your-water/water-supply-planning/climate-change-action-plan) [<https://www.valleywater.org/your-water/water-supply-planning/climate-change-action-plan>](https://www.valleywater.org/your-water/water-supply-planning/climate-change-action-plan).

Climate Change Vulnerabilities

Climate change will impact Valley Water in each of its three mission areas. Water supply reliability will be challenged by changes to local and imported water supplies and surface water quality. Increasing storm intensity and sea level rise will affect flood protection efforts. Local ecosystems may degrade in response to changing water quantity and quality, drier soils, floods, droughts, stream channel erosion or incision, wildfires, invasive species, and other possible climate change impacts. This will threaten the success of ecosystem stewardship efforts, as well as permit-required habitat mitigation.

Current operations at Valley Water are effective but remain vulnerable to climate change impacts. The CCAP includes goals, strategies, and possible actions to address these vulnerabilities.

Climate Action Goals and Strategies

Seven goals were developed to guide Valley Water's response to climate change. Three goals are related to GHG emission reduction, three are related to adaptation, and one goal is related to emergency preparedness.

- Goal 1: Reduce Direct Greenhouse Gas Emissions
- Goal 2: Expand Renewable Energy and Improve Energy Efficiency
- Goal 3: Reduce Indirect Greenhouse Gas Emissions
- Goal 4: Water Supply Adaptation
- Goal 5: Flood Protection Adaptation

Goal 6: Ecosystem Adaptation**Goal 7: Emergency Preparedness**

For each greenhouse gas reduction and climate change adaptation strategy, the CCAP identifies a series of possible actions. Many actions, such as enhancing local storage and developing new sources of potable water, are ongoing while other ongoing actions are recommended for expansion. A summary of the CCAP is provided and includes an outline of strategies and some of the possible actions for each goal (Attachment 1). Notable new actions proposed include: updating carbon accounting methodology to account for the full range of direct emissions, promoting construction-related emissions reduction throughout planning and design, collaborating with land use authorities to promote water use efficiency and reuse, identifying ways to improve flexibility of water treatment systems, improving forecasting to maximize flexibility of reservoir storage, restoring natural floodplain functions to improve resiliency, and investing in green stormwater infrastructure.

CCAP Stakeholder Outreach

Outreach to the community and external stakeholders was conducted to build awareness and to solicit a wide range of public input on Valley Water's proposed climate change mitigation and adaptation goals, strategies, and possible actions. Through the outreach efforts, over 5,000 stakeholders were made aware of the CCAP, and 146 people participated in a survey to provide feedback on the CCAP, leaving over 300 individual comments. Comments were incorporated into the plan and a document with responses to comments was published online. Both internal and external feedback will continue to be incorporated throughout the CCAP implementation.

CCAP Implementation Program

The proposed CCAP Implementation Program will ensure that climate change mitigation and adaptation actions are integrated, or mainstreamed, into Valley Water operations. Metrics to track progress are being developed to determine trends, limiting factors, and improvement needs, allowing Valley Water's climate change response efforts to evolve over time. The Implementation Program will be administered initially by a graduate student intern supported by additional Valley Water staff, and eventually, if approved, by a full-time implementation lead. Implementation steps include prioritizing and implementing actions, measuring progress, and conducting outreach.

ATTACHMENTS:

Attachment 1: Climate Change Action Plan Summary

Attachment 2: Powerpoint Slides

UNCLASSIFIED MANAGER:

Lisa Bankosh, 408-630-2618

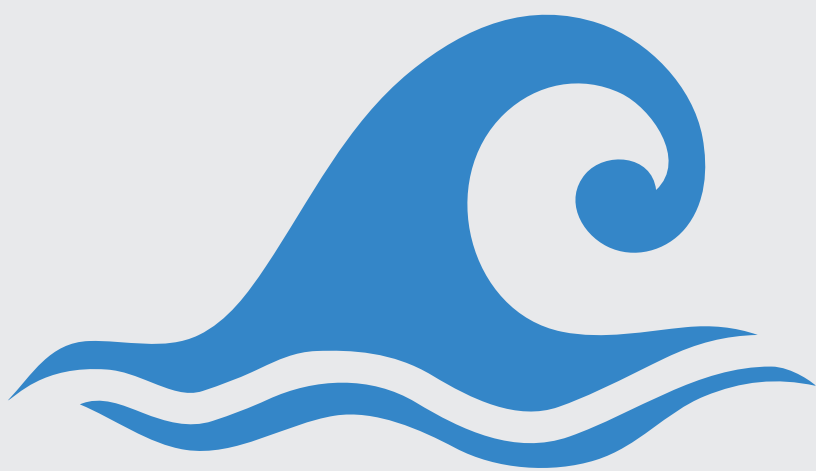
Kirsten Struve, 408-630-3138

Climate Change Action Plan: Overview



What is the Climate Change Action Plan (CCAP)?

Valley Water’s CCAP is a comprehensive guide to Valley Water’s current and future mitigation and adaptation efforts. It builds upon Valley Water’s existing climate change response efforts and presents goals and strategies to continue and expand these efforts.



What is in the CCAP?

The CCAP discusses Valley Water’s current greenhouse gas emissions and climate efforts, Santa Clara County’s climate and projected climate changes, Valley Water’s vulnerabilities and risks due to climate change impacts, and goals, strategies, and possible actions to mitigate and adapt to climate change. The CCAP also includes next steps towards the development of an on-going program to implement the CCAP. The following pages list each CCAP goal along with its associated strategies. These also include examples of possible actions which represent ideas as to how to achieve these goals and strategies.

Why does Valley Water need a CCAP?

Climate change is expected to alter local climate in Santa Clara County, Valley Water’s service area. Changes in air temperature, precipitation, and other climatic changes challenge Valley Water operations in numerous ways. For example, more droughts may lead to water supply challenges. Increasing storm intensity and sea level rise will complicate flood protection efforts. Local ecosystems may degrade in response to extreme weather and other climate change impacts. Valley Water’s CCAP seeks to make Santa Clara County’s water supply, flood protection efforts, and ecosystems more resilient to climate change impacts through this CCAP.

How will Valley Water use the CCAP?

Valley Water will launch an implementation program to develop and coordinate CCAP actions following the CCAP’s acceptance by Valley Water’s Board of Directors. The implementation program will finalize, prioritize and facilitate climate actions, as well as monitor and report progress. This implementation will engage internal stakeholders extensively, as many of these actions align or overlap with other Valley Water’s plans. Furthermore, external stakeholder input will continuously guide the process.

How can I get involved with the development of the CCAP?

The CCAP team is currently seeking input on the CCAP’s goals, strategies and actions. Feedback can be submitted through a survey. A link to this survey can be found at the end of this document. Further updates and information on how to continue to engage can be found on the Valley Water CCAP website, or Valley Water’s social media pages.



Goal 1:

Reduce Direct Greenhouse Gas (GHG) Emissions

Strategies shown below include examples of actions that may be recommended to achieve the goal. If you have additional ideas, please submit these through the survey.

Reduce Valley Water Fleet Emissions

- Continue adding electric vehicles and other fuel-efficient vehicles to Valley Water's fleet
- Expand knowledge on vehicle emission reduction techniques, devices, and equipment, and offer sustainability training
- Expand the use of Valley Water pool vehicle(s), if possible

Reduce GHG emissions from trips between Valley Water offices and work sites

- Encourage remote and public transit options for off-site meetings
- Improve and maintain remote meeting technology throughout Valley Water
- Promote fuel-saving policies and protocols for Valley Water vehicles

Reduce GHG emissions associated with Valley Water-owned equipment

- Promote use of renewable energy for Valley Water field equipment
- Continue to replace various types of agency-owned equipment with fuel efficient or electric models
- Improve the efficiency of heating and cooling equipment at agency facilities

Continue to update Valley Water's GHG accounting practices

- Continuously update the methods used to calculate Valley Water's GHG inventory to utilize best practices
- Continue to expand the GHG inventory to account for additional sources and sinks

Increase GHG sequestration on Valley Water properties and other areas

- Continue to plant native and drought-tolerant plants with high carbon sequestration rates in mitigation, enhancement, and landscaping projects
- Evaluate the need for purchasing carbon offsets to sequester carbon in non-Valley Water areas, such as the Sacramento-San Joaquin Delta region, as a method for maintaining carbon neutrality

Minimize GHG emissions associated with planning, design, construction, operation, and maintenance of capital projects

- Incorporate energy, water, and fuel efficiency into capital project planning, design, and long-term maintenance
- Update internal capital project work instructions to incorporate GHG reduction measures
- Promote knowledge and offer training on construction-related emission reduction technologies, devices, and equipment

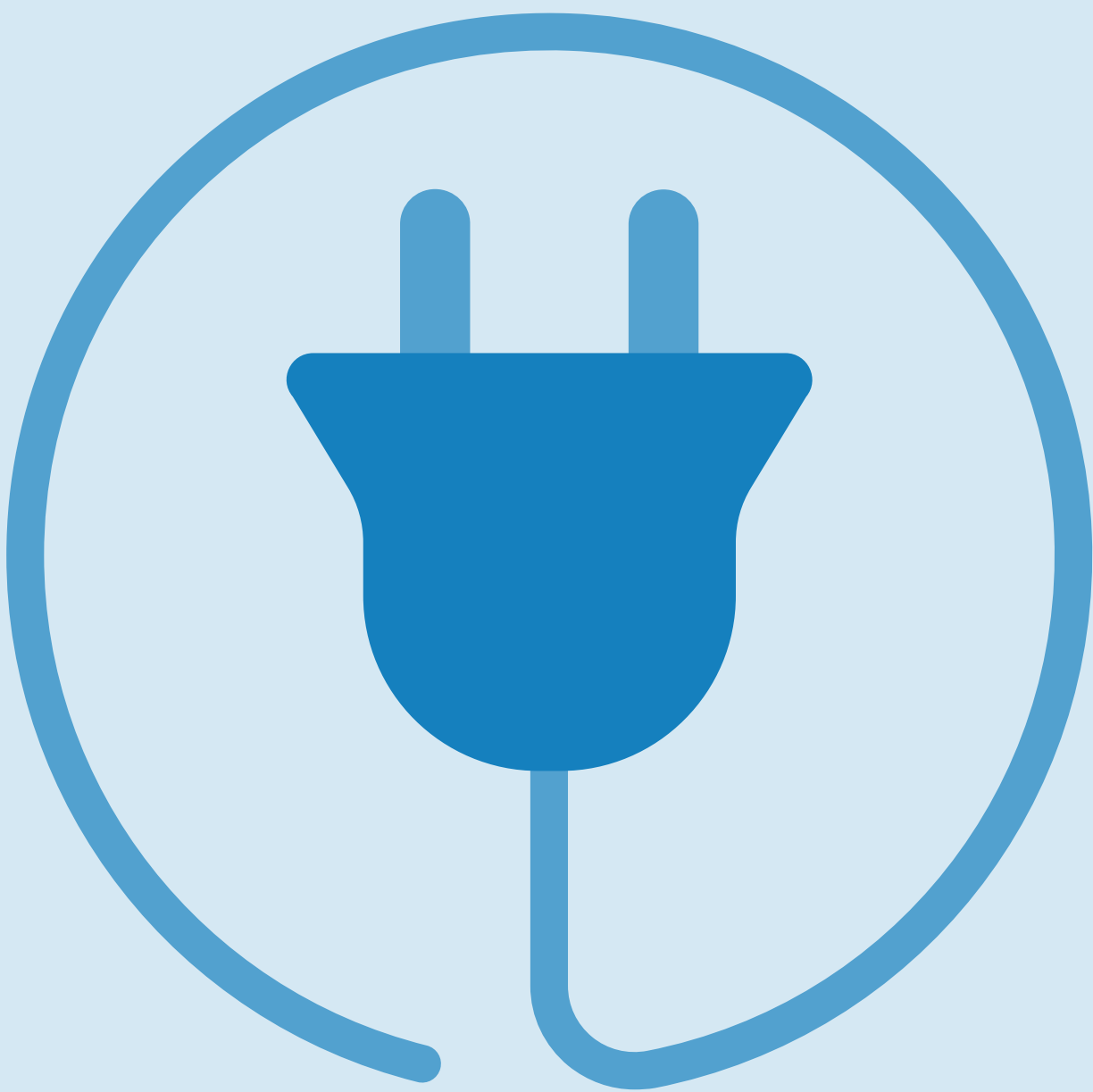
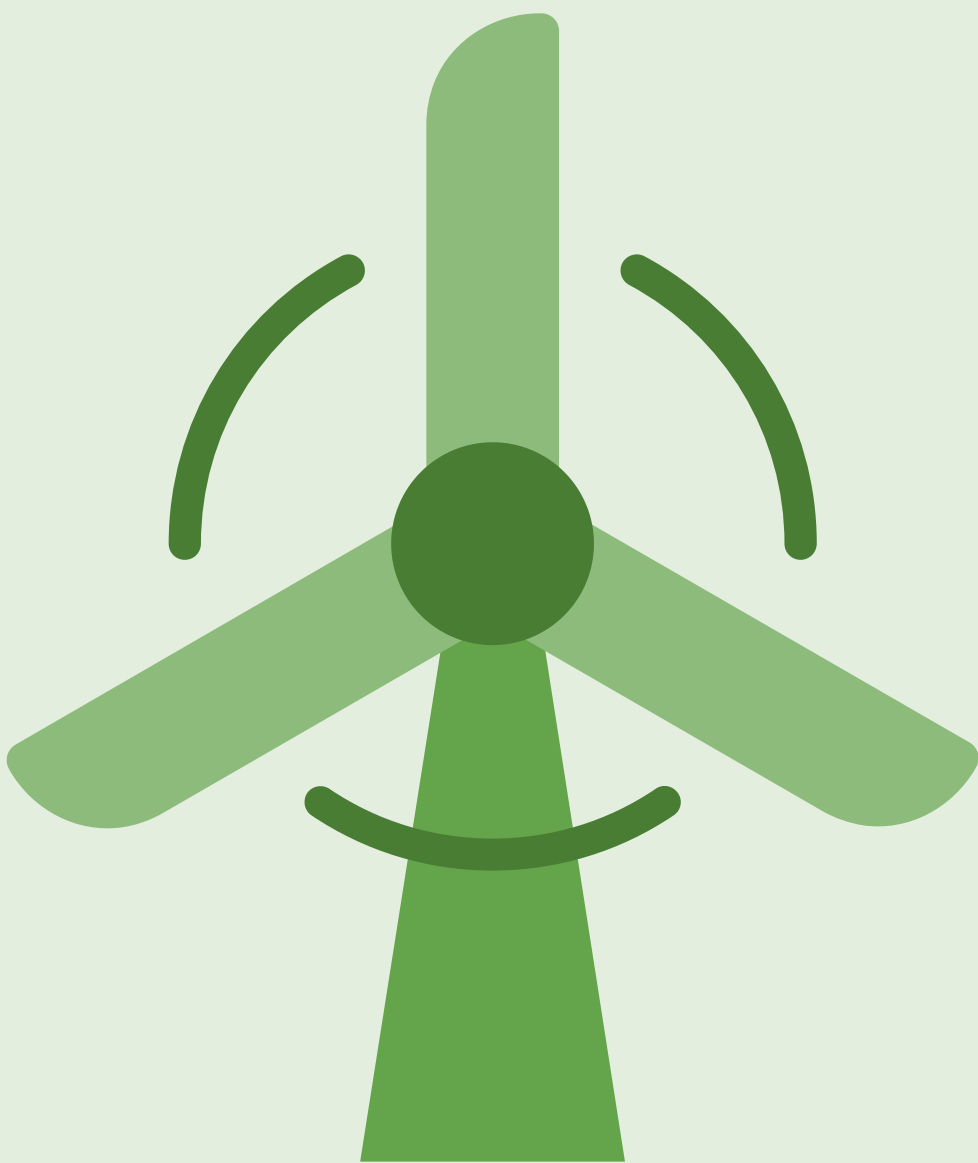
Goal 2:

Expand Renewable Energy and improve Energy Efficiency

Strategies shown below include examples of actions that may be recommended to achieve the goal. If you have additional ideas, please submit these through the survey.

Continue to support increased renewable energy in the agency's energy portfolio

- Examine and pursue opportunities to increase renewable energy in Valley Water's energy portfolio
- Continue to expand renewable and carbon-free procurement



Continue to improve energy efficiency at agency facilities

- Improve efficiency of office equipment and expand energy and water saving measures
- Further develop a policy that improves building sustainability, maintain regular energy assessments, and implement energy-saving technologies as they are available
- Promote energy efficient behaviors through staff education
- Continue monitoring energy optimization practices and expand most impactful efforts

Goal 3:

Reduce Indirect GHG Emissions

Strategies shown below include examples of actions that may be recommended to achieve the goal. If you have additional ideas, please submit these through the survey.

Reduce emissions from Valley Water employee commutes

- Expand use of laptops instead of desktops, file sharing platforms, and other appropriate technologies to support paperless work and meetings.
- Continue to invest in electric vehicle charging stations and improve their convenience

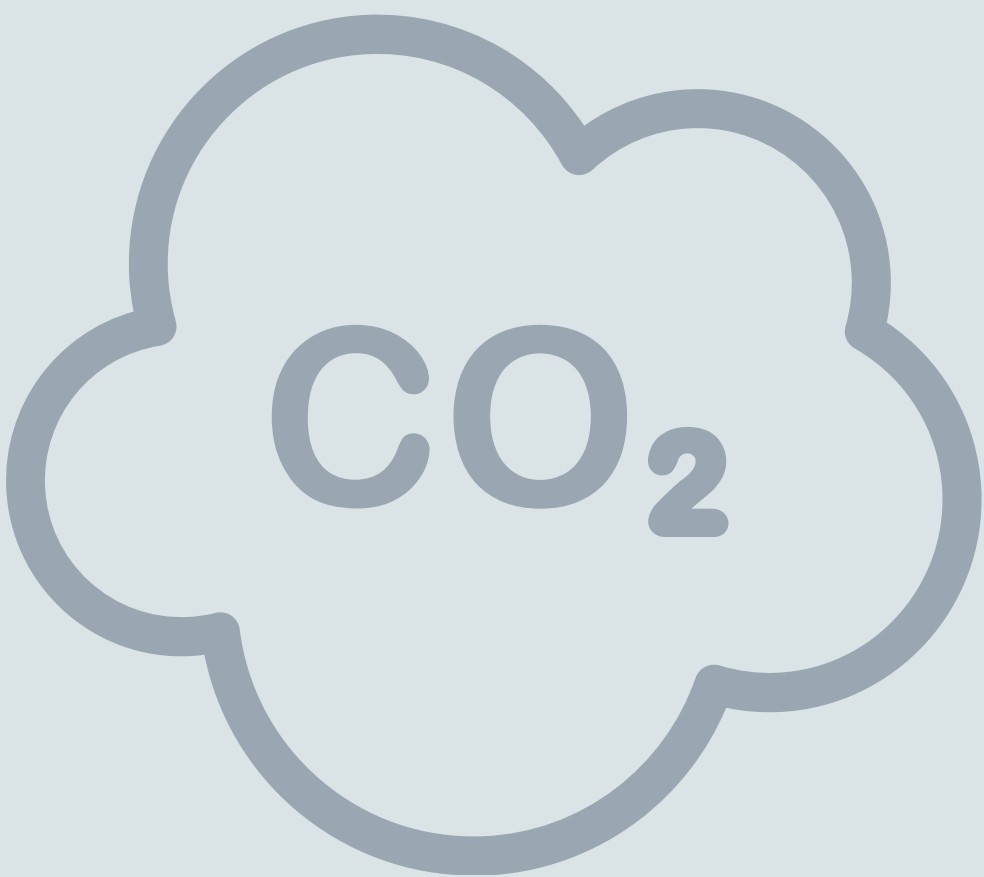


Reduce waste produced at facilities

- Expand waste reduction measures as a part of the Green Business Program
- Develop an agency-wide approach for diverting and minimizing waste
- Promote the use of reusable items and spread awareness on the climate impact of waste
- Expand electronic document management to minimize paper use, and make double-sided printing the default

Continue to create and expand other efforts to minimize indirect emissions

- Spread awareness of Valley Water's purchasing policy to consider environmental implications
- Continue to divest from major polluters
- Support California's Department of Water Resources' efforts to lower the carbon intensity of imported water
- Strengthen a sustainability training program for Valley Water employees



Goal 4:

Water Supply Adaptation

Strategies shown below include examples of actions that may be recommended to achieve the goal. If you have additional ideas, please submit these through the survey.

Expand and diversify local water supplies

- Increase capture of stormwater and floodwater, such as through green infrastructure projects
- Resolve regulatory challenges to innovative local water solutions and increase coordination on alternative water uses

Improve demand management and support water conservation efforts

- Support programs to reduce pipeline leakage
- Promote efforts related to water conservation and reuse
- Increase coordination between Valley Water, land use agencies, and water retailers on water and land use management
- Engage in proactive, consistent, and coordinated drought and water shortage contingency planning

Implement source water improvement and water treatment actions

- Design and develop invasive species control strategies for Valley Water’s facilities and conveyance structures that are specific to target organisms
- Promote and participate in research projects related to climate change impacts on source water quality
- Conduct a study to identify potential adaptive water treatment actions that increase the resilience and flexibility of treatment systems to the impacts of climate change

Support efforts to maintain and enhance source water quality

- Expand participation in collaborative projects focusing on protecting and improving imported source water quality
- Expand support for local and imported source water quality efforts, through outreach on water reuse and source water quality

Increase reliability of imported water

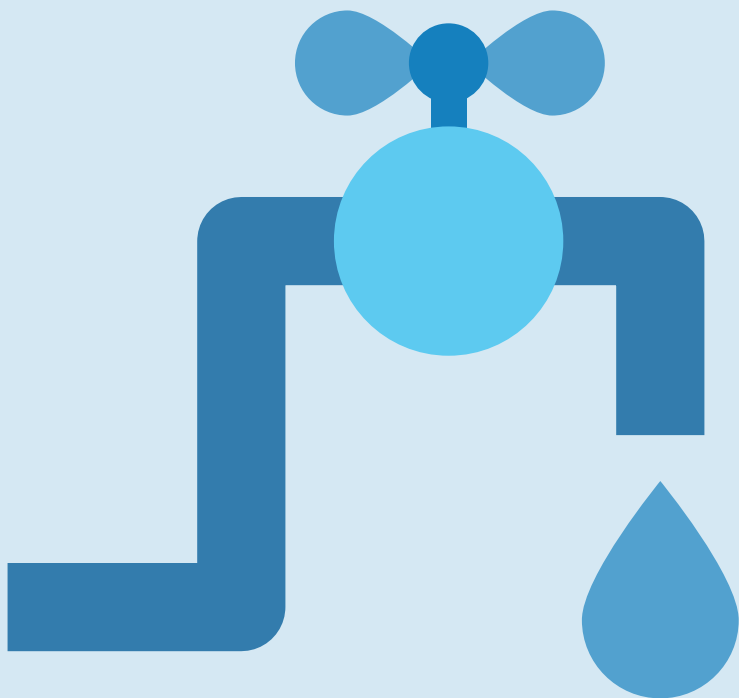
- Collaborate on and support Sierra Nevada watershed protection and restoration projects
- Support state efforts to develop emergency preparedness plans to respond to large Delta levee failure events that threaten imported water supplies

Increase flexibility and resilience of water utility operations and assets

- Improve hydrologic forecasting to better adapt to changing hydrology and extremes
- Address aging infrastructure through continued implementation of the Infrastructure Reliability Plan
- Expand efforts to improve the resilience of local and imported storage, managed recharge facilities, and conveyance and increase groundwater storage

Support ecological water supply management objectives

- Develop climate resilient water supply options to support fisheries and other aquatic and stream-dependent resources
- Continue to implement adaptive management to support fisheries
- Continue to participate in joint efforts with partner water agencies to support ecosystem restoration, research, and management and in statewide environmental flows discussions



Goal 5:

Flood Protection

Adaptation In Santa Clara County

Strategies shown below include examples of actions that may be recommended to achieve the goal. If you have additional ideas, please submit these through the survey.



Minimize flood risk in coastal areas

- Expand collaboration on fluvial and coastal flood protection projects
- Increase the connectivity of coastal habitats along the Bay's shoreline with the tidal zones of streams
- Install tidal gages to monitor sea level rise
- Continue to work on capital projects and coordination with cities to address sea level rise related flooding risk

Improve the flood preparedness of people, property, and habitat

- Coordinate with land use agencies to protect and restore historic floodplain areas and vegetated buffers along creeks
- Consider relocation, purchase, and/or structure elevation of properties subject to recurring flooding risk, when possible
- Continue to obtain land in areas vulnerable to flooding for improved flood protection and channel restoration
- Continue to enhance monitoring and maintenance programs of flood protection infrastructure

Minimize riverine flooding risks

- Research, design, and implement multi-benefit flood protection projects such as green infrastructure to increase channel conveyance capacity and protect or improve ecosystem resilience
- Expand procedures to plan and design capital projects for long-term stream resilience
- Create natural floodplain areas, stream-upland transition areas, and upland buffers around streams
- Expand procedures to plan and design capital projects around long-term stream resilience

Implement projects and plans to increase the flexibility and resilience of flood protection operations and assets

- Develop planning, design, and maintenance procedures to address assets' climate related flood impacts
- Develop asset management plans for flood protection assets that incorporate climate change solutions and promote adaptation, resilience, and flexibility
- Implement projects that maximize stream climate resilience

Expand the use of flood forecasting and modeling tools in the planning and design of agency projects to maximize protection from flood risks

- Model predicted changes in the frequency and magnitude of flooding events to inform project planning and design
- Seek additional technologies to improve forecasting of floods, storm surges, and other events resulting from rising sea level and changing flood patterns
- Expand the use of rain and stream gauges in monitoring and maintenance of assets to help identify areas of risk

Goal 6:

Ecosystem

Adaptation in Santa Clara County

Strategies shown below include examples of actions that may be recommended to achieve the goal. If you have additional ideas, please submit these through the survey.

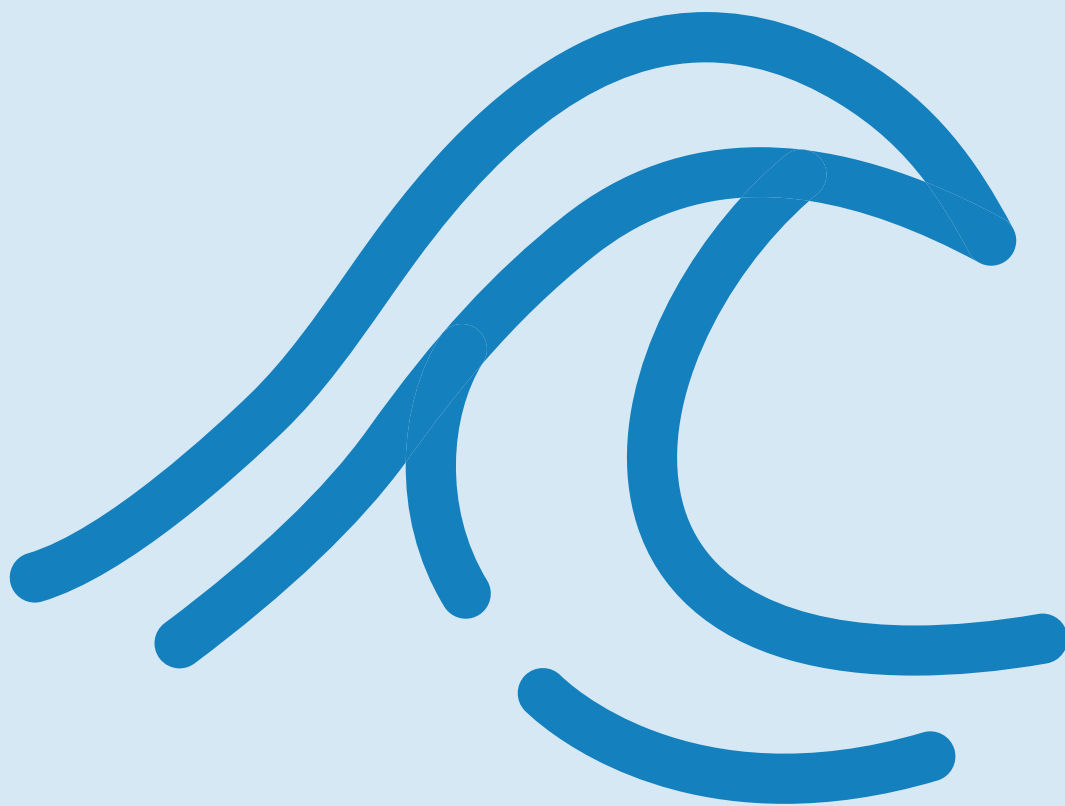


Protect and enhance riverine, coastal, and other watershed ecosystems to improve climate resilience

- Identify and prioritize habitat enhancement needs and incorporate them into stream stewardship and mitigation projects
- Develop climate-resilient best practices to be used in the implementation of habitat conservation and restoration
- Consider adopting policies that promote environmental stewardship principles to address climate change impacts
- Expand efforts to protect, restore, enhance, and maintain riparian areas and wetlands, and transitional and upland buffers around those features

Develop and expand programs and plans that support more climate-resilient ecosystems

- Support mutually beneficial inter-agency programs, plans, and projects that restore regional ecosystems
- Develop policies and guidelines for handling effects of wildfires
- Consider adopting policies to promote habitat connectivity when planning, designing, operating, and maintaining Valley Water's flood protection and water supply infrastructure
- Expand the guidelines and standards for land use near streams to include climate change resilience considerations



Expand the availability of data on regional ecosystems to avoid detrimental climate change-related ecosystem impacts

- Research climate impacts on invasive species to guide efforts at prevention and removal
- Expand monitoring and modeling of the effects of climate change-related events on ecosystems, stream flows, and water quality
- Participate in research projects related to climate impacts on Valley Water's mission areas



Goal 7: Emergency Preparedness

Strategies shown below include examples of actions that may be recommended to achieve the goal. If you have additional ideas, please submit these through the survey.

Maximize Valley Water's emergency preparedness for climate-related impacts

- Expand and improve procedures for responding to climate-related emergencies
- Expand safety and continued operation of Valley Water assets during climate-related emergencies
- Continue to develop a centralized approach to understand future climate changes and impacts. Develop climate modeling and analysis methods to better assess, predict, and respond to climate change



**Interested in learning more about Valley Water's climate change efforts and staying up to date on the CCAP?
Visit our webpage!**



Scan the code to go to our climate change action plan webpage.
Scan by holding your camera over the code or by using a "QR code scanner" app



Climate Change Action Plan (CCAP)

Neeta Bijoor, Ph.D., Associate Water Resources Specialist; Maggie O'Shea, CivicSpark Fellow;
Lisa Bankosh Assistant Officer Watershed Stewardship and Planning; Kirsten Struve, Assistant Officer Water Supply Division
Agricultural Water Advisory Committee, July 12, 2021



Climate Change Action Plan (CCAP)

Provides VW's framework for climate change response

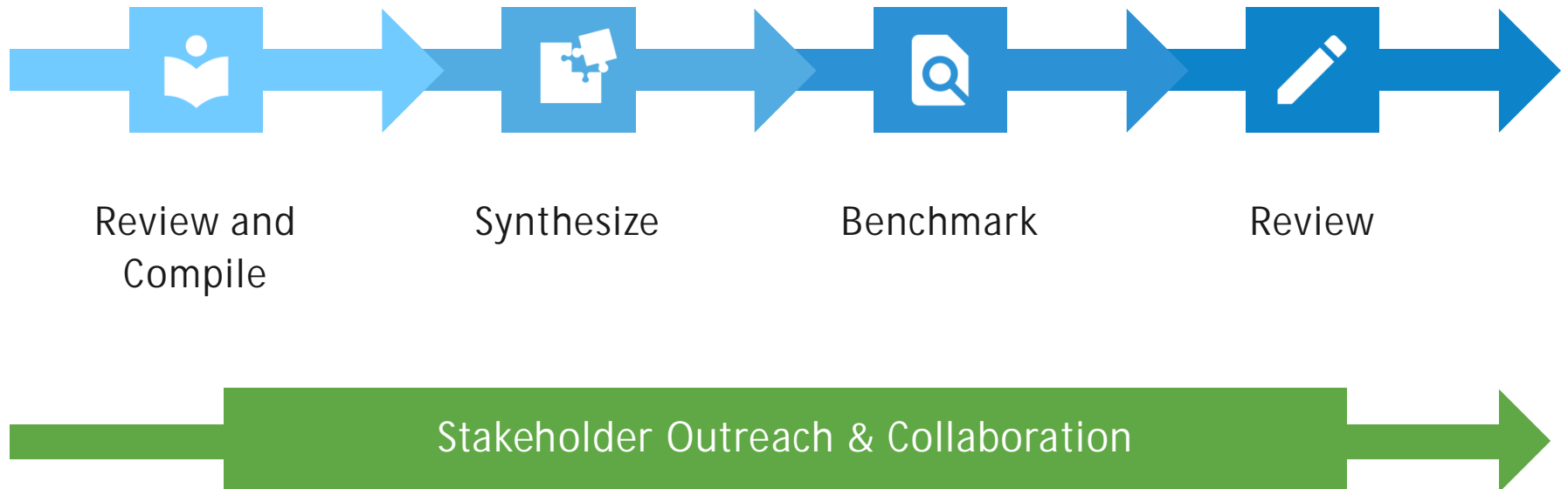
- Presents goals and strategies
- Proposes an ongoing implementation program
- Public-facing document








CCAP TIMELINE

2017		Feb & Nov 2020		April 2021
CCAP development begins	Internal stakeholder co-development of goals, strategies, and actions	CCAP reviewed by BPPC	External stakeholder survey and outreach	CCAP outreach results reviewed by BPPC

CCAP DEVELOPMENT



CCAP Overview

-  History of Valley Water's climate actions
-  Climate Change Projections and Impacts to Valley Water
-  Vulnerability and Risk Assessment
-  Goals, Strategies, and Possible Actions
-  Next Steps

CLIMATE CHANGE IMPACTS TO VALLEY WATER

Increase of 2 degrees Fahrenheit by 2050 and extreme heat events



Temperature

Potential increase in precipitation volume and extreme events



Precipitation

Decline in snowpack



Drought and Snowpack

Risk of wildfire



Wildfire

Increase in sea level



Sea Level Rise



Vulnerability and Risk Assessment



Water Supply Vulnerability

Drought, Water Quality,
Storm Damage to Assets



Flood Protection Vulnerability

Coastal Assets, Access to
Facilities, Supply Chain
Disruption



Ecosystem Stewardship Vulnerability

Wildfire, Habitat
Fragmentation, Water
Quality

CCAP Mitigation Goals

GOAL 1

Reduce Direct
Emissions

GOAL 2

Improve Energy
Efficiency

GOAL 3

Reduce Indirect
Emissions

CCAP Adaptation Goals

GOAL 4

Water Supply
Adaptation

GOAL 5

Flood Protection
Adaptation

GOAL 6

Ecosystem
Adaptation

GOAL 7

Emergency
Preparedness

CCAP External Outreach Strategy

Awareness

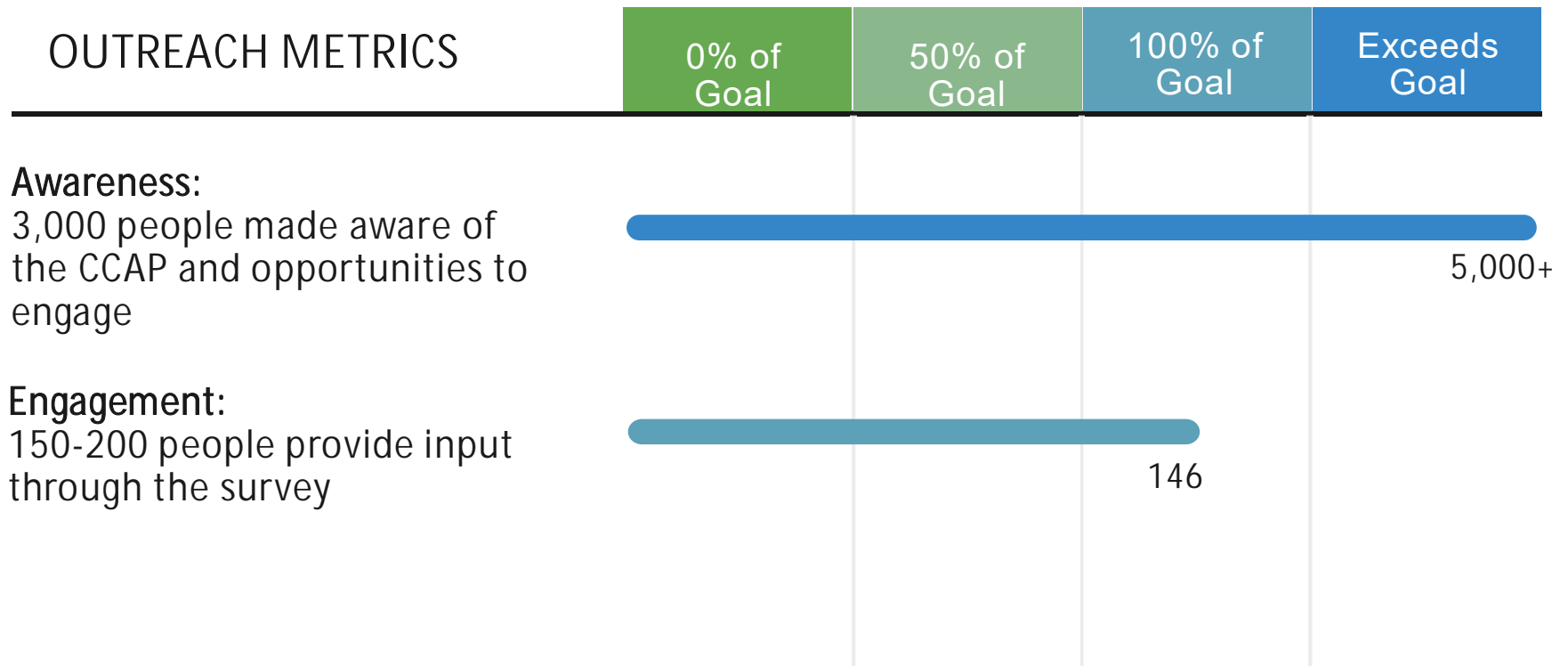
- Social Media Video
- Website Update
- Summary Document

Stakeholder Input

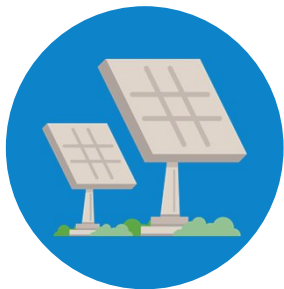
- Survey
 - Review of goals and strategies
 - Additional action ideas
 - Prioritization of Goals

Outreach Metrics

Measuring Success



Common Topics of Comments



Solar & Renewables



Reduction Targets



Teleworking



Green Infrastructure



Environmental Justice



Water Conservation

Implementation Program

1

Prioritize Actions

Possible criteria include cost, co-benefits, effectiveness, and survey feedback.

2

Measure Progress

Define metrics at the strategy level, including an updated greenhouse gas reduction goal.

3

Reporting and Outreach

Continue to collaborate with internal and external stakeholders. Track progress publicly such as through a public dashboard.

Next Steps

- Adopt the Climate Change Action Plan
- Implement CCAP
 - Update Carbon Accounting Methodology
 - Prioritize Actions and Develop Work Plans
 - Perform and Track Actions



Valley Water

Clean Water • Healthy Environment • Flood Protection

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