

December 30, 2022

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

District 1
District 2
District 4
District 5
District 6
District 7
Loma Prieta Resource Conservation District

Representative

Mitchell Mariani
James Provenzano
Sheila Barry
Jan F. Garrod
Tim Chiala
Sandra Carrico
Peter Van Dyke

Representative

Brent Bonino
Trevor Garrod
Robert Long

The regular meeting of the Agricultural Water Advisory Committee is scheduled to be held on **Monday, January 9, 2023, at 1:30 p.m., at Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, CA 95118.**

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Members with two or more consecutive unexcused absences will be subject to rescinded membership.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 **12:00 p.m., Thursday, January 5, 2023**, by contacting Ms. Glenna Brambill at 1-408-630-2408, or gbrambill@valleywater.org.

Enclosures



Agricultural Water Advisory Committee Meeting

Public and Non-presenting staff may Join Zoom Meeting:
<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

**Headquarters Building Boardroom
5700 Almaden Expressway
San Jose CA 95118**

REGULAR MEETING AGENDA

**Monday, January 9, 2023
1:30 PM**

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

Jan Garrod, Chair
Peter Van Dyke, Vice Chair

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

All public records relating to an 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 for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarters Building, 5700 Almaden Expressway, San Jose, CA 95118, at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend Board of Directors' meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

Vincent Gin
Darin Taylor, (Staff Liaisons)

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, January 9, 2023

1:30 PM

Headquarters Building Boardroom
5700 Almaden Expressway
San Jose CA 95118

IMPORTANT NOTICES AND PARTICIPATION INSTRUCTIONS

Santa Clara Valley Water District (Valley Water) Board of Directors/Board Committee meetings are held as a “hybrid” meetings, conducted in-person as well as by telecommunication, and is compliant with the provisions of the Ralph M. Brown Act.

To maximize public safety while still maintaining transparency and public access, members of the public have an option to participate by teleconference/video conference or attend in-person. To observe and participate in the meeting by teleconference/video conference, please see the meeting link located at the top of the agenda. If attending in-person, you are required to comply with Ordinance 22-03 - AN ORDINANCE OF THE SANTA CLARA VALLEY WATER DISTRICT SPECIFYING RULES OF DECORUM FOR PARTICIPATION IN BOARD AND COMMITTEE MEETINGS located at <https://s3.us-west-2.amazonaws.com/valleywater.org.if-us-west-2/f2-live/s3fs-public/Ord.pdf>

In accordance with the requirements of Gov. Code Section 54954.3(a), members of the public wishing to address the Board/Committee at a video conferenced meeting, during public comment or on any item listed on the agenda, should use the “Raise Hand” tool located in the Zoom meeting link listed on the agenda, at the time the item is called. Speakers will be acknowledged by the Board Chair in the order requests are received and granted speaking access to address the Board.

- Members of the Public may test their connection to Zoom Meetings at: <https://zoom.us/test>
- Members of the Public are encouraged to review our overview on joining Valley Water Board Meetings at: <https://www.youtube.com/watch?v=TojJpYCxXm0>

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 Board of Directors/Board 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>

Meeting ID: 988 5090 5996

Join by Phone:
+16699009128,,98850905996# US (San Jose)

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. SPECIAL RECOGNITION PRESENTATION

4. APPROVAL OF MINUTES:

4.1. Approval of Minutes.

[22-1452](#)

Recommendation: Approve the November 14, 2022, Special Meeting Minutes.

Manager: Candice Kwok-Smith, 408-630-3193

Attachments: [Attachment 1: 11142022 Ag Wtr DRAFT Mins](#)

Est. Staff Time: 5 Minutes

5. REGULAR AGENDA:

5.1. Election of Chair and Vice Chair.

[22-1453](#)

Recommendation: Elect 2023 Chair and Vice Chair

Manager: Candice Kwok-Smith, 408-630-3193

Est. Staff Time: 5 Minutes

5.2. Review and Approve 2022 Annual Accomplishments Report for Presentation to the Board (Committee Chair).

[22-1454](#)

Recommendation: A. Approve the 2022 Accomplishments Report for presentation to the Board; and
 B. Provide comments to the Committee Chair to share with the Board as part of the Accomplishments Report presentation pertaining to the purpose, structure, and function of the Committee.

Manager: Candice Kwok-Smith, 408-630-3193

Attachments: [Attachment 1: AWAC Accomplishments 2022](#)

Est. Staff Time: 5 Minutes

5.3. Review and Provide Comment to the Board on the Fiscal Year 2023-24 Preliminary Proposed Groundwater Production Charges.

[22-1455](#)

Recommendation: Review the Fiscal Year 2023-24 Preliminary Proposed Groundwater Production Charges and provide comment to the Board as appropriate.

Manager: Darin Taylor, 408-630-3068

Attachments: [Attachment 1: PowerPoint Presentation](#)

Est. Staff Time: 15 Minutes

- 5.4. Drought Emergency Response and Water Supply Update. [22-1456](#)
- Recommendation: Receive Drought Emergency Response and Water Supply Update.
- Manager: Kirsten Struve, 408-630-3138
- Attachments: [Attachment 1: PowerPoint Presentation](#)
[Attachment 2: November Drought Response Report](#)
- Est. Staff Time: 15 Minutes
- 5.5. Agricultural Water Use Baseline Study. [22-1458](#)
- Recommendation: Receive and discuss the findings and recommendations of the Agricultural Water Use Baseline Study.
- Manager: Kirsten Struve, 408-630-3138
- Attachments: [Attachment 1: Agricultural Resource Area Map](#)
[Attachment 2: PowerPoint Presentation](#)
- Est. Staff Time: 15 Minutes
- 5.6. Information on Proposal to Update the Untreated Surface Water Program. [22-1459](#)
- Recommendation: Receive information on proposal to update the Untreated Surface Water Program.
- Manager: Greg Williams, 408-630-2867
- Attachments: [Attachment 1: Surface Water Rules and Regulations SCVWD 197](#)
[Attachment 2: Untreated Surface Water Program Map of Surface](#)
[Attachment 3: PowerPoint Presentation](#)
- Est. Staff Time: 15 Minutes
- 5.7. Review Agricultural Water Advisory Committee Work Plan, the Outcomes of Board Action of Committee Requests; and the Committee's Next Meeting Agenda. [22-1460](#)
- Recommendation: Review the Committee work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.
- Manager: Candice Kwok-Smith, 408-630-3193
- Attachments: [Attachment 1: AWAC Work Plan 2023](#)
- Est. Staff Time: 5 Minutes

6. INFORMATION ITEMS:

6.1. Standing Items Report.

[22-1461](#)

Recommendation: Standing Items Report

This item allows the Agricultural Water Advisory Committee to receive verbal or written updates and discuss the Board's Fiscal Year 2023 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: Candice Kwok-Smith, 408-630-3193

Attachments: [Standing Items Report](#)

Est. Staff Time: 5 Minutes

7. 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.

8. REPORTS:

8.1. Director's Report

8.2. Manager's Report

8.3. Committee Member Report

8.4. Informational Links:

<https://www.valleywater.org/how-we-operate/committees/board-committees>

- Board Policy and Planning Committee (BPPC)
- Water Storage Exploratory Committee (WSEC)

<https://www.valleywater.org/how-we-operate/committees/board-advisory-committees>

- Water Conservation and Demand Management Committee (WCaDMC)

<https://www.valleywater.org/your-water/water-supply-planning/monthly-water-tracker>

- Water Tracker

9. ADJOURN:

9.1. Adjourn to Regular Meeting at 1:30 p.m., on Monday, April 3, 2023.



Santa Clara Valley Water District

File No.: 22-1452

Agenda Date: 1/9/2023
Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Approval of Minutes.

RECOMMENDATION:

Approve the November 14, 2022, Special 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: 11142022, Ag Water Draft Meeting Mins.

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193



AGRICULTURAL WATER ADVISORY COMMITTEE MEETING

DRAFT MINUTES

MONDAY, NOVEMBER 14, 2022

A special meeting of the Agricultural Water Advisory Committee was held on November 14, 2022, at Santa Clara Valley Water District, Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose CA 95118.

1. CALL TO ORDER/ROLL CALL

Committee Chair Jan Garrod called the meeting to order at 1:34 p.m.

Members in attendance were:

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

Mitchell Mariani

James Provenzano

David Vanni

Sheila Barry

Jan Garrod

Trevor Garrod

Robert Long

Sandra Carrico

Peter Van Dyke

Dhruv Khanna*

Members not in attendance were:

Jurisdiction

District 1

District 3

District 4

District 6

Representative

Russ Bonino

William Cilker

Brent Bonino

Tim Chiala

*Committee Members arrived as indicated below.

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: Jennifer Abadilla, Chanie Abuye, Aaron Baker, Neeta Bijoor, Glenna Brambill, Luan Buckley, Justin Burks, Kelia Cisneros, Vanessa De La Piedra, Paola Giles, Vincent Gin, Samantha Greene, Jason Gurdak, Candice Kwok-Smith, Carmen Narayanan, Don Rocha, Ashley Shannon, Kirsten Struve, Darin Taylor, and Greg Williams.

Public in attendance was: James Crowder

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

There was no one present who wished to speak.

3. APPROVAL OF MINUTES

3.1 APPROVAL OF MINUTES

It was moved by Peter Van Dyke, second by Sandra Carrico and carried by unanimous vote approved the July 11, 2022, Agricultural Water Advisory Committee meeting minutes, as presented.

*Dhruv Khanna arrived at 1:38 p.m.

4. ACTION ITEMS:

4.1 DROUGHT EMERGENCY RESPONSE AND WATER SUPPLY UPDATE

Neeta Bijoor reviewed the materials as outlined in the agenda.

The Agricultural Water Advisory Committee discussed the following: reliable water supply, Anderson Dam Tour, and comparison data from U. S. Drought Monitoring Report.

Aaron Baker, Vanessa De La Piedra, and Kirsten Struve were available to answer questions.

The Agricultural Water Advisory Committee took no action.

4.2 RECEIVE INFORMATION ON AGRICULTURE AND GROUNDWATER RECHARGE IN RESPONSE TO THE FARM BUREAU LETTER DATED JULY 7, 2022

Vanessa De La Piedra reviewed the materials as outlined in the agenda

The Agricultural Water Advisory Committee discussed the following: the permeable sediments (sands and gravels), clay layers, recharge, run-off, percolating sites, overlapping farmlands, Drainage Manual open space credit {subsidy}, retention/detention ponds, and water storage {Colorado River}.

Jason Gurdak, Darin Taylor, Kirsten Struve, Director John L. Varela, Director Richard P. Santos, and Aaron Baker were available to answer questions.

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

Glenna Brambill reviewed the materials as outlined in the agenda.

The following items may be considered for the January 9th meeting:

- ✚ Preliminary Groundwater Production Charges
- ✚ Drought Update
- ✚ FloodMAR
- ✚ Agricultural Water Use Baseline Study
- ✚ Information on Proposal to Update the Untreated Surface Water Program

The Agricultural Water Advisory Committee took no action.

5. INFORMATION ITEMS:

5.1 REVIEW FISCAL YEAR 2022-2023 BOARD WORK PLAN

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

Glenna Brambill reported there were no action items for Board consideration.

7. REPORTS

7.1 Director's Report

Director Richard P. Santos stated:

- Working together so that politics align with the farmers' water needs and projects, etc.

Director John L. Varela reported on:

- Water Conservation messaging (outreach)
- Landscape Rebate Program and lawn conversions-drought tolerant plants
- South County Projects Updates
 - Upper and Lower Llagas
 - Tunnel Project
 - Lake Silveira Project is finished (early completion/was on schedule)

Director Nai Hsueh reported further:

On the details of Lake Silveira being a flood protection project

7.2 Manager's Report

Aaron Baker reported on:

- The need of having sustainable water

7.3 Committee Member Reports

Peter Van Dyke reported on:

- Thanked Valley Water for the successful restoration of habitat removal of evasive species

Glenna Brambill introduced new Agricultural Water Advisory Committee Member, Trevor Garrod. Also, explained the process if committee members need to participate via zoom you would need to provide an alternate address (which would be open to the public) the week before the meeting to participate via zoom.

7.4 Informational Link Reports

Links were provided in the Committee's agenda packet.

8. ADJOURNMENT

Committee Chair Jan Garrod adjourned the meeting at 3:02 p.m. to the regular meeting on Monday, January 9, 2023, at 1:30 p. m.

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

Approved:



Santa Clara Valley Water District

File No.: 22-1453

Agenda Date: 1/9/2023

Item No.: 5.1.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Election of Chair and Vice Chair.

RECOMMENDATION:

Elect 2023 Chair and Vice Chair

SUMMARY:

Per the Board Resolution, the duties of the Chair and Vice-Chair are as follows:

The officers of each Committee shall be a Chair and Vice-Chair, both of whom shall be members of that Committee. The Chair and Vice-Chair shall be elected by the Committee, each for a term of one year commencing on January 1 and ending on December 31 and for no more than two consecutive terms. The Committee shall elect its officers at the first meeting of the calendar year. All officers shall hold over in their respective offices after their term of office has expired until their successors have been elected and have assumed office.

The Chair shall preside at all meetings of the Committee, and he or she shall perform other such duties as the Committee may prescribe consistent with the purpose of the Committee.

The Vice-Chair shall perform the duties of the Chair in the absence or incapacity of the Chair. In case of the unexpected vacancy of the Chair, the Vice-Chair shall perform such duties as are imposed upon the Chair until such time as a new Chair is elected by the Committee.

Should the office of Chair or Vice-Chair become vacant during the term of such office, the Committee shall elect a successor from its membership at the earliest meeting at which such election would be practicable, and such election shall be for the unexpired term of such office.

Should the Chair and Vice-Chair know in advance that they will both be absent from a meeting, the Chair may appoint a Chair Pro-tempore to preside over that meeting. In the event of an unanticipated absence of both the Chair and Vice-Chair, the Committee may elect a Chair Pro-tempore to preside over the meeting in their absence.

BACKGROUND:

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.

The Board may also establish Ad-hoc Committees to serve in a capacity as defined by the Board and will be used sparingly.

ATTACHMENTS:

None

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193



Santa Clara Valley Water District

File No.: 22-1454

Agenda Date: 1/9/2023

Item No.: 5.2.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Review and Approve 2022 Annual Accomplishments Report for Presentation to the Board (Committee Chair).

RECOMMENDATION:

- A. Approve the 2022 Accomplishments Report for presentation to the Board; and
- B. Provide comments to the Committee Chair to share with the Board as part of the Accomplishments Report presentation pertaining to the purpose, structure, and function of the Committee.

SUMMARY:

The Accomplishments Report summarizes the committee's discussions and actions to prepare Board policy alternatives and implications for Board deliberation throughout 2022. The Committee Chair, or designee, presents the Accomplishments Report to the Board at a future Board meeting.

The Committee may provide feedback to the Committee Chair, at this time, to share with Board as part of the Accomplishments Report presentation pertaining to the purpose, structure, and function of the Committee.

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: Ag Water 2022 Accomplishments Report

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

Accomplishments Report: Agricultural Water Advisory Committee

Update: December 2022

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		ACCOMPLISHMENT DATE AND OUTCOME
1	Election of Chair and Vice Chair for 2022	January 3		Accomplished January 3, 2022: The Committee unanimously approved Jan Garrod as the 2022 Agricultural Water Advisory Committee Chair and Peter Van Dyke as the 2022 Agricultural Water Advisory Committee Vice Chair.
2	Annual Accomplishments Report	January 3		Accomplished January 3, 2022: The Committee unanimously approved the 2021 Annual Accomplishments Report. <i>The Board received the Committee's presentation at its March 8, 2022, meeting.</i>
3	Quarterly Drought Response Update	January 3 April 4 July 11 November 14		Accomplished January 3, 2022: Accomplished April 4, 2022: Accomplished July 11, 2022: Accomplished November 14, 2022: The Committee received an update on the Drought Response and took no action.
4	Review and Comment to the Board on the Fiscal Year 2022 – 2023 Preliminary Groundwater Production Charges	January 3		Accomplished January 3, 2022: The Committee received a presentation on the Fiscal Year 2022-2023 Preliminary Groundwater Production Charges and took no action.

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1
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Accomplishments Report: Agricultural Water Advisory Committee

Update: December 2022

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE		ACCOMPLISHMENT DATE AND OUTCOME
5	Agricultural Water Use Baseline Study Update	January 3		Accomplished January 3, 2022: The Committee received a presentation on the Agricultural Water Use Baseline Study and took no action.
6	Injection Wells for Groundwater Recharge	January 3		Accomplished January 3, 2022: The Committee received information on the Injection Wells for Groundwater Recharge and took no action.
7	Review of Agricultural Water Advisory Committee Work Plan, the Outcomes of Board Action of Committee Requests and the Committee's Next Meeting Agenda	January 3 April 4 July 11 November 14		Accomplished January 3, 2022: Accomplished April 4, 2022: Accomplished November 14, 2022: The Committee received updates and reviewed the 2022 Board-approved Committee work plan and took no action. Accomplished July 11, 2022: The Committee received updates and reviewed the 2022 Board-approved Committee work plan and took the following action: The Committee unanimously approved asking that the Board consider adding "Request to recognize growers as land-use stewards, contributors to groundwater recharge" to their October agenda for an in-depth discussion. <i>The Board approved the Committee's request at its August 23, 2022, meeting.</i>
8	Standing Items Report Fiscal Year 2022 Goals and Strategies:	January 3 July 11		Accomplished January 3, 2022: Accomplished July 11, 2022: The Committee received the quarterly reports on standing items and took no action.

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1
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Accomplishments Report: Agricultural Water Advisory Committee

Update: December 2022

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE		ACCOMPLISHMENT DATE AND OUTCOME
GOAL	STRATEGY	FY22 FOCUS AREAS		MONITORING COMMITTEE
INTEGRATED WATER RESOURCES MANAGEMENT	Strategy #1 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)
	Strategy #2 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
	Strategy #3 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
GOAL	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 		Recycled Water Committee (RWC)

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1
Page 3 of 11

Accomplishments Report: Agricultural Water Advisory Committee

Update: December 2022

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	ACCOMPLISHMENT DATE AND OUTCOME
	Strategy #4 Advance Anderson Dam Seismic Retrofit Project.	on governance. <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)
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

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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

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. 	Financial Sustainability Working Group (FSWG) Board Audit Committee

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		<ul style="list-style-type: none"> • 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. 	(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

9	Review and Comment to the Board on the Fiscal Year 2022 – 2023 Proposed Groundwater Production Charges	April 4	Accomplished April 4, 2022: The Committee received Review and comment to the Board on the Fiscal Year 2023 Proposed Groundwater Production Charges and took the following action: The Committee unanimously approved staff's report. <i>The Board received the Committee's approval at its May 10, 2022, meeting.</i>
10	Flood-Managed Aquifer Recharge Preliminary Feasibility Study for Santa Clara County	April 4	Accomplished April 4, 2022: The Committee received a presentation on the Flood-Managed Aquifer Recharge Preliminary Feasibility Study for Santa Clara County and took no action.
11	One Water – Upper Pajaro River Watershed Plan – Information on Plan Scope, Overview and Stakeholder Feedback	July 11	Accomplished July 11, 2022: The Committee received a presentation on the One Water – Upper Pajaro River Watershed Plan – Information on Plan Scope, Overview and Stakeholder Feedback and took no action.
12	Receive information on agriculture and groundwater recharge in response to the Farm Bureau letter dated July 7, 2022	November 14	Accomplished November 14, 2022: The Committee received a presentation on agriculture and groundwater recharge in response to the Farm Bureau letter dated July 7, 2022, and took no action.

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13	Review FY2022-2023 Board Work Plan	November 14		Accomplished November 14 , 2022: The Committee reviewed the FY2022-2023 Board Work Plan and took no action.
GOAL		OBJECTIVE	FY23 TACTICS	MONITORING COMMITTEE
INTEGRATED WATER RESOURCES MANAGEMENT “Efficiently manage water resources across business areas.”	<u>Objective #1 Challenge/Opportunity</u> The 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 and causes unplanned outages and failures risking the population of the county. In addition, aging assets are reaching the end of the design life and will require major recapitalization.	<ul style="list-style-type: none">• Develop a Fuel Management Policy to guide the incorporation of wildfire planning efforts in an integrated and programmatic way.• Continue a robust preventive maintenance program including monitoring asset condition and risk.• Strategically plan for larger infrastructure renewal projects through Safe Clean Water Project F8 – Sustainable Creek Infrastructure for Continued Public Safety; Water Treatment Plant, Distribution System, and SCADA Implementation Plans; Watersheds and Water Utility Operations and Maintenance Plans; and various Asset Management Plans.• Advance infrastructure renewal projects identified in strategic planning efforts by initiating new Capital or Small Capital Projects, or by conducting work as part of ongoing operations projects.• Develop comprehensive infrastructure master plans for all water utility treatment plant and distribution infrastructure (e.g. pipelines and pump stations) to plan out 30-year capital investments that meet future regulatory requirements, and fold in projects identified in the Asset Management and Operations & Maintenance Plans.• Expedient execution of the adopted Capital program and projects.	Board Policy and Planning Committee (BPPC) CIP Committee (CIPC)	
	<u>Objective #2 Challenge/Opportunity</u> 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.	<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.•Continue to work with the Regional Water Quality Control Board (RWQCB) under the terms of our memorandum of understanding (MOU) to expedite issue resolution and prevent regulatory overreach.•Collaborate with RWQCB on the Steelhead Regional Temperature Study.	BPPC	
WATER SUPPLY “Provide a reliable, safe, and affordable water supply for current and future generations in all communities	<u>Objective #1 Challenge/Opportunity</u> Half of Santa Clara County’s water supply is imported from outside the county. At this time, when there is a lot of water, Valley Water may not be able to take advantage of these supplies due to limitations in existing storage and transmission infrastructure as well as regulatory constraints. Having a diverse portfolio of storage options helps Valley Water be resilient.	<ul style="list-style-type: none">•Explore opportunities to develop new surface and groundwater storage projects that help Valley Water meet future water supply needs and be resilient to climate change.•Determine level of participation for projects and decisions about partnerships in accordance with the Water Supply Master Plan and water affordability.•Explore partnership opportunities for the Pacheco Reservoir	Water Storage Exploratory Committee (WSEC)	

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served.”	Therefore, Valley Water is evaluating whether diversifying its storage portfolio could help maximize our use of storage and stored water recovery under future conditions. Water storage in reservoirs also provides environmental, recreational, and incidental flood risk reduction benefits. Challenges include determining the appropriate level of participation for Valley Water in collaborative water storage projects and prioritizing projects within funding constraints.	Expansion Project <ul style="list-style-type: none"> •Validate Valley Water’s continued participation in the Pacheco Reservoir Expansion Project during the MAP review process, bi-annual budget development, and following review and certification of the project’s Environmental Impact Report (EIR). 	
	<u>Objective #2 Challenge/Opportunity</u> The Water Supply Master Plan’s “Ensure Sustainability” strategy includes securing existing water supplies and infrastructure. Valley Water’s local and imported water supplies are vulnerable to climate change impacts, droughts, earthquake, and regulatory requirements that may restrict the amount of available water.	<ul style="list-style-type: none"> •Participate in and influence decisions regarding the Delta Conveyance Project. •Participate in regional water supply resilience efforts. •Build and maintain effective partnerships to increase resiliency. •Complete and implement infrastructure master plans and asset management plans. •Partner with the California Department of Water Resources (DWR) to ensure reliability of the South Bay Aqueduct. 	Water Conservation and Demand Management Committee (WCaDMC) (Groundwater) CIPC (infrastructure projects)
	<u>Objective #3 Challenge/Opportunity</u> Recycled and purified water is a drought resilient, locally controlled water supply important to long-term sustainability. The Water Supply Master Plan includes developing up to 24,000 acre-feet per year of purified water by 2040. Purified water is recycled water that has been treated further using reverse osmosis and other advanced treatment to make it fit for drinking. Valley Water is pursuing indirect potable reuse which would use this purified water to replenish our groundwater. Implementation challenges include securing wastewater supply contractual agreements with wastewater agencies, available land, stringent regulatory requirements, and implementation costs.	<ul style="list-style-type: none"> •Implement the first phase of the Purified Water Program, including release of a Request For Proposal (RFP) and enter into a contract for an Indirect Potable Reuse project that is implemented via a Public Private Partnership. •Implement the Countywide Water Reuse Master Plan. •Develop a Comprehensive Water Reuse Agreement for South County to advance water reuse and its production, distribution, and wholesaling in South County. •Continue to actively be involved with the Direct Potable Reuse (DPR) guidance and ensure Valley Water is positioned to implement a DPR project in the future. •Continue collaboration on the Silicon Valley Advanced Water Purification Center including building a strong collaborative relationship with the San José-Santa Clara Regional Wastewater Facility to expand the facility. 	Recycled Water Committee (RWC)
	<u>Objective #4 Challenge/Opportunity</u> 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 expeditiously. This includes the reconstruction of the Dam and completion of the interim risk reduction measures resulting from the February 20, 2020, directive from the Federal Energy Regulatory Commission (FERC).	<ul style="list-style-type: none"> •Maintain the Anderson Reservoir level at the FERC directed level. •Complete the construction on the Anderson Dam Tunnel Project (ADTP). •Complete the design of the ADSRP. •Continue to work with appropriate regulatory agencies to advance the ADSRP. •Release the Draft Environmental Impact Report for the ADSRP. •Obtain all necessary permits for ADSRP construction. •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). 	CIPC Stream Planning and Operations Committee (SPOC)
	<u>Objective #5 Challenge/Opportunity</u> Droughts are a recurring feature of California’s climate	<ul style="list-style-type: none"> •Continue communication and educational outreach to promote Valley Water’s water conservation programs. 	WCaDMC

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	<i>and may intensify with climate change. 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. As Valley Water faces challenges from climate change and drought, water conservation will continue to be amongst the most cost-effective tools for efficiently meeting current and future demands while mitigating droughts.</i>	<ul style="list-style-type: none"> • Increase collaboration with our retailer partners 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. • Develop and implement a Drought Response Plan with support and input from our retailer partners and the broader community to guide short-term behavioral changes during water shortages. 	
NATURAL FLOOD PROTECTION "Provide Natural Flood Protection to reduce risk and improve health and safety."	<u>Objective #1 Challenge/Opportunity</u> <i>Valley Water is challenged to sustain ecosystem health while managing local water resources for flood protection and water supply. By using an integrated approach to planning and designing flood protection planning, there is an opportunity to create projects with multiple benefits.</i>	<ul style="list-style-type: none"> • Make significant progress on One Water plans for the Guadalupe and Pajaro watersheds. • Complete construction of Reaches 1-3 of the Shoreline Phase I Project and pursue funding alternatives for Reaches 4-5 to provide 100-year coastal flood risk management, ecosystem restoration, recreational opportunities, and resiliency for sea level rise. • Complete construction of Phase 2A of the Upper Llagas Flood Protection Project to provide flood protection and habitat enhancement. • Advance the Palo Alto Flood Basin Project into construction, a repair project to ensure a functional flood basin with wetland habitat. • Advance the Sunnyvale East/West Channels Project into construction to provide 100-year storm water flood protection. • Complete the U.S. Army Corps of Engineers Upper Guadalupe River Project General Reevaluation Study to provide 100-year flood protection. • Advance the San Francisquito Creek upstream 101 Project into construction to provide flood protection. • Advance the Coyote Creek Flood Mitigation and Flood Protection Projects into construction to provide flood protection for an event equivalent to the 2017 storm event. 	CIPC BPPC
	<u>Objective #2 Challenge/Opportunity</u> <i>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.</i>	<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 equitability in all regions. • Plan flood risk reduction projects to provide a minimum level of protection countywide. 	CIPC BPPC
ENVIRONMENTAL STEWARDSHIP "Sustain ecosystem health while managing local"	<u>Objective #1 Challenge/Opportunity</u> <i>Valley Water's projects and programs require integrated planning to ensure capital improvements, operations, and maintenance activities are balanced with environmental</i>	<ul style="list-style-type: none"> • 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. • Implement high priority actions included in the Climate Change Action 	BPPC

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<p>water resources for flood protection and water supply."</p>	<p>stewardship goals. Valley Water strives to protect and restore habitats to support native species throughout Santa Clara County.</p>	<p>Plan.</p> <ul style="list-style-type: none"> • Make significant progress on the grant-funded planning study for the San Tomas Aquino Calabazas Creek Realignment Project. • Advance construction for the Bolsa Creek and Hale Creek projects to begin in Summer 2022. • Advance Almaden Lake Improvement Project to begin construction in 2023. • Continue to develop and build on partnerships with environmental organizations and tribal communities when developing projects. 	
	<p><u>Objective #2 Challenge/Opportunity</u> 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.</p>	<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. • Coordinate with the County, cities, and other service providers to try to ensure the permanent removal of homeless encampments from creeks and trails. • 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). 	<p>Environmental Creek Cleanup Committee (ECCC) (SPOC)</p>
	<p><u>Objective #3 Challenge/Opportunity</u> 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, Guadalupe River, and Stevens Creek watershed areas. Challenges include completing the environmental review process, obtaining federal and state permits from multiple regulatory agencies, refining and processing water rights change petitions, the technical complexity of the fisheries impacts analysis, coordination with other ongoing related projects and managing stakeholder expectations.</p>	<ul style="list-style-type: none"> • Finalize the June 2021 Guadalupe River and Stevens Creek Environmental Impact Report (EIR) consistent with existing stakeholder agreement. • Advance 10 water right change petitions for securing water right orders. • Continue to implement the pilot flow program in Guadalupe and Stevens Creek. • Continue to implement feasibility studies, monitoring activities, and Planning and construction of various fish passage improvements as identified in existing stakeholder agreement. • Continue fisheries monitoring program. • Continue to support an adaptive management program that encompasses all three creeks. 	<p>SPOC</p>
<p>CLIMATE CHANGE "Mitigate Carbon Emissions and Adapt Valley Water Operations to Climate Change Impacts."</p>	<p><u>Objective #1 Challenge/Opportunity</u> Valley Water's ability to fulfill its mission will be challenged in the future by warmer temperatures, changing precipitation patterns, reduced snowpack, and rising sea levels. Valley Water has been working on greenhouse reduction efforts since 2008 and many adaptation actions over the past decade; however, with adoption of the Climate Change Action Plan there is an opportunity for greater impact.</p>	<ul style="list-style-type: none"> • Update carbon accounting and establish new emissions reduction goal if needed. • Make significant progress on development of an agency-wide greenhouse gas reduction plan. 	<p>Climate Adaptation and Sustainability Committee (CAASC)</p>
<p>BUSINESS MANAGEMENT "Promote effective management of water supply, flood protection, and environmental</p>	<p><u>Objective #1 Challenge/Opportunity</u> Valley Water is committed to creating and maintaining a diverse, inclusive, and equitable work environment that is devoid of discrimination and harassment and provides equal opportunity employment and advancement. Valley Water aims</p>	<ul style="list-style-type: none"> • Develop and implement a Diversity, Equity and Inclusion Master Plan that institutes best practices to address internal and external disparities and builds an organizational culture that is consistent with the Board's Resolution addressing racial equity, diversity, and inclusion. 	<p>Diversity & Inclusion Ad Hoc Committee (DIAHC)</p>

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<i>stewardship through responsive and socially responsible business services."</i>	<i>to implement the same values in the community through its flood protection, water supply, and environmental stewardship projects, and has an opportunity to serve as a leader for racial equity, diversity, and inclusion throughout the state.</i>	<ul style="list-style-type: none">• Remain committed to environmental justice and the fair treatment and meaningful engagement of all people regardless of race, color, national origin, religion, gender identity, disability status, tribe, culture, income, immigration status, or English language proficiency, with respect to the planning, projects, policies, services, and operations of Valley Water.• Continue to collaborate with external stakeholders that are engaged in developing diversity, equity, and inclusion initiatives and actively participate in and provide leadership for diversity, equity, and inclusion efforts throughout the state.• Advance and foster mutually beneficial partnerships with regional tribal communities.	
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Santa Clara Valley Water District

File No.: 22-1455

Agenda Date: 1/9/2023

Item No.: 5.3.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Review and Provide Comment to the Board on the Fiscal Year 2023-24 Preliminary Proposed Groundwater Production Charges.

RECOMMENDATION:

Review the Fiscal Year 2023-24 Preliminary Proposed Groundwater Production Charges and provide comment to the Board as appropriate.

SUMMARY:

Summary of Preliminary Groundwater Production Charge Analysis:

Staff has prepared a preliminary FY 2023-24 groundwater production charge analysis, which includes one baseline scenario for Board review. Staff is seeking Board input on the preliminary analysis to incorporate into the development of the groundwater production charge recommendation.

The groundwater production charge reflects the benefit of District activities to protect and augment groundwater supplies and is applied to water extracted from the groundwater basin in Zones W-2, W-5, W-7, and W-8. Zone W-2 encompasses the Santa Clara groundwater subbasin north of Metcalf Road or the North County. Zone W-5 overlays the Llagas subbasin from northern Morgan Hill south to the Pajaro River. Zone W-7 overlays the Coyote Valley south of Metcalf Road to northern Morgan Hill, and W-8 encompasses the area below Uvas and Chesbro Reservoirs.

The groundwater production charge recommendation will be detailed in the Annual Report on the Protection and Augmentation of Water Supplies that is planned to be filed with the Clerk of the Board on February 24, 2023. The public hearing on groundwater production charges is scheduled to open on April 11, 2023. It is anticipated that the Board would set the FY 2023-24 groundwater production charges by May 9, 2023, that would become effective on July 1, 2023.

The FY 2023-24 groundwater production charge and surface water charge setting process will be conducted consistent with the District Act, and Board resolutions 99-21 and 12-10.

Water Usage Trend

District managed water use for FY 2021-22 is estimated to be approximately 220,800 acre-feet (AF), roughly 11,500 AF lower than budgeted due to drought conditions and the Board's call for 15%

mandatory conservation compared to 2019. In response to the ongoing drought, water use is budgeted for FY 2022-23 at a low of 192,100 AF. In FY 2023-24 and beyond, water usage has been adjusted based on trends from the last drought (2014-2017) returning to “normal” water use is projected by FY 2025-26. Water usage is projected around 205,000 AF for FY 2023-24.

Staff are carefully monitoring monthly water use actuals and working closely with the water retailers during the drought and will continue to do so during the upcoming rate setting process, modifying the water usage forecast as necessary.

Groundwater Production Charge Projections

Staff has prepared an initial baseline groundwater production charge projection scenario for Board review. The agricultural groundwater production charge is equal to 10% of the Zone W-8 Municipal & Industrial (M&I) rate. The preliminary groundwater production charge analysis includes an 8% increase in the FY 2023-24 M&I groundwater production charge for Zone W-8. Notably this projected increase is consistent with prior year long-term projections. This translates to a groundwater production charge of about \$39.80 per acre foot for agricultural use.

Staff has prepared the following baseline scenario for Board consideration:

Scenario 1) Baseline:

This scenario includes the following projects and assumptions:

- Agricultural rates remain set at 10% of lowest M&I rate
- Conservation: 15% achieved by FY 2022-23, returning to prior projections by FY 2025-26
- Anderson Reservoir leveraging WIFIA loans (up to 49% of total project cost [TPC])
- Pacheco Reservoir Expansion Project (PREP) with \$504M Proposition 1 grants, WIFIA loans (up to 49% of TPC) and Partnership Participation at 35% of TPC
- Purified Water Expansion operational by FY28, assumes 100% debt financed by P3 entity
- Los Vaqueros (Transfer Bethany Pipeline) with up to 50 kAF storage
- Delta Conveyance SWP portion at 3.23%
- Ongoing, additional emergency water supply purchases in FY2023-24 and FY 2024-25 (\$28.3M total)
- Leverage existing reserves (around \$50M total from FY 2023-24 and FY 2024-25)

In addition to the baseline scenario outlined above, Staff anticipates preparing several scenarios for Board consideration, including an extended drought scenario and scenarios reflecting a range of assumptions for the Pacheco Reservoir Expansion Project and the Purified Water Program. Staff can model additional scenarios for the Board as needed.

Other Assumptions

All scenarios assume Water Utility operations cost of \$269.9M in FY 2023-24 versus the FY 2022-23 adopted budget of \$264.7M.

The preliminary analysis does not include unfunded capital projects or additional unfunded operations cost needs identified by staff.

Open Space Credit

The Valley Water Board has historically recognized that agriculture brings value to Santa Clara County in the form of open space and local produce. To help preserve this value, the District Act limits the agricultural charge to no more than 25% of the M&I charge. (However, in *City of San Buenaventura v. United Water Conservation District*, the California Supreme Court recently struck down as unconstitutional a similar limitation on agricultural water charges as compared to M&I charges contained in the Water Conservation District section of the Water Code.) In 1999, to further its support for agricultural lands, the Board put a policy in place to further limit the agricultural groundwater production charge to no more than 10% of the M&I charge.

The agricultural community currently benefits from low groundwater charges that are equivalent to about 2% of M&I charges in North County Zone W-2, 7% of M&I charges in South County Zone W-5, 6% of M&I charges in South County Zone W-7, and 10% of M&I charges in South County Zone W-8. According to Section 26.1 of the District Act, agricultural water is defined as “water primarily used in the commercial production of agricultural crops or livestock.”

The credit to agricultural water users has become known as an “Open Space Credit.” It is paid for by fungible, non-rate related revenue. To offset lost revenue that results from the difference between the adopted agricultural groundwater production charge and the agricultural charge that would have resulted at the full cost of service, Valley Water redirects a portion of the 1% ad valorem property taxes generated in the Water Utility, General and Watershed Stream Stewardship Funds.

A PowerPoint presentation will be provided at the meeting.

ATTACHMENTS:

Attachment 1: PowerPoint Presentation

UNCLASSIFIED MANAGER:

Darin Taylor, 408-630-3068

Preliminary FY 2023-24 Groundwater Production Charges

Presented by: Carmen Narayanan, Financial Planning & Revenue Manager
Agricultural Water Advisory Committee, January 9, 2023

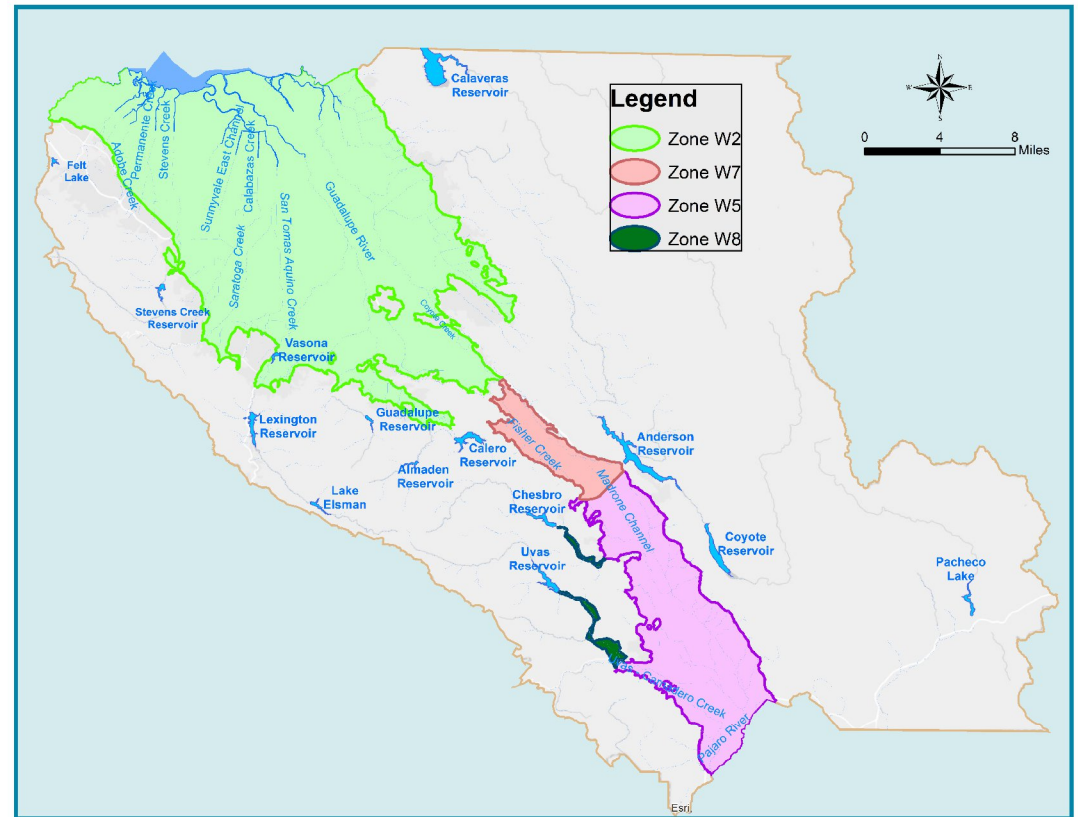


Topics

1. Background Information on Groundwater Charge Zones & Board's Pricing Policy
2. Rate Setting Scenarios for FY 2023-24
3. Water Usage Projections
4. Preliminary Groundwater Production Charges
5. Schedule & Summary

Resolution 99-21 is the Board's Pricing Policy

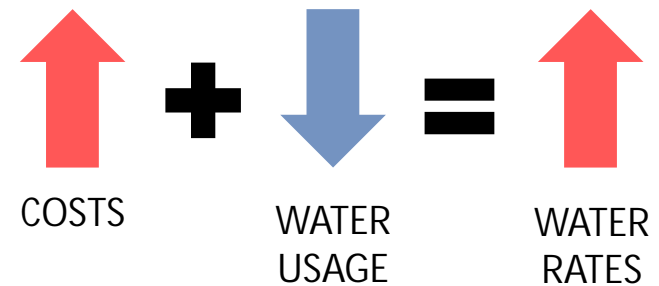
- Groundwater charges are levied within a zone for benefits received
- All water sources and water facilities contribute to common benefit within a zone regardless of cost, known as “pooling” concept
 - Helps maximize effective use of available resources
- Agricultural water charge shall not exceed 10% of M&I water charge



Drought Impact

Ongoing Drought Puts Pressure on Water Rates:

- O&M Costs up
 - Emergency Water Purchases
 - Conservation activities
- Water Usage down
 - Results in lower revenue to pay for highly fixed cost structure



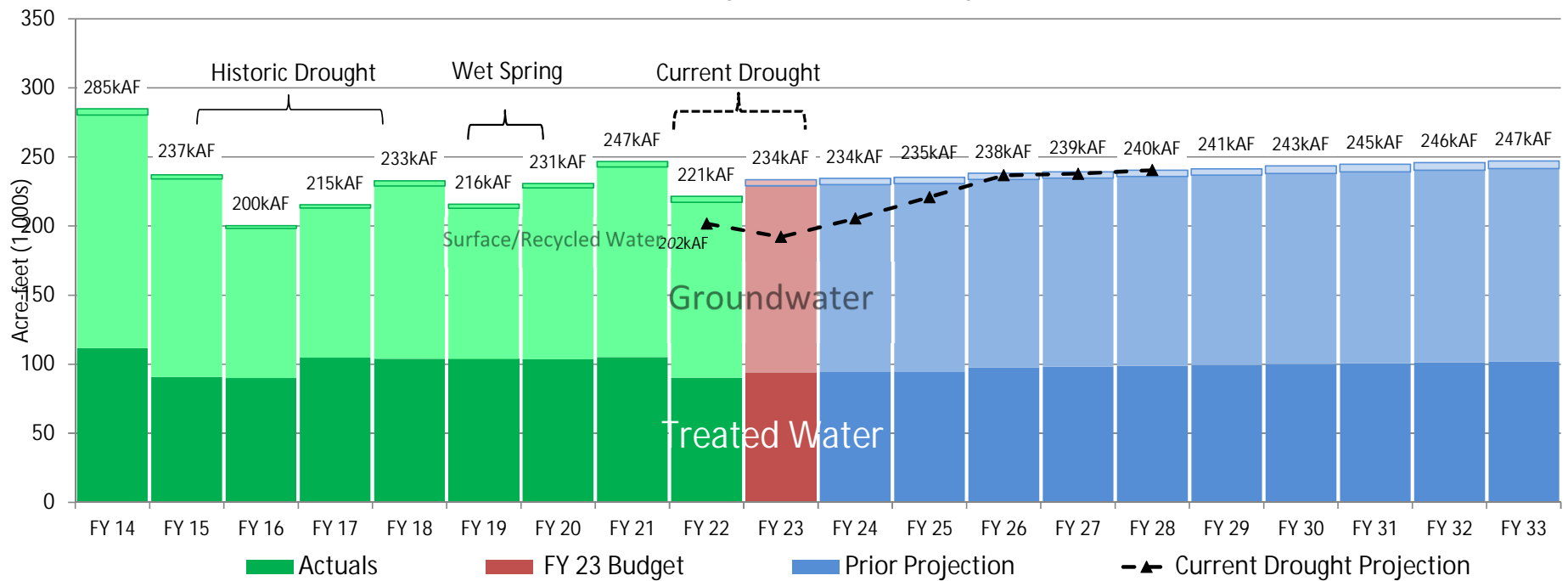
Continued Measures to Soften Water Rate Impact:

- Draw down reserves in FY 24
 - Rate Stabilization & Supplemental Water
- Spread drought impact over multiple year rate projection to extent possible
 - Debt service coverage & minimum reserve balances are limiting factor

District Managed Water Usage

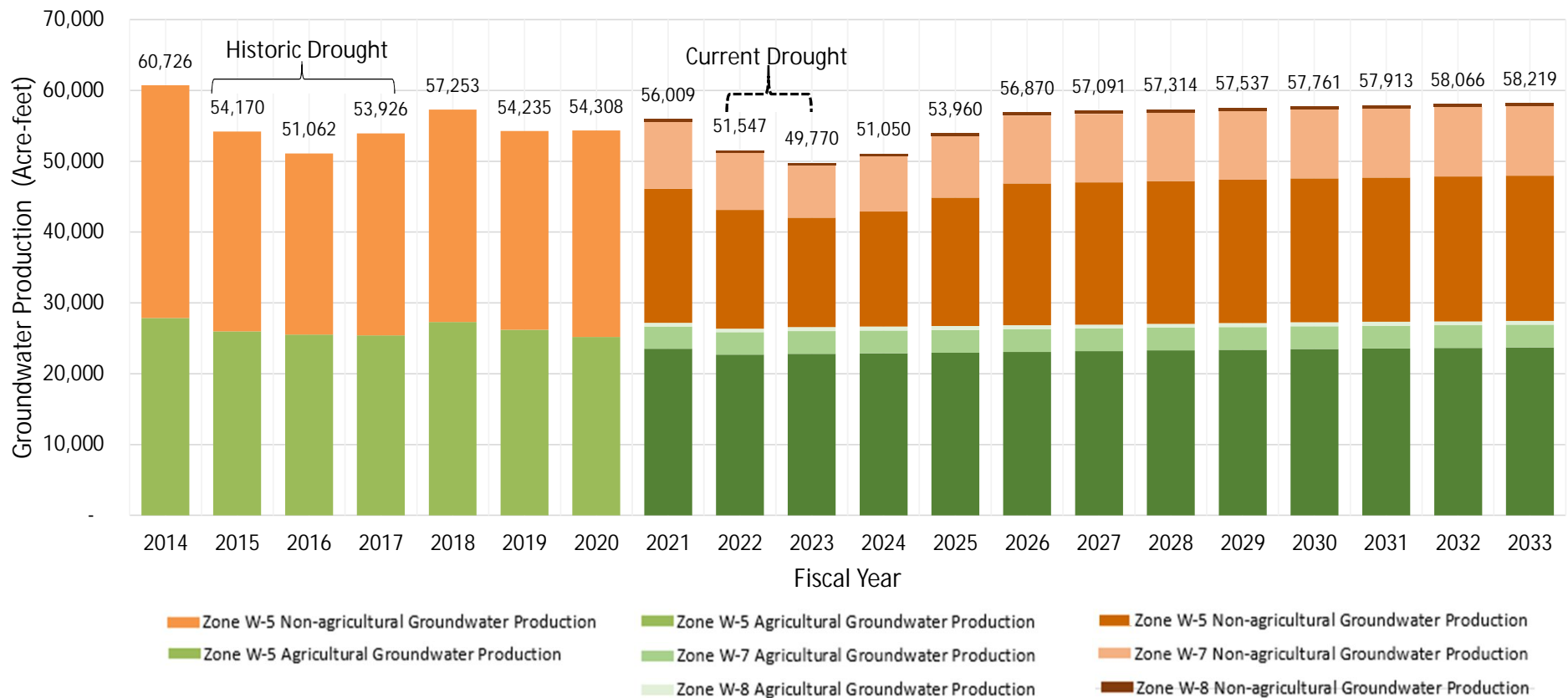
Reflects Impacts of Current Drought

Water Usage (District Managed)



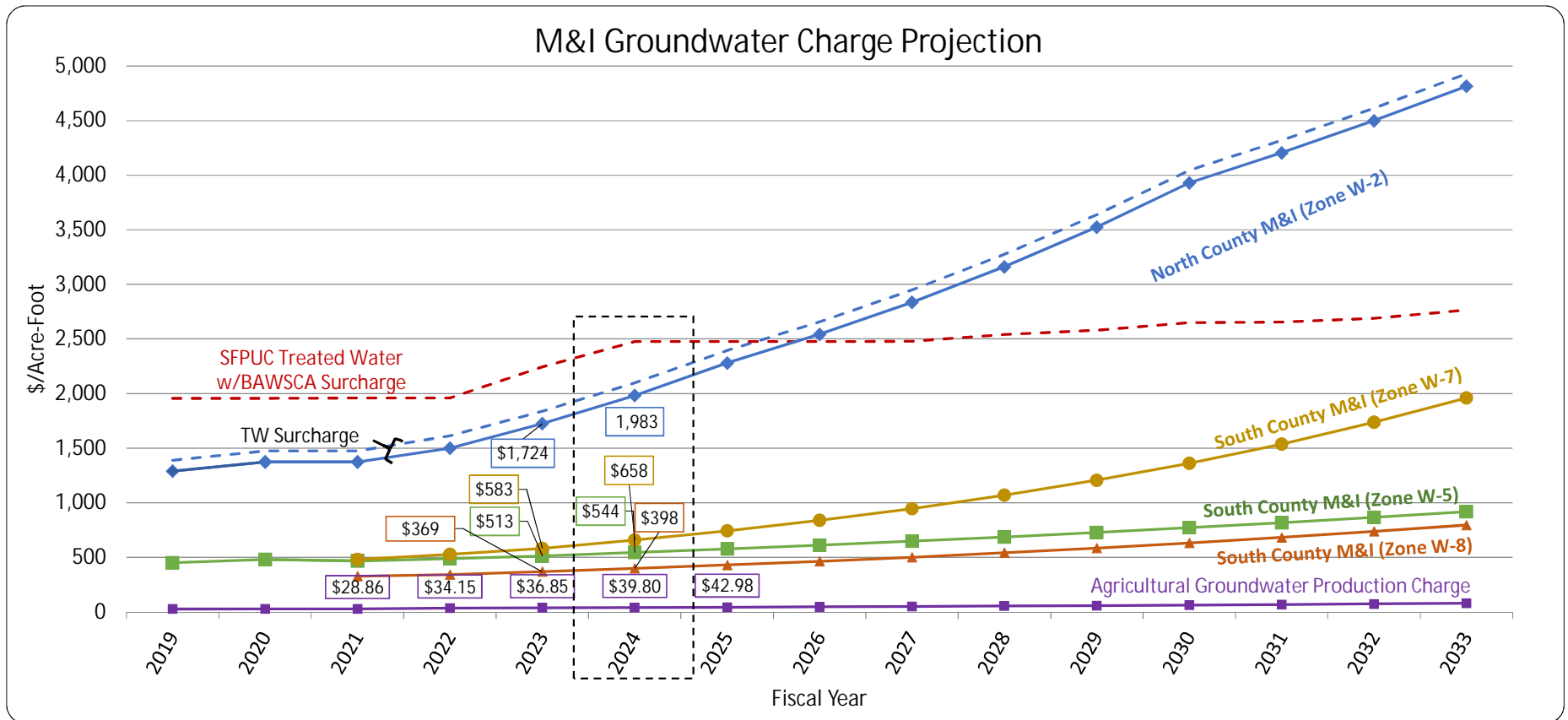
District Managed Water Usage – Agricultural Use by Zone

Reflects Impacts of Current Drought



Preliminary Groundwater Production Charge Projection

Baseline Scenario



FY 2023-24 Preliminary Groundwater Production Charge Projection

Municipal & Industrial Rate by Zone	FY 2022-23 GW Production Charge	FY 2023-24 Preliminary GW Production Charge	% Increase	Increase to Average Monthly Bill (1,500 CCF/month)
North County W-2	\$1,724.00	\$1,983.00	15.0%	\$8.91
South County W-5	\$513.00	\$544.00	6.0%	\$1.06
South County W-7	\$582.50	\$658.00	12.9%	\$2.59
South County W-8	\$368.50	\$398.00	8.0%	\$1.02
Agricultural	\$36.85	\$39.80	8.0%	\$0.49*



* Assumes Agricultural users who pump 2 AF per acre per year

Rate Setting Strategy for FY 2023-24

FY 24 Baseline Case Assumptions

- Ongoing Response to Drought
 - Mandatory 15% call for conservation compared to 2019 (achieved in FY23)
 - Emergency Water Supply Purchases continue in FY24 with FY25 as a recovery year
- Minimize Rate Impacts of Drought: Leverage available reserves: draw downs continue in FY24 & FY25
- Agricultural Rate remains set at 10% of lowest M&I rate
- Pacheco Reservoir Expansion with 35% Partner Funding Participation & WIFIA loans
- Anderson Seismic Dam Retrofit leveraging WIFIA loans
- SWP Tax pays for 100% of SWP costs (excludes SWP portion of Delta Conveyance)
- Delta Conveyance SWP portion at 3.23%
- Purified Water Expansion via P3 with operations beginning in FY28
 - Assumes 100% debt financing through P3 entity
- Los Vaqueros (Transfer Bethany Pipeline) plus up to 50KAF storage

Rate Setting Schedule FY 2023-24

- Jan 9 Ag Water Advisory Committee
- Jan 10 Board Meeting: Preliminary Groundwater Charge Analysis
- Jan 18 Water Retailers Meeting: Preliminary Groundwater Charge Analysis
- Jan 23 Water Commission Meeting: Prelim Groundwater Charge Analysis
- Feb 7 Board Meeting: Set time & place of Public Hearing
- Feb 24 Mail notice of public hearing and file PAWS report
- Mar 7 Board Meeting: Budget development update
- Mar 15 Water Retailers Meeting: FY 24 Groundwater Charge Recommendation
- Apr 3 Ag Water Advisory Committee
- Apr TBD Water Commission Meeting
- Apr 11 Open Public Hearing
- Apr TBD Continue Public Hearing in South County
- Apr 25 Conclude Public Hearing
- Apr 26-27 Board Meeting: Budget work study session
- May 9 Adopt budget & groundwater production and other water charges



Summary



COMMITTEE ACTIONS TODAY

1. Review and Comment to the Board on the Fiscal Year 2023-24 Preliminary Groundwater Production Charges



Valley Water

Clean Water • Healthy Environment • Flood Protection



Santa Clara Valley Water District

File No.: 22-1456

Agenda Date: 1/9/2023

Item No.: 5.4.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Drought Emergency Response and Water Supply Update.

RECOMMENDATION:

Receive Drought Emergency Response and Water Supply Update.

SUMMARY:

Drought Conditions

On June 9, 2021, the Board adopted Santa Clara Valley Water District (Valley Water) Resolution 21-68 which declared a water shortage emergency condition pursuant to California Water Code §350, called for water use reduction of 15% compared to 2019, and urged the County of Santa Clara (County) to proclaim a local emergency. The County ratified its proclamation of a drought emergency on June 22, 2021. Valley Water Resolution 22-20 amended Valley Water Resolution 21-68 on April 12, 2022, to call for no more than 2 days of irrigation in a week for ornamental lawns and prohibit excessive runoff, midday irrigation, and irrigation after rainfall. On May 24, 2022, the Board pursuant to Water Code §375 adopted Ordinance 22-02 to enforce these restrictions. Ordinance 22-02 went into effect on June 1, 2022, and was amended on September 13, 2022, to include the State's watering ban on watering non-functional turf at Commercial, Industrial, and Institutional (CII) properties.

In 2022, Santa Clara County (County) and the State of California experienced the driest January, February and March on record. Valley Water's Federal and State imported water allocations were drastically reduced to historic lows in 2021 and 2022. On March 28, 2022, Governor Gavin Newsom issued Executive Order N-7-22 to call on local water suppliers to move to at least Stage 2 of their water shortage contingency plans.

The U.S. Drought Monitor Report from December 15, 2022, indicates that the county is primarily in severe drought, with the eastern edge in extreme drought. Rains since October 2022 are helping increase local water supplies, though the county's drought status has not changed. The northern Sierra Nevada snowpack, a primary source of Valley Water's imported water, has been improving and is above average as of December 19, 2022. Staff will provide updates regarding latest drought conditions.

Groundwater levels have stabilized in much of the county and continue to increase in many areas due to Valley Water's managed recharge operations and ongoing water conservation by the community. With drought conditions expected to continue, water use reduction is essential to

minimize the risk of resumed subsidence in North County and wells going dry, particularly in South County. The risk of dry wells and subsidence increases as the drought persists. Conservation is an important strategy to help reach the Board's 15% call for water use reduction and mitigate against negative impacts.

Water Conservation Outreach and Programs

Our water conservation campaigns continue with tips for saving water and messaging to dial back on irrigation during winter. Valley Water is also promoting our landscape, irrigation and graywater rebates, outdoor water surveys and free water conservation tools available in our online shopping cart.

Valley Water is also running an ad campaign on the ban on watering ornamental turf by industrial, institutional and commercial facilities. Ads run on audio and video streaming platforms, digital, social media, newspapers, and supermarket shopping carts. Our monthly newsletter continues to feature water conservation tips and resources.

In October, Valley Water concluded its series of educational water conservation webinars hosted online for the general public. The series will resume in spring 2023.

Staff submits a column on behalf of Chair Pro Tem Varela to the Santa Clara Valley Farm Bureau every other month. These columns focus on water supply and agriculture issues in South County, including the drought emergency and the need for conservation.

Valley Water Directors and staff continue to deliver drought speakers bureau presentations both in person and via Zoom.

Water conservation program participation decreases during winter months. However, Valley Water is continuing to see high participation rates in water conservation programs as compared to previous years.

Countywide Water Use Reduction

Valley Water's water savings call of 15% compared to 2019 was exceeded in July, August and October 2022, with countywide savings of 16% compared to 2019 water use. Our water conservation programs, our enforcement program launched in June, and our increased public outreach have all been effective in helping us achieve these savings. Santa Clara County's cumulative water savings from June 2021 - October 2022 is 7%, compared to 2019.

Water Waste Enforcement

Valley Water's Water Waste Program is continuing its educational mission while enforcing mandatory outdoor water use restrictions. Valley Water is addressing these complaints and coordinating with water retailers and municipalities on enforcement efforts. Over 1,800 water waste complaints were received since the enforcement program was launched in June. Enforcement has been successful as there have been only 7 complaints of water waste following the first complaint, which suggests that

people are addressing their water waste following the first complaint.

ATTACHMENTS:

Attachment 1: PowerPoint Presentation

Attachment 2: November Drought Response Report

UNCLASSIFIED MANAGER:

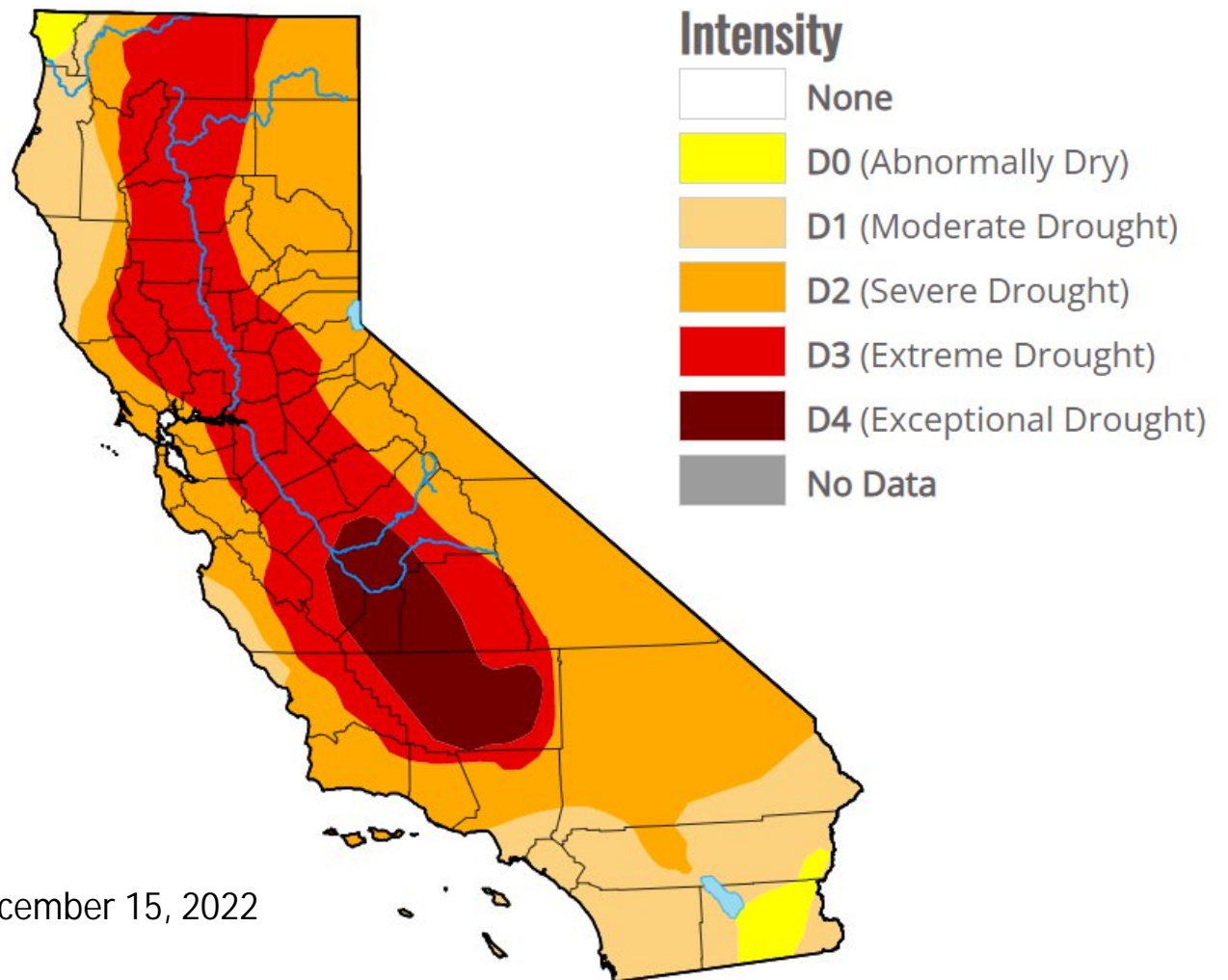
Kirsten Struve, 408-630-3138



Drought Emergency Response and Water Supply Update

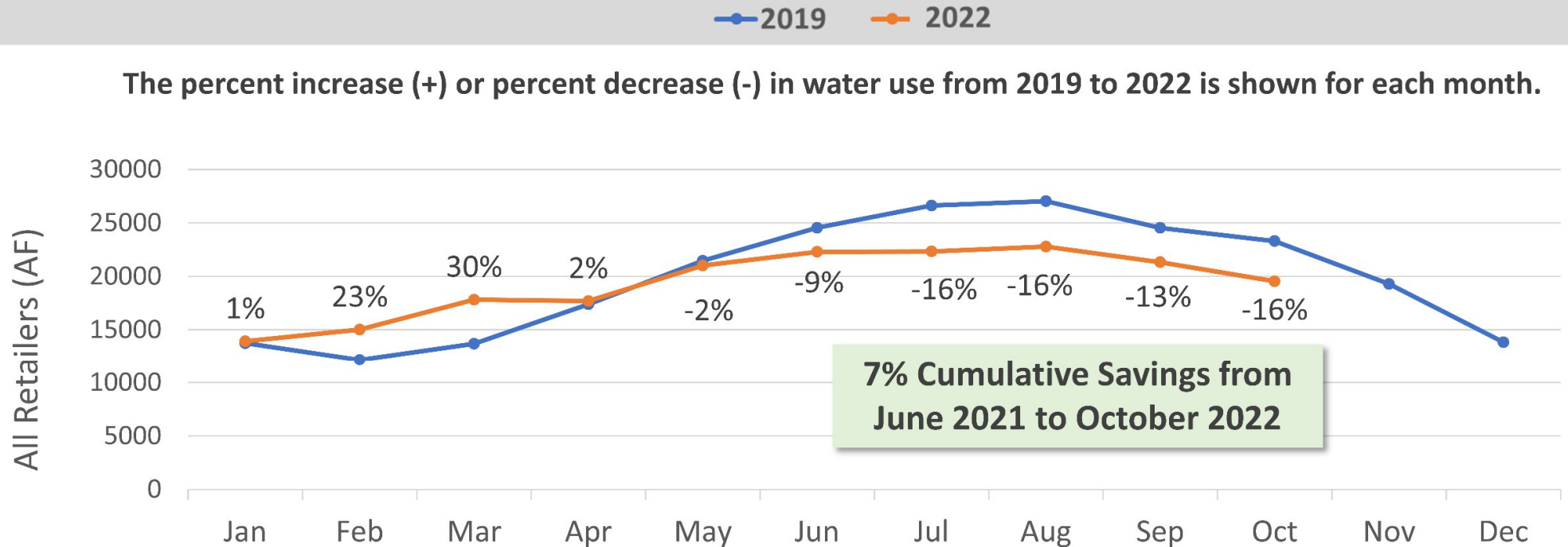
Agricultural Water Advisory Committee
January 9, 2023

Drought Status



Data source: U.S. Drought Monitor, December 15, 2022

Countywide Water Savings



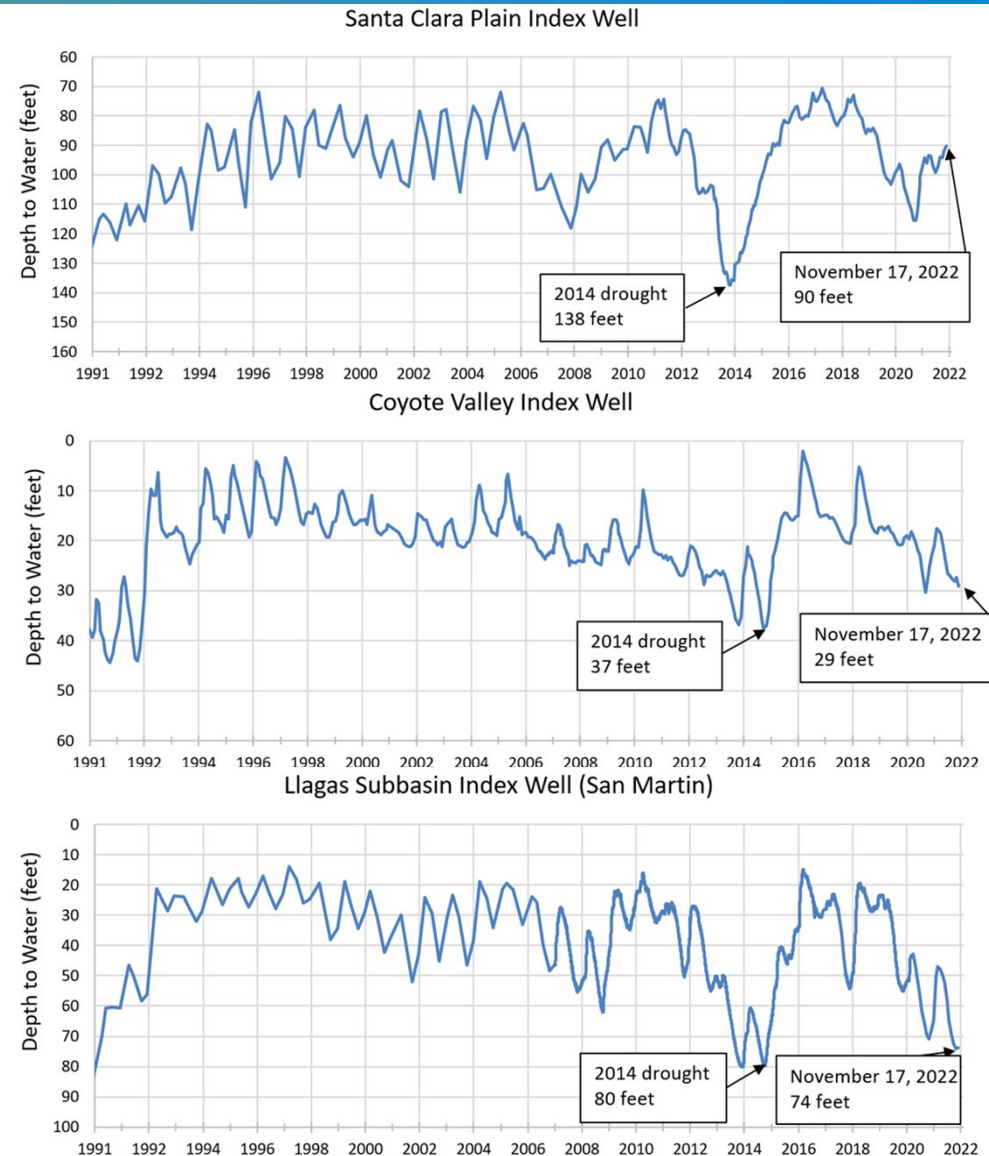
Historically Low Imported Water Allocations*

- State Water Project - 5% and minimum Human Health and Safety needs
- Central Valley Project - Public Health and Safety only, 0% for Ag
- Semitropic water bank withdrawals
- Emergency transfers

*Initial 2023 State Water Project allocation is 5% with possibility of additional water for Human Health and Safety

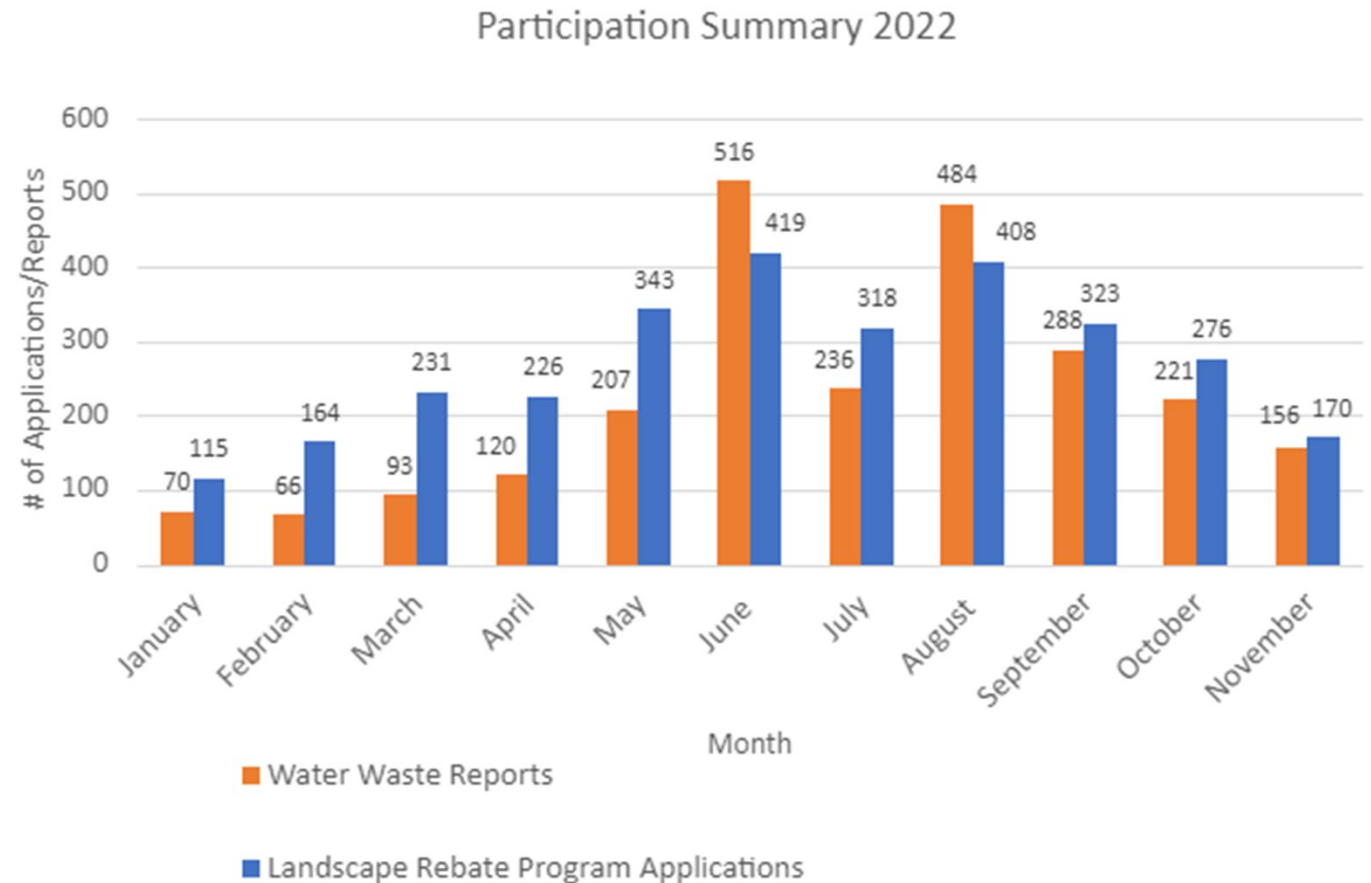
Groundwater

- Managed recharge near normal in 2022
- Water levels have stabilized in much of county
- South County water levels remain above 2014 levels



Water Conservation

- Participation decreasing with winter
- E-cart
 - Over 10,000 orders



Drought and Conservation Outreach

- Messaging on TV, radio, print, social media, and more
- Sports partnerships videos
- Rain preparedness social media
- Educational outreach
- Speakers Bureau presentations
- Farm Bureau Outreach



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Drought Emergency Response Report

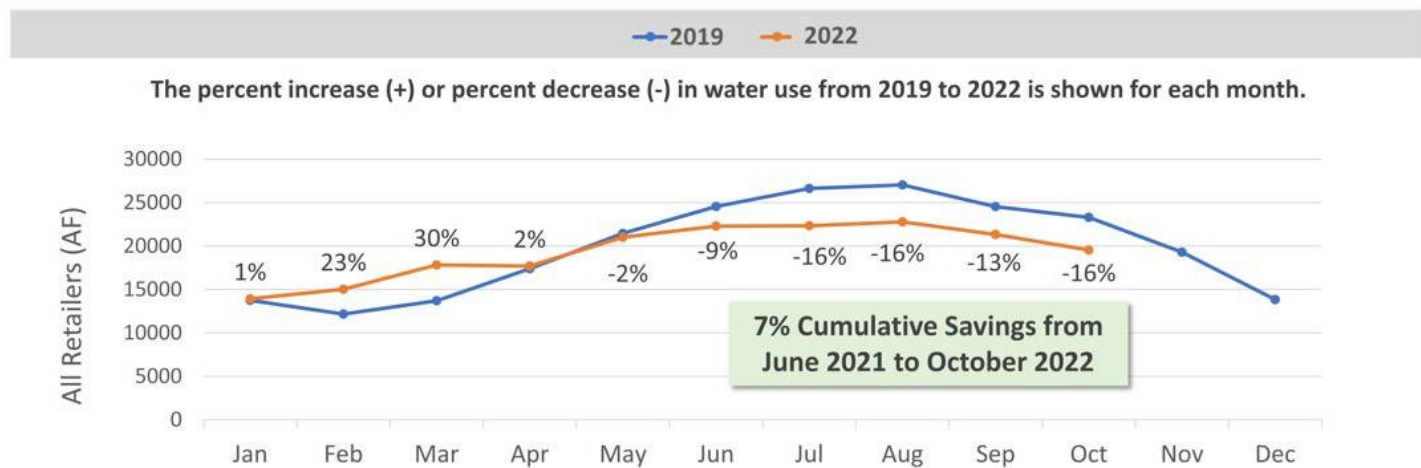
NOVEMBER 2022

Drought Resolution Implementation

On June 9, 2021, the Board adopted Valley Water Resolution 21-68 which declared a water shortage emergency condition pursuant to California Water Code §350, called for water use reduction of 15% compared to 2019, and urged the County of Santa Clara (County) to proclaim a local emergency. The County adopted a Resolution ratifying the proclamation of a local emergency due to the drought on June 22, 2021. California’s Governor included Santa Clara County as part of a drought emergency proclamation on July 8, 2021, and this proclamation included all California counties on October 19, 2021. Valley Water activated its Emergency Operations Center (EOC) on June 16, 2021 to assist with resolution implementation and other drought-related efforts. Valley Water Resolution 22-20 amended Valley Water Resolution 21-68 on April 12, 2022 to call for no more than 2 days of irrigation in a week for ornamental lawns and prohibit excessive runoff, midday irrigation, and irrigation after rainfall. On May 24, 2022, the Board approved Ordinance 22-02 to enforce these restrictions. The ordinance went into effect on June 1, 2022. On September 13, the Board amended Ordinance 22-02 to include the State’s ban against watering commercial, industrial, and institutional (CII) non-function turf amongst its list of enforceable restrictions.

Retailer Water Use Reduction

The graph below depicts total water use from the 13 retailers in Santa Clara County to help track progress towards achieving Valley Water’s 15% call for water use reduction made in June 2021.



- Valley Water exceeded its water savings target in October 2022. Countywide water savings were 16% in October 2022 compared to October 2019.
- Valley Water continues its conservation and drought-messaging with the “Say Yes to Saving Water” campaign. The multilingual, multi-platform campaign encourages residents, businesses, farms, and others to follow watering restrictions and take actions, both large and small, that can increase water savings.

- The following table shows countywide water savings compared to 2019 (Valley Water’s baseline for conservation) and 2020 (Governor’s baseline for conservation).

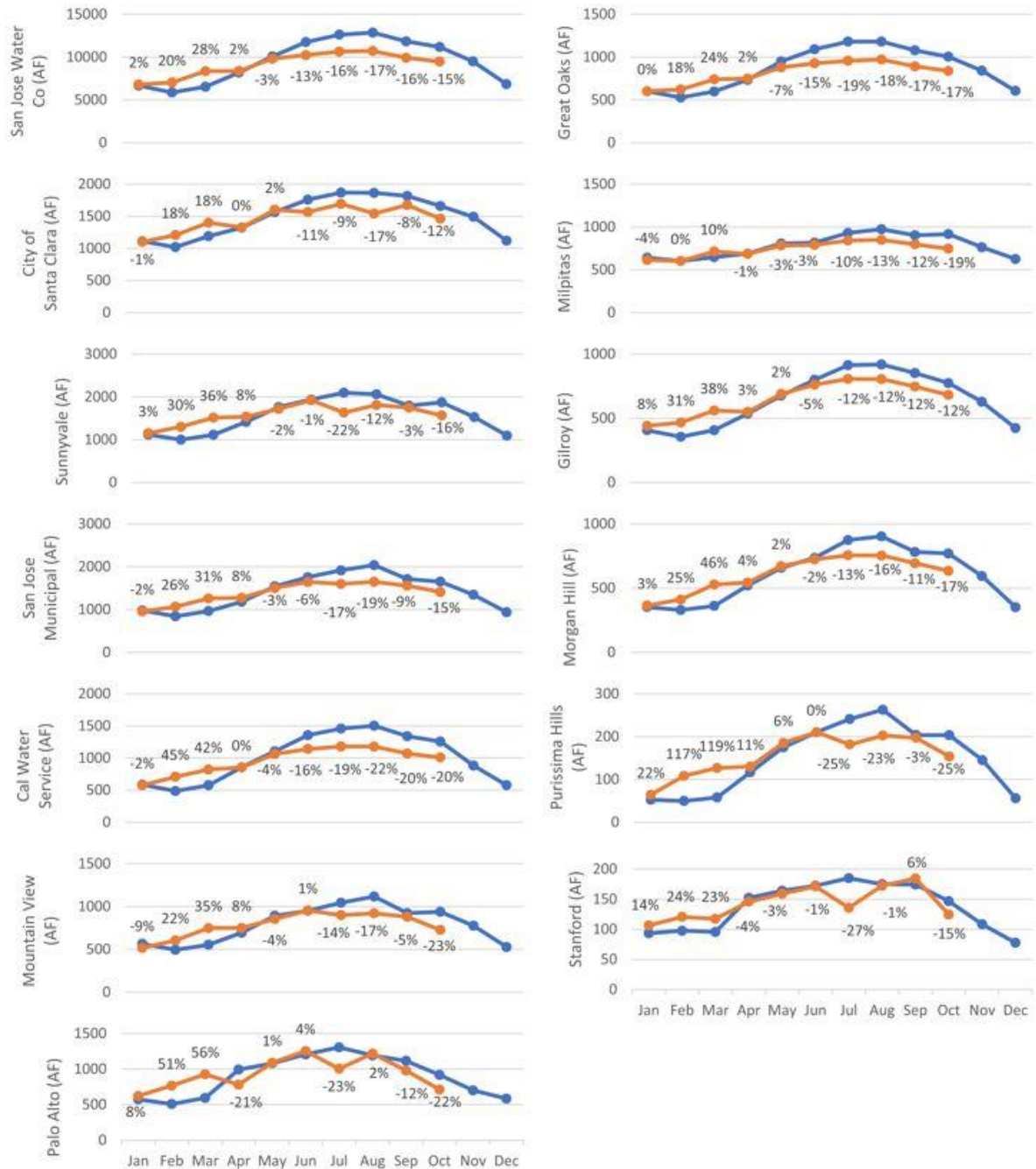
	Santa Clara County		California
Baseline Year	2019	2020	2020
October 2022 Savings	16%	17%	13%
Cumulative*	7%	11%	5%
* Cumulative for 2019 baseline begins in June 2021 and for 2020 baseline begins in July 2021			

The graphs below depict water use by each of Valley Water’s 13 retailers to help track progress towards achieving the 15% call for water use reduction made in June 2021. Note that City of Palo Alto Utilities (Palo Alto) and Purissima Hills Water District (Purissima) normally do not use Valley Water sources of water. A large proportion of water used by the City of Mountain View Public Works (Mountain View) and Stanford Utilities (Stanford) is not from Valley Water sources.

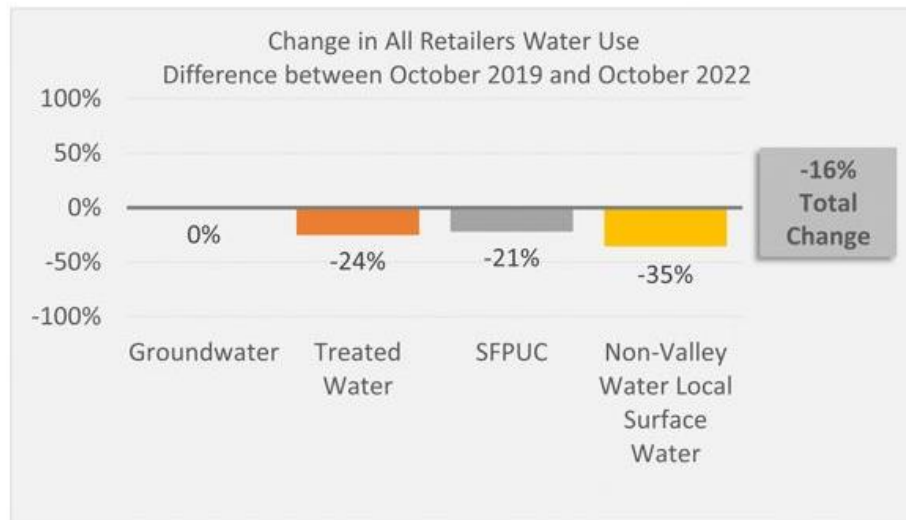
Monthly Water Use by Retailer (AF)

— 2019 — 2022

The percent increase (+) or percent decrease (-) in water use from 2019 to 2022 is shown for each month.



The graph below depicts changes between the retailers' different types of water use. As expected, the proportion of groundwater use tends to increase during drought.



The table below shows Valley Water retailers' water usage volumes by type.

Water Retailer	Total Water Use in Acre-Feet (October 2019)					Total Water Use in Acre-Feet (October 2022)				
	Groundwater	Treated Water	SFPUC	Non-Valley Water Local Surface Water	SUM	Groundwater	Treated Water	SFPUC	Non-Valley Water Local Surface Water	SUM
San Jose Water Company	3,940	6,630	-	620	11,190	4,070	5,000	-	400	9,480
Santa Clara, City	860	460	350	-	1,660	880	320	270	-	1,460
Sunnyvale	10	910	960	-	1,870	20	770	780	-	1,560
San Jose Municipal Water	100	1,100	460	-	1,650	70	970	370	-	1,410
California Water Service	210	1,050	-	-	1,260	470	540	-	-	1,010
Palo Alto	-	-	920	-	920	-	-	710	-	710
Mountain View	20	100	810	-	940	10	80	640	-	730
Great Oaks	1,000	-	-	-	1,000	840	-	-	-	840
Milpitas	-	360	550	-	920	-	330	410	-	750
Gilroy	770	-	-	-	770	680	-	-	-	680
Morgan Hill	770	-	-	-	770	640	-	-	-	640
Purissima Hills Water	-	-	200	-	200	-	-	150	-	150
Stanford	-	-	150	-	150	-	-	120	-	120
Total	7,680	10,610	4,400	620	23,300	7,670	8,010	3,450	400	19,540

Collaboration with the County, Retailers, and Cities

- As of November 30, 2022, 14 cities in Santa Clara County have implemented a maximum two-day irrigation schedule, including five cities that have taken additional formal action to their elected boards in response to the ongoing drought emergency and Valley Water's Amended Resolution 22-20. Of the current jurisdictions that have implemented a two-day irrigation schedule, one city has further restricted outdoor watering to one-day-a-week, effective through February, under its current Level 4 Water Supply Shortage declaration.
- In November, Valley Water continued to monitor actions related to the adoption of the Model Water Efficient New Development Ordinance (MWENDO), as part of ongoing efforts to support cities' and the County's interests in expanding water efficiency measures. Currently, the County and several cities are considering select

MWENDO measures for adoption and may include as part of their jurisdictions' Title 24 triennial building code update. The 2022 version of California's Title 24 is effective January 1, 2023.

Water Conservation Programs

Valley Water is actively promoting ways our community can save water through rebates, free water-saving devices, and behaviors. The Shopping Cart (eCart) Program offers free water-saving devices to homes and businesses. The Landscape Rebate Program (LRP) provides rebates for converting high-water use landscapes to low-water-use landscapes, as well as retrofitting existing irrigation equipment with approved high-efficiency irrigation equipment. As expected, application submittal rate, though higher than non-drought years, continues to decrease as we move into winter. Also, the November DIY Lawn Busters workshop, in partnership with local non-profit Our City Forest, had 5 volunteers in attendance to learn how to convert a resident's turfgrass lawn into a low-water landscape.

Estimated conservation program applications received are shown below.

Program	September	October	November
Landscape Rebate Program Applications	323	276	170
Water-saving Device Orders	530	278	218

Water Waste Enforcement

Valley Water began enforcing outdoor water waste restrictions against runoff, midday watering, and watering after rainfall, and a limit of two days a week of watering for non-functional turf on June 1, 2022. On September 13, 2022, Valley Water's Board of Directors amended the Ordinance 22-02 to allow Valley Water to enforce the State of California's ban against watering non-functional turf on commercial, industrial, and institutional properties. The Water Waste Program is enforcing these restrictions while continuing its educational mission. The number of water waste reports since program launch in June 2022 is shown below.

	June	July	Aug	Sept	Oct	Nov
Water Waste Reports	515	236	484	286	221	156

Complaints of violations against water waste restrictions are submitted by members of the public. A total of 156 water waste complaints were received in November 2022. Fifty-eight of the complaints received are enforceable, as they relate to the restrictions listed in Ordinance 22-02 and occurred in service areas supplied by Valley Water sources; the remaining are not enforceable but are addressed through education. Each complaint may include multiple reports of violations against water waste restrictions. Below is a breakdown of the numbers of reported water waste violations related to the restrictions listed in Ordinance 22-02. Not all violations are verified by staff to be occurring, such as those related to watering after rainfall. Seven repeat complaints on the same violation were received from enforcement program launch through the end of November.

Enforceable Water Waste Violations	June	July	Aug	Sept	Oct	Nov
More than 2 days of watering per week	76	39	113	83	54	26
Watering from 9AM-6PM	84	30	92	45	29	14
Watering within 48 hours of rainfall	11	4	3	21	4	19

Runoff	199	95	210	129	118	46
Watering CII non-functional turf	n/a	n/a	n/a	15	38	18

Drought and Water Conservation Outreach

- In November, a media event was held at Sacred Heart Community Service promoting the Low-Income Water Rate Assistance Program (WRAP). Chair Pro Tem John L. Varela and Assistant Chief Executive Officer Melanie Richardson discussed the importance of assisting the community during times of drought when rates often see an increase due to dwindling water supplies. Streamed live on Valley Water's Facebook channel, the event was attended by NBC Bay Area, ABC7, Telemundo and Univision. A press release highlighting September's water-use numbers and ways to conserve water heading into the wet season sparked media interest with staff providing interviews to KTVU, Univision and KCBS.
- Staff launched a winter water conservation campaign promoting our animation series. Designed for social media use, staff developed a new graywater animation as well as one asking residents to dial back on irrigation. Staff also highlighted a partner toolkit that was shared with retailers. Extending our conservation campaign year-round for the first time, popular videos of landscape rebate success stories are being re-shared on social media, google ads and streaming services.
- The third "Say Yes to Saving Water" public service announcement involving local professional sports teams was published on Valley Water's social media channels and will soon be running on television, radio and streaming services. The video features San Jose Sharks player Logan Couture asking everyone to make a difference in their community by Saying Yes to Saving Water.
- Staff began sharing social media posts reminding Santa Clara County residents and businesses to turn off their sprinkler systems during and 48 hours after rain events. Staff also shared an update on the status of the percolation ponds, which have been emptied after recharging our county's groundwater supply.
- Valley Water's Conservation Quiz Giveaway Contest was concluded in November with the fourth and final winner being selected. The social media-promoted contest drew over 120 participants from across Santa Clara County.
- The Speakers Bureau program participated in one presentation in November. On Nov. 3, Director Kremen gave a presentation to the Harbor Industrial Association during a luncheon at Divino Ristorante in Belmont. The presentation highlighted the drought and the Purified Water Project.
- Statistics for public outreach efforts are shown below.

Outreach Type	November 2022
Social Media¹	
Impressions ²	4,369,916
Engagements ³	67,109
Link Clicks	18,747
Video Views	645,149
Website Page Views	
Water conservation webpages	32,493
BeHeard.ValleyWater.org/drought-information	253
Media	
Media Mentions ⁴	946

Speakers Bureau	
Presentations ⁵	1

¹Includes Facebook, Twitter, Instagram, YouTube and LinkedIn

²Impressions are the number of times a post is displayed in a newsfeed.

³Engagements are the number of times a user interacts with a post, such a retweet, click, and more.

⁴Includes TV, radio, social media, online and print

⁵ Office of Communications and Government Relations

Drought and Water Conservation Education

- In November, the Education Outreach Program (EO) supported 66 educators and 1,204 students during 23 school presentations and three tours at Edith Morley Park and Alamitos Outdoor Classrooms. EO staff also presented “Watershed Maps” to 50 clients at the Family of Children with Special Needs Center (FCSN) in San Jose and engaged with 29 students and family members during two library programs at Evergreen and Carnegie Branch Libraries. In a continued collaboration with the City of San José’s Walk n’ Roll program, EO raised drought awareness during two school assemblies to 480 students at Alex Anderson Elementary. EO also presented water conservation and stewardship activities to Girl Scout Troop 60039, supporting their “Wonders of Water Journey”. All students, teachers and families attending EO programs recited the Water Conservation Pledge and received a Water Conservation Pledge Bookmark. The bookmark contains the pledge and suggestions on saving water every day with links to the Valley Water website.
- The table below shows Education Outreach efforts in Fiscal Year 2023, all of which included drought and water conservation messaging.

EDUCATION OUTREACH PRESENTATION NUMBERS			
MONTH	STUDENTS & EDUCATORS	PUBLIC ATTENDEES	FY23 YEAR TO DATE
July – October	4,293	429	4,722
November	1,270	79	1,349
Total	5,563	508	6,071

- Members of the Valley Water Youth Commission attended the November quarterly Youth Commission Meeting, where they participated in water education activities and brainstormed ideas to raise community awareness of water-related issues through public art installations. The Youth Commissioners also launched a new social media campaign to promote water conservation and awareness of the free water-saving devices available through the Valley Water Shopping Cart.

Committee Updates

- Drought-related updates are being provided regularly at Committee meetings to receive feedback and guidance. These updates were provided to the Water Conservation and Demand Management Committee and the Agricultural Advisory Committee in November 2022.

Water Supply Operations and Outlook

- The cumulative rainfall in San José in this rainfall year through December 2, 2022, is 3.46 inches or 136% of the long-term average for the valley floor for this date. The current rainfall year extends from July 1, 2022, to June 30, 2023.
- Total reservoir storage as a percentage of unrestricted reservoir capacity is 14% for December 2, 2022, which is 39% of the (20-year) average storage for December.

Imported Water

- January through March 2022 were the driest combined first three months on record in California. While Northern California received above average precipitation in April, major reservoir levels have generally remained below average through summer and fall.
- As of November 30, 2022, total state reservoir storage is below the historical average. Shasta Reservoir is at 57% of average for this date, Oroville Reservoir is at 55% of average for this date, and Folsom Reservoir is at 64% of average for this date. Total storage in each of these three major reservoirs has decreased in November.
- As of November 30, 2022, storage in San Luis Reservoir is approximately 515 thousand acre-feet (TAF), which is 49% of the average 1,049 TAF for this day. San Luis Reservoir storage increased by approximately 7 TAF in November.
- Valley Water entered 2022 with over 65 TAF of imported supplies stored in San Luis Reservoir. This includes emergency transfer supplies purchased in 2021, previously undelivered State Water Project (SWP) supplies, and water recovered from the Semitropic Groundwater Bank. This amount was higher than normal to ensure reliable supplies in the event the drought continued into 2022, which it did. The added carryover was needed given that Anderson Reservoir is undergoing construction and cannot support water supply needs. This strategy was very effective in 2022 and will be used again to mitigate expected drought conditions in 2023.
- The California Department of Water Resources (DWR) announced a 2022 SWP allocation of 5% on March 18, 2022, which equates to an allocation of 5 TAF for Valley Water. Subsequently, DWR approved Valley Water's request for additional water to meet our critical human health and safety needs in 2022.
- An initial 2023 SWP allocation of 5% was announced on December 1, 2022, which equates to a 5 TAF allocation for Valley Water. DWR has also indicated that it will work with water agencies to provide additional water in order to meet minimum human health and safety needs in 2023.
- The U.S. Bureau of Reclamation (Reclamation) Central Valley Project (CVP) 2022 water supply allocations for south-of-Delta CVP contractors, including Valley Water, are currently set to a municipal and industrial allocation of public health and safety water only and an agricultural allocation of zero percent. Reclamation has approved Valley Water's request for public health and safety water.
- Valley Water will continue to withdraw previously stored supplies from the Semitropic Groundwater Bank in 2022 if SWP and CVP allocations remain low. Staff continues to work with DWR and other Semitropic Banking partners and anticipates that at least 31.5 TAF would be available for delivery to Valley Water. As of October 31, Valley Water has withdrawn approximately 27.7 TAF in 2022 from Semitropic Groundwater Bank.
- Valley Water previously executed several long-term water transfer agreements that could provide emergency transfer supplies in 2022, but transfer supply this year is severely limited due to the critically dry conditions across the state. Valley Water has secured agreements for approximately 24 TAF of emergency transfer supplies in 2022. After conveyance losses, an estimated 18 TAF of additional supply will be available to the district.

Treated Water

- In November, MIB (Methyl-Isoborneol) levels were above our internal trigger level (≥ 8 ng/l) in the raw water source resulting in trace taste and odor increase in the treated water delivered to customers. Per our Taste and Odor Response Plan staff took proactive measures to implement source water change and treatment process adjustment to minimize impact.
- Valley Water's Board of Directors and treated water retailers were notified, and taste and odor updates were posted on Valley Water's website. During this episode only one complaint was reported by one retailer. MIB is a naturally occurring taste and odor compound produced by algae in the water and does not pose any health risk to human beings.
- Current source water algal toxins are below our internal triggers and 100 % of treated water delivered met all applicable drinking water quality standards.

Groundwater Recharge

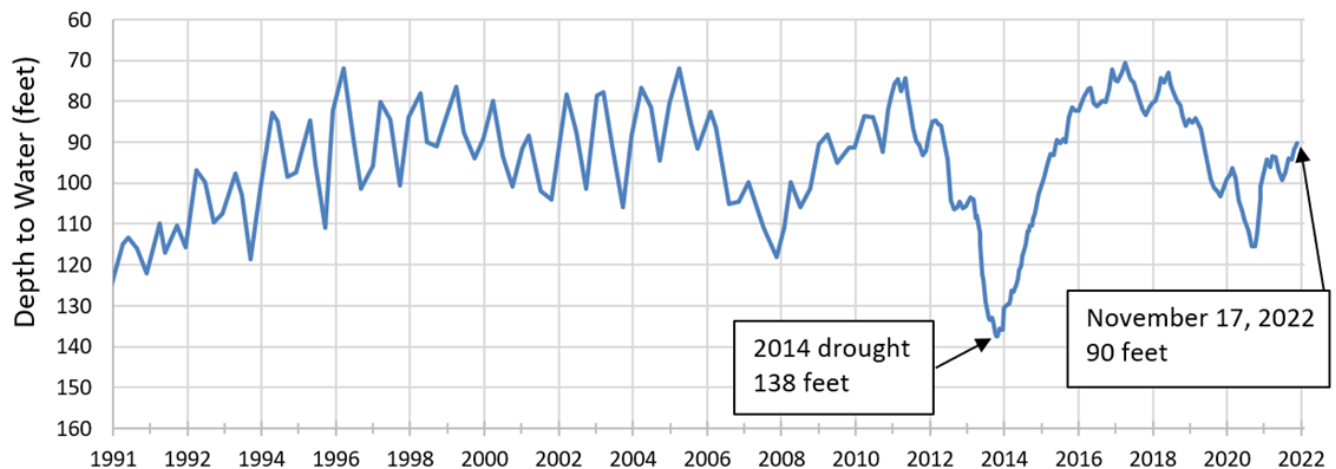
- Valley Water has reduced its managed groundwater recharge program due to a three-month pipeline shutdown from the first week of November 2022 through the end of January 2023. This necessary shutdown has cut off water supplies from San Luis Reservoir to Santa Clara County while Valley Water works on two pipeline inspection and rehabilitation projects concurrently.
- However, recharge operations continue in creeks downstream of local reservoirs, including Coyote Creek, as well as in the off-stream percolation ponds in the Los Gatos Recharge System in Campbell.
- Countywide managed recharge in 2022 is projected to end at 94% of normal (i.e., of the 20-year average).

Groundwater Conditions:

Groundwater levels have stabilized in much of the county and continue to increase in many areas due to Valley Water's managed recharge operations and ongoing water conservation by the community. With drought conditions expected to continue, water use reduction is essential to minimize the risk of resumed subsidence in North County and wells going dry, particularly in South County. The risk of dry wells and subsidence increases as the drought persists. No new dry wells were reported in November.

- North County Groundwater
 - The current water level at the regional index well has increased about 2 feet higher than last month and is about 48 feet above the minimum water level in 2014. The water level at this well is about 14 feet higher compared to this time last year.
 - Groundwater levels are more than 60 to 100 feet above thresholds established to minimize the risk of permanent subsidence.
 - No dry wells were reported in November. Since the onset of the current drought, a total of two dry wells have been reported in North County, all in the foothills where yield is generally less reliable.

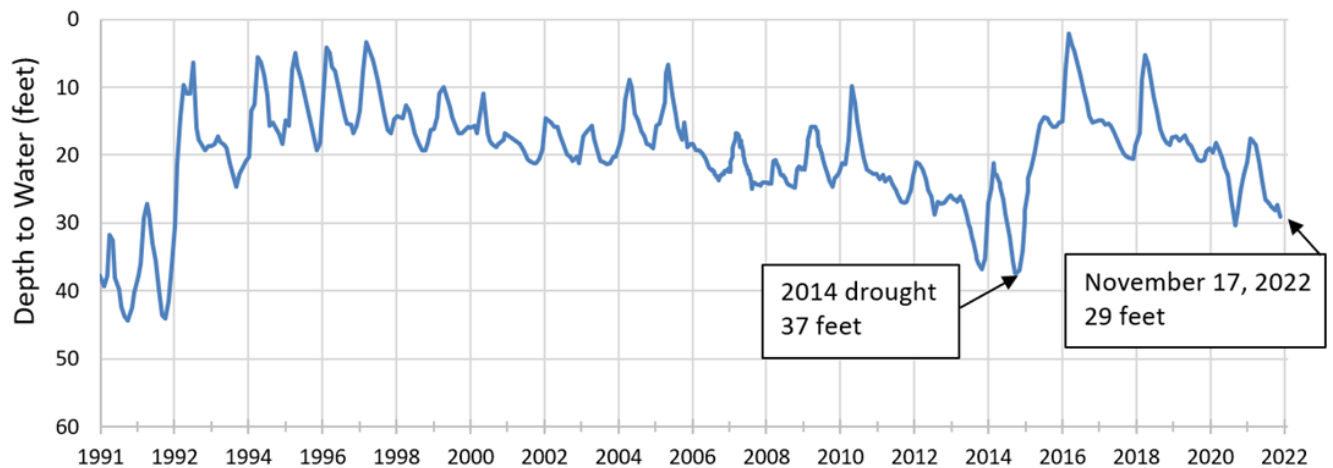
Santa Clara Plain Index Well



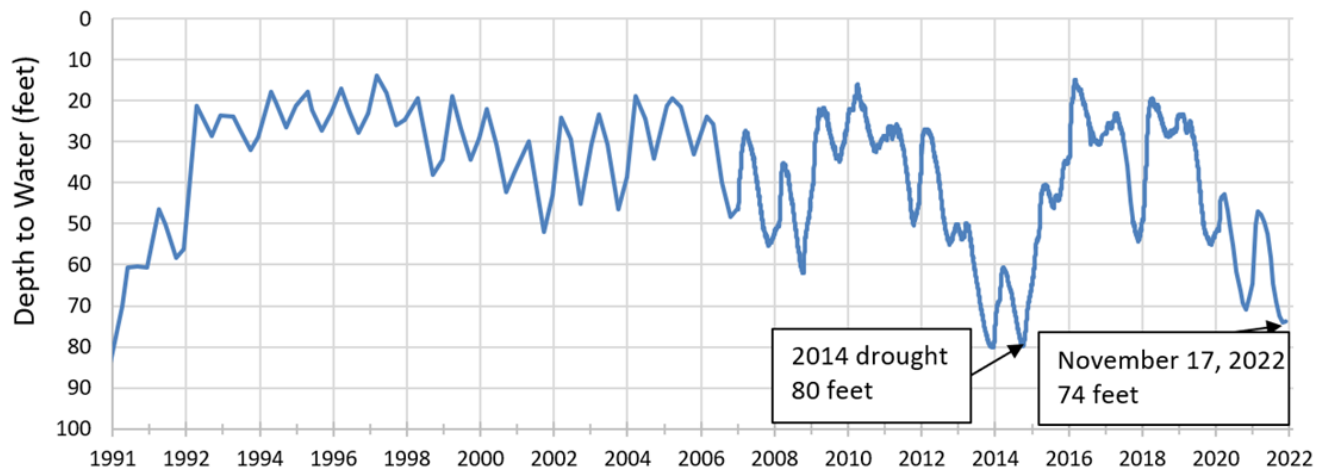
- South County Groundwater

- The current water level in the Coyote Valley and Llagas Subbasin regional index wells have decreased by about 2 feet and remained the same, respectively, since last month and are about 8 and 6 feet, respectively, above the minimum water level in 2014. Additionally, the water levels in these wells are both about 6 feet lower compared to this time last year.
 - No dry wells were reported in November. Since the onset of the current drought, a total of five dry domestic wells have been reported in South County, all in locations close to the foothills where yield is generally less reliable. Valley Water works to provide affected well owners with appropriate assistance, including information on available resources or billing support as needed.

Coyote Valley Index Well



Llagas Subbasin Index Well (San Martin)



Federal Coordination

- Valley Water Directors and staff met with the Bureau of Reclamation during the fall 2022 Association of California Water Agencies (ACWA) conference in November. This regular check-in with Reclamation's leadership in the California-Great Basin Region provided an opportunity to affirm Valley Water's commitment to water conservation and advocate for water supply projects like the Pacheco Reservoir Expansion Project. Reclamation did not provide any new information, but the agency had previously predicted another dry year ahead.

Staffing and Resources

- Drought emergency expenses are expenditures supplemental to the regular budget that would not have been adopted had there been no drought. Due to the timing of monthly financial system closes, drought expenditures are reported one month behind the monthly Drought Emergency Report.
- The FY 2022-23 Adopted Budget of \$37 million for drought emergency is comprised of \$17 million for emergency water purchases, \$7 million for water banking expenses to help bring approximately 32,000 acre-feet of water banked at Semitropic Water Storage District into the county, and \$13 million for conservation programs and drought related public relations. Budget adjustments will be brought to the Board for any additional expenses incurred during the year.
- October 2022 expenses totaled approximately \$1,250,000 spent or encumbered primarily for emergency water purchases tied to contracts executed in prior years, operating supplies and services for public relations, eCart supplies, temps and interns supporting drought related conservation programs, and labor expenses for staff time supporting Valley Water's drought response program.

Expanded Opportunities

Purified Water Project

The Purified Water Project will replenish groundwater supplies with purified water and expand usage of recycled and purified water, a drought-resilient, locally-controlled water source.

- Staff continues to work with our partner agencies on agreements, technical requirements, and the draft EIR.

Flood-Managed Aquifer Recharge (Flood-MAR) Study

Valley Water is collaborating with a team of water experts from the University of California system (referred to as UC Water) to complete a reconnaissance study for Flood-MAR implementation in Santa Clara County. The study began in 2021. Study deliverables include a GIS-based tool to identify potential sites for Flood-MAR projects in Santa Clara County and an evaluation of institutional/regulatory requirements for implementing Flood-MAR projects. Drafts are currently being reviewed by staff.

- Valley Water will be presenting study findings in early 2023 to the Water Conservation and Demand Management Committee and to the Agricultural Water Advisory Committee
- Valley Water is applying for a Proposition 1 IRWM Round 2 grant to support continued study of Flood-MAR in Santa Clara County

Drought Response Plan

Valley Water is developing a Drought Response Plan (DRP) to improve water supply reliability in Santa Clara County during times of future shortage through a WaterSMART grant from the Bureau of Reclamation. Valley Water's DRP will evaluate new approaches for determining when to request water use reductions from the public and develop a response framework to employ during future droughts.

- Work continues updating potential drought triggers and water shortage actions in coordination with retailers.



Santa Clara Valley Water District

File No.: 22-1458

Agenda Date: 1/9/2023

Item No.: 5.5.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Agricultural Water Use Baseline Study.

RECOMMENDATION:

Receive and discuss the findings and recommendations of the Agricultural Water Use Baseline Study.

SUMMARY:

Santa Clara Valley Water District (Valley Water) has completed an Agricultural Water Use Baseline Study (Study) at the request of the Water Conservation and Demand Management Committee and with the support of the Agricultural Water Advisory Committee. Valley Water collaborated with researchers from the University of California-Merced (UCM) on the Study, with the goal of better understanding current agricultural water use practices, which account for about 8% of Santa Clara County's water usage, and identifying opportunities for water use efficiency. In short, the Study found that the local agricultural sector in Valley Water's service area was highly water efficient.

Approach

The Valley Water and UCM team collaborated to utilize remote sensing, well billing information, County of Santa Clara crop reports, and expert interviews to provide insights into the use of agricultural water in the Valley Water service area and potential areas of future investment or investigation. Since metered wells do not have associated crop details and specific metered wells often provide water to multiple parcels, parcel level water use estimates could not be developed. Instead, the team evaluated water use by the Agricultural Resource Areas (ARAs) defined in the County of Santa Clara's 2018 Agricultural Plan (Attachment 1).

The assessment of Valley Water agricultural water use involved the development of composite datasets of existing data, and ground truthing information on crops and irrigation systems. To ground truth information, the team conducted a visual survey to assess the present status of irrigation technology in the Valley Water service area. The team visually surveyed 675 parcels covering 10,330 acres. Field-collected data were used to validate geospatial data on crop type and any associated irrigation technology, and to provide some validated comparison to the 2018 LandIQ crop distribution. The team also analyzed local reports, such as County of Santa Clara crop reports. The team analyzed billing data for both metered wells, which account for about 82% of agricultural water usage in the county, and unmetered wells, which use a "Table of Averages" worksheet to estimate

water usage. The Table of Averages worksheet is used to estimate the amount of water being pumped by factoring the amount of land and the crops being grown. A Mass Balance approach was used to assess the sub-regional distribution of water use intensity in the Valley Water service area. The Mass Balance model is intended to reconcile sources and sinks of water (i.e., where water comes from and where it goes). A Mass Balance for each ARA was calculated to identify over-irrigation or under-irrigation.

$$\text{Well Production} + \text{Precipitation} - \text{Evapotranspiration} = \text{Mass Balance}$$

Well production is from Valley Water billing data. Precipitation is from PRISM Climate Group, which provides climate observations gathered from a wide range of monitoring networks. Evapotranspiration (ET) data, which is water loss from soil evaporation and plant transpiration, were obtained from OpenET. Open ET provides satellite-based agricultural field ET estimates.

Findings

This Study found that the local agricultural sector in Valley Water's service area was highly water efficient. During dry years, less than 10% of water applied to crops is lost to infiltration or runoff. In comparison, Valley Water's Large Landscape Program, which provides water budgeting and irrigation surveys for commercial ornamental landscapes in Santa Clara County, found that on average in 2021, overwatering accounted for 30% of the irrigation water used by these properties.

In addition, discussions with local growers and farm suppliers conducted during the study have emphasized the appropriateness of current irrigation systems as based on grower needs (particularly for growers that are tenants). High-efficiency irrigation systems, for example, are inappropriate for certain crop types. Feedback also indicated water costs alone are insufficient to make a return-on investment business case for large irrigation infrastructure and/or technology investments. Investment in multi-benefit technologies, such as fertigation, may make a stronger business case and can be explored.

Recommendations

Since Santa Clara County agricultural users were found to be water efficient, the main recommendation is to continue to look for opportunities to enhance Valley Water's existing water conservation programs, such as the Mobile Irrigation Lab (MIL) and rebates for agriculture. To help prepare for the future, especially given the uncertainty in climate change, the study also recommends that Valley Water consider increasing our understanding of the types of crops each well supplies. Better understanding water usage per crop type will allow Valley Water to better plan for future agricultural water needs and design future conservation programs to help agricultural producers respond to climate change.

This topic was presented and discussed at the November 2022 Water Conservation and Demand Management Committee. In response to the Committee's questions about next steps, Staff added that findings of the Study would be incorporated in the upcoming Request for Proposal for Valley Water's Mobile Irrigation Lab. This may include increased soil moisture monitoring support through

on-farm trainings, equipment rebates, or enhanced consulting services.

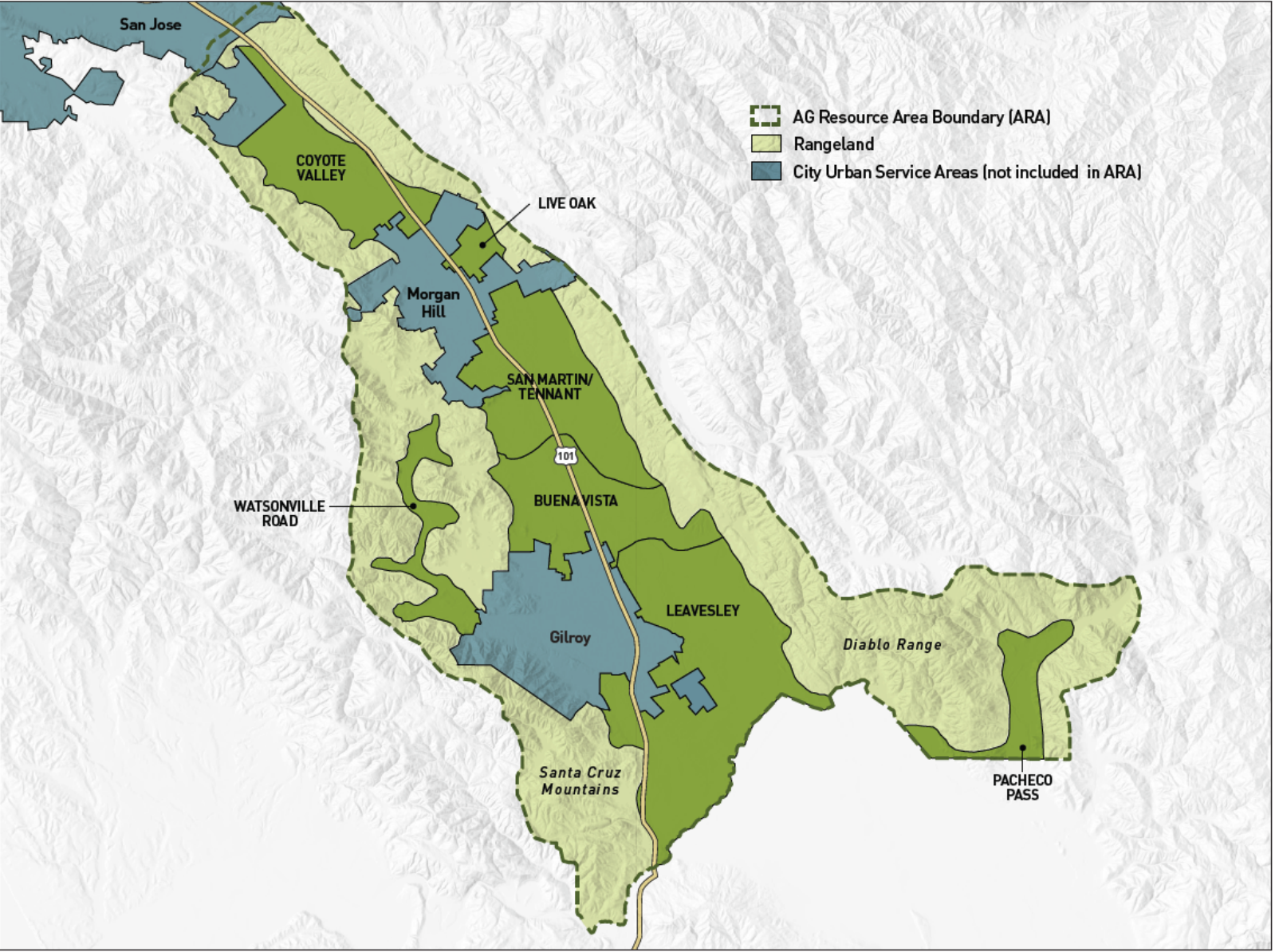
ATTACHMENTS:

Attachment 1: Agricultural Resource Area map

Attachment 2: PowerPoint Presentation

UNCLASSIFIED MANAGER:

Kirsten Struve, 408-630-3138



Agricultural Resource Area Map from the County of Santa Clara’s 2018 Agricultural Plan



Agricultural Water Use Baseline Study

Presented by: Ashley Shannon, Water Supply Planning and Conservation Unit
Nick Santos, UC-Merced

Agricultural Water Advisory Committee, January 9, 2023

Photo courtesy of the Santa Clara Valley Open Space Authority



GOALS

Support agricultural community by:

- 1) Better understanding current agricultural water use practices
- 2) Identifying opportunities for water use efficiency

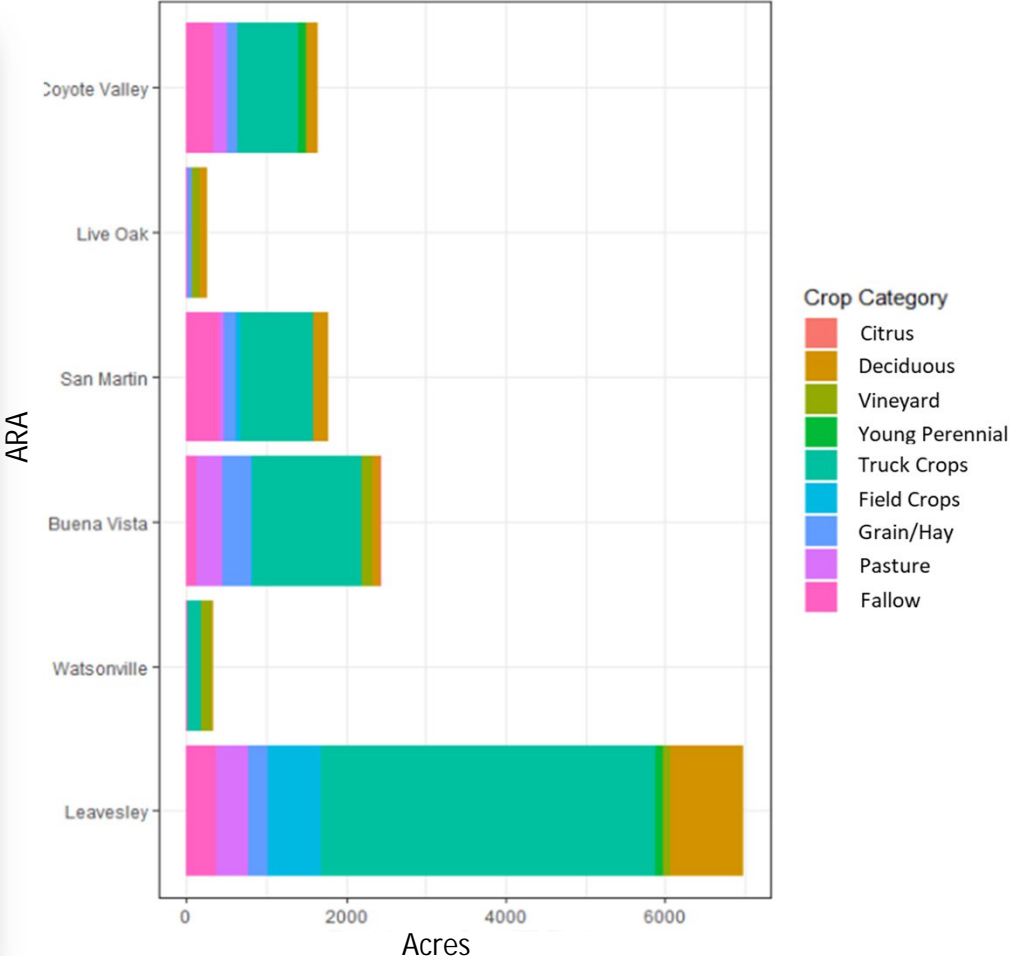
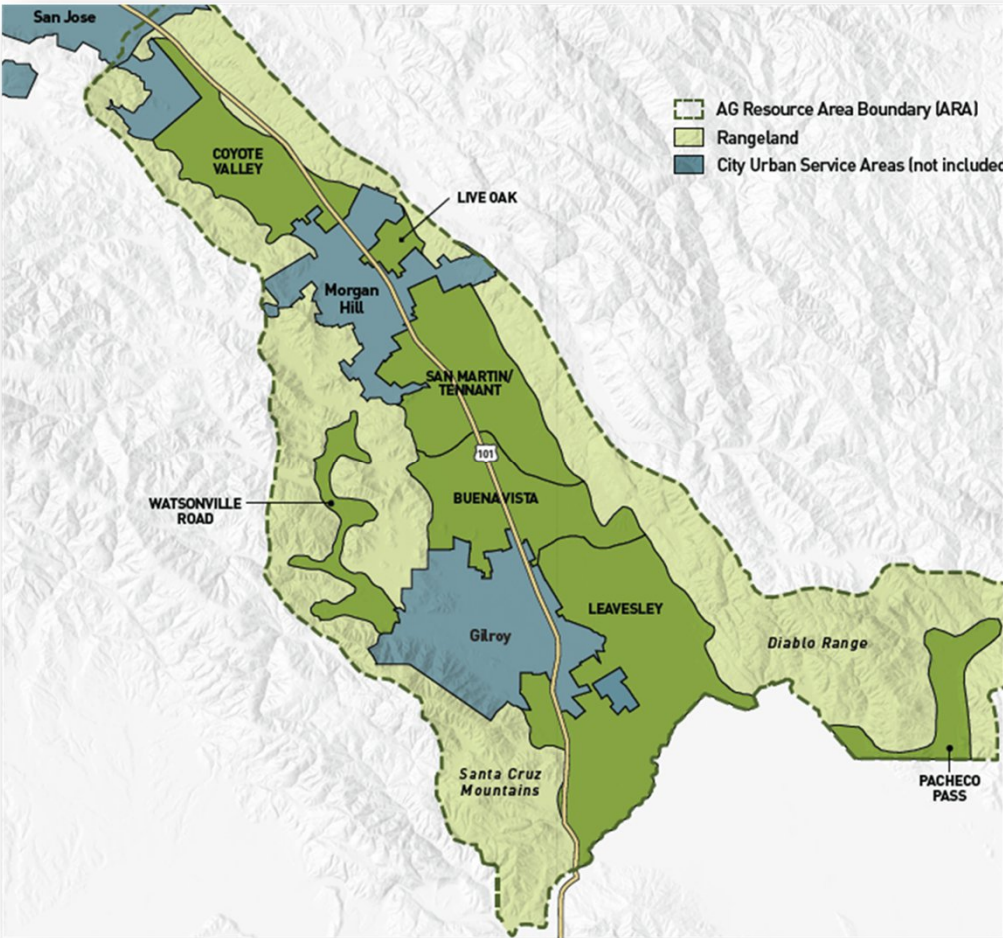


Water Efficiency Background

3

- Existing farm-level services:
 - Santa Clara Farm Bureau Ag Water Quality Program
 - Valley Water's Mobile Irrigation Lab (MIL)
- Large irrigation investments not cost effective
- Limitations of irrigation types per crop

Scope: Cropped Agricultural Resource Areas (ARAs)

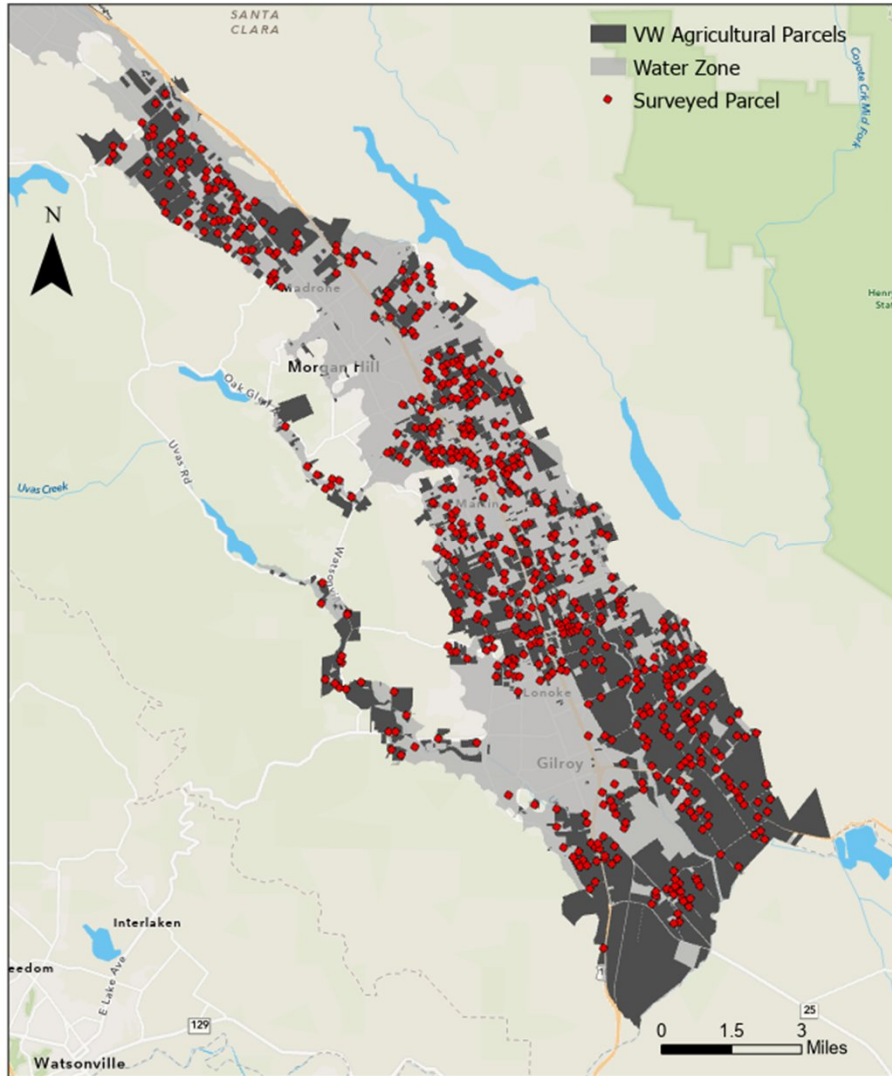


Data Collection

- Mapped County agriculture & interviewed producers
- Windshield survey conducted mid-Aug
 - Verifies spatial analysis
 - 675 unique parcels visited
 - Surveyed: Crop types, irrigation, site conditions
 - High variability in truck crops, high rate of fallow

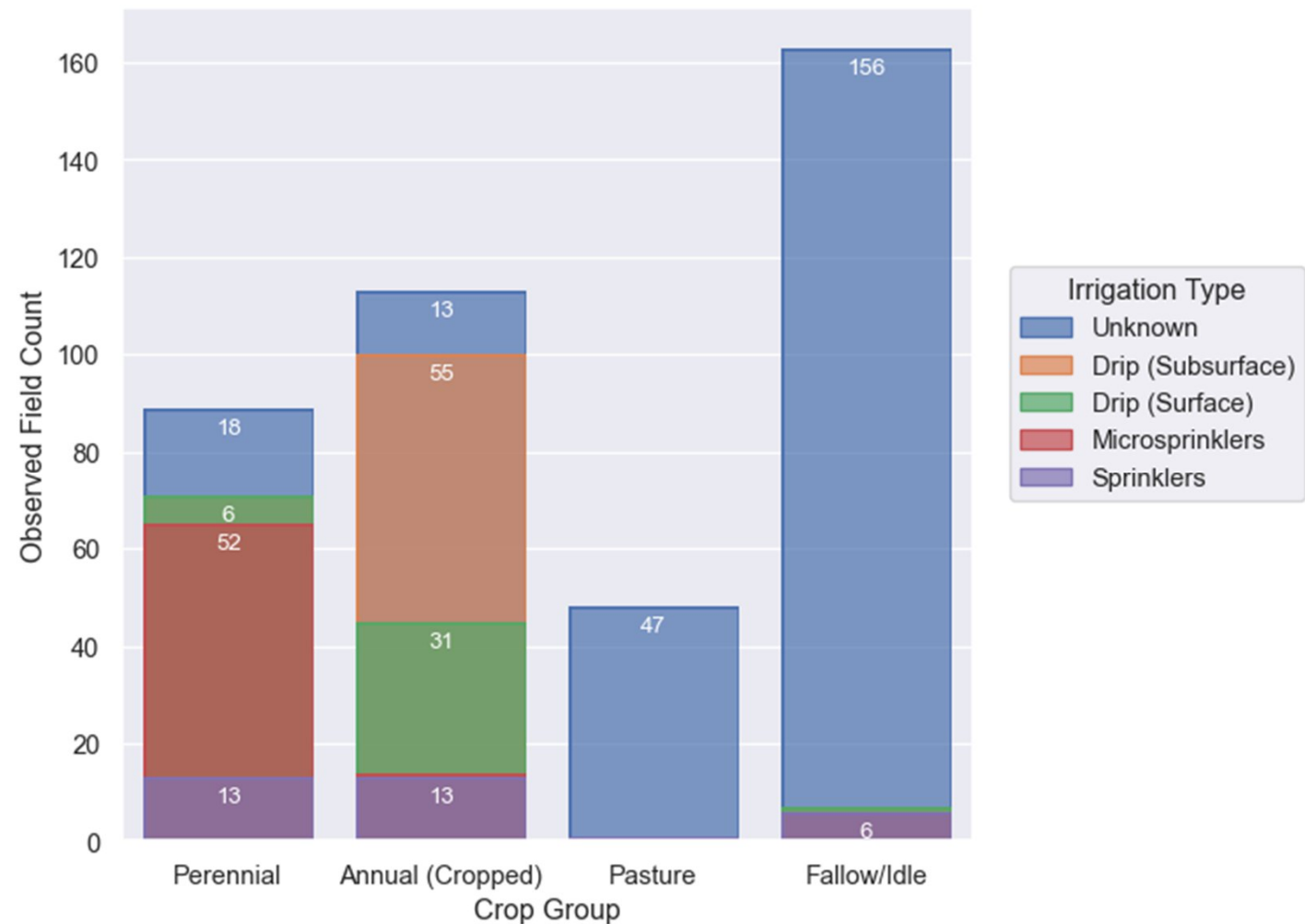
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Distribution of Survey Points Collected Aug. 2021



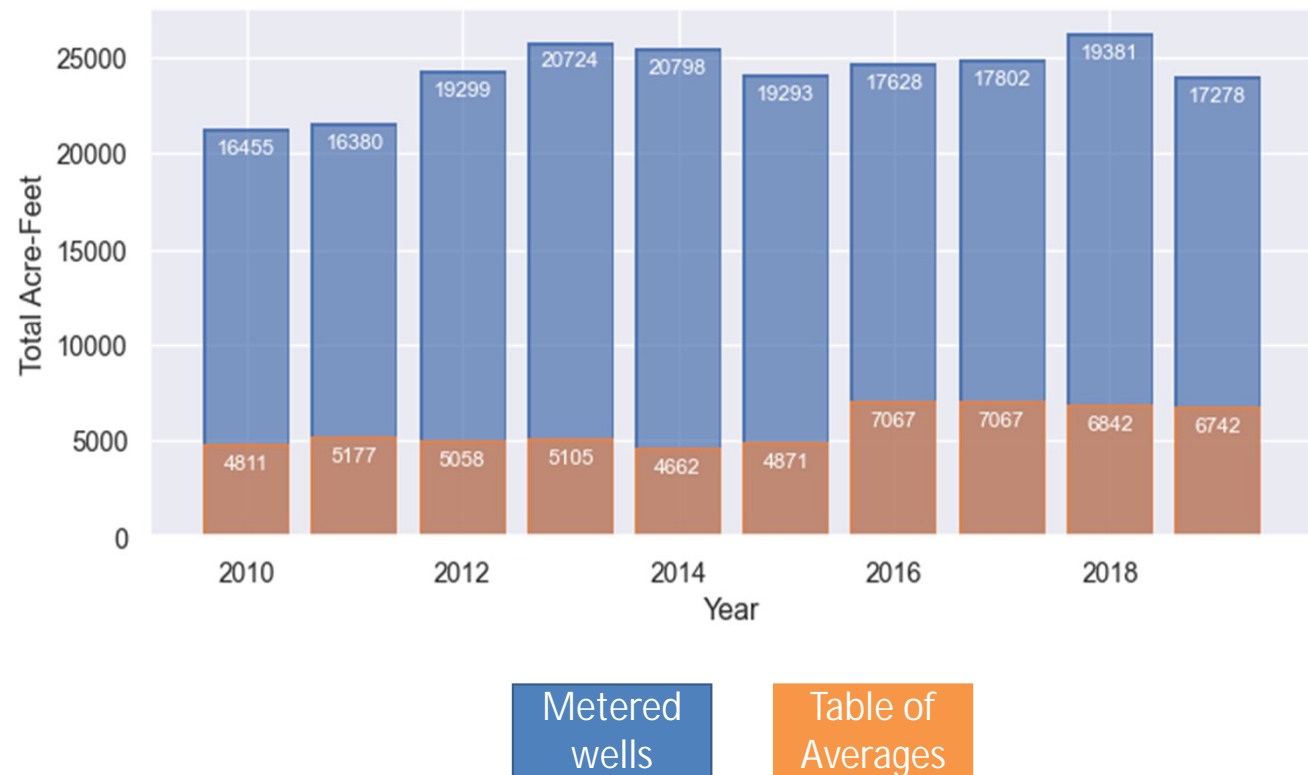
Irrigation Type in Santa Clara County

No observed flood
or furrow irrigation



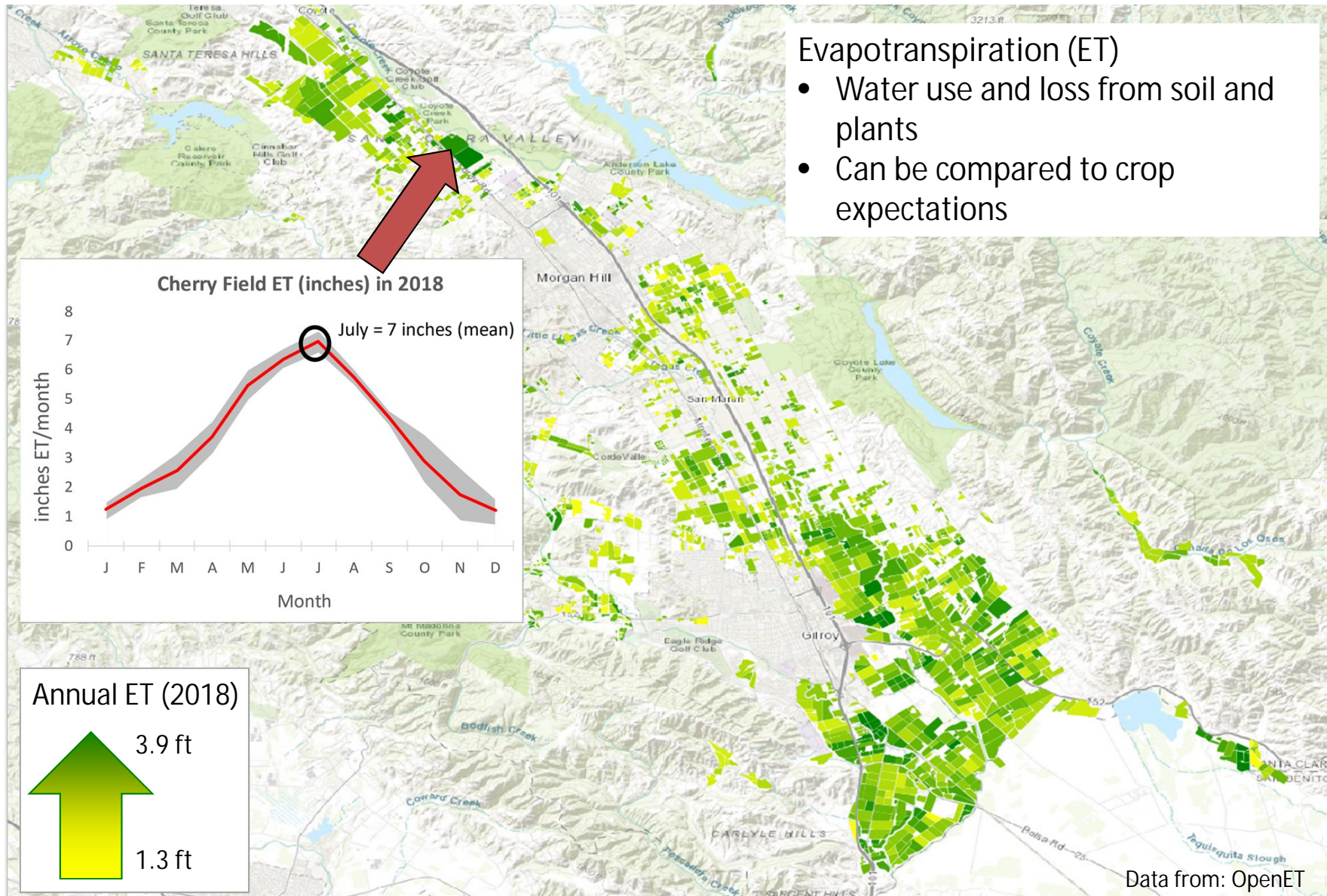
Billing Data Source

- Metered wells account for ~82% of agricultural water usage
- Meters primarily in southern portion of the County
- Table of averages relies on expected water use

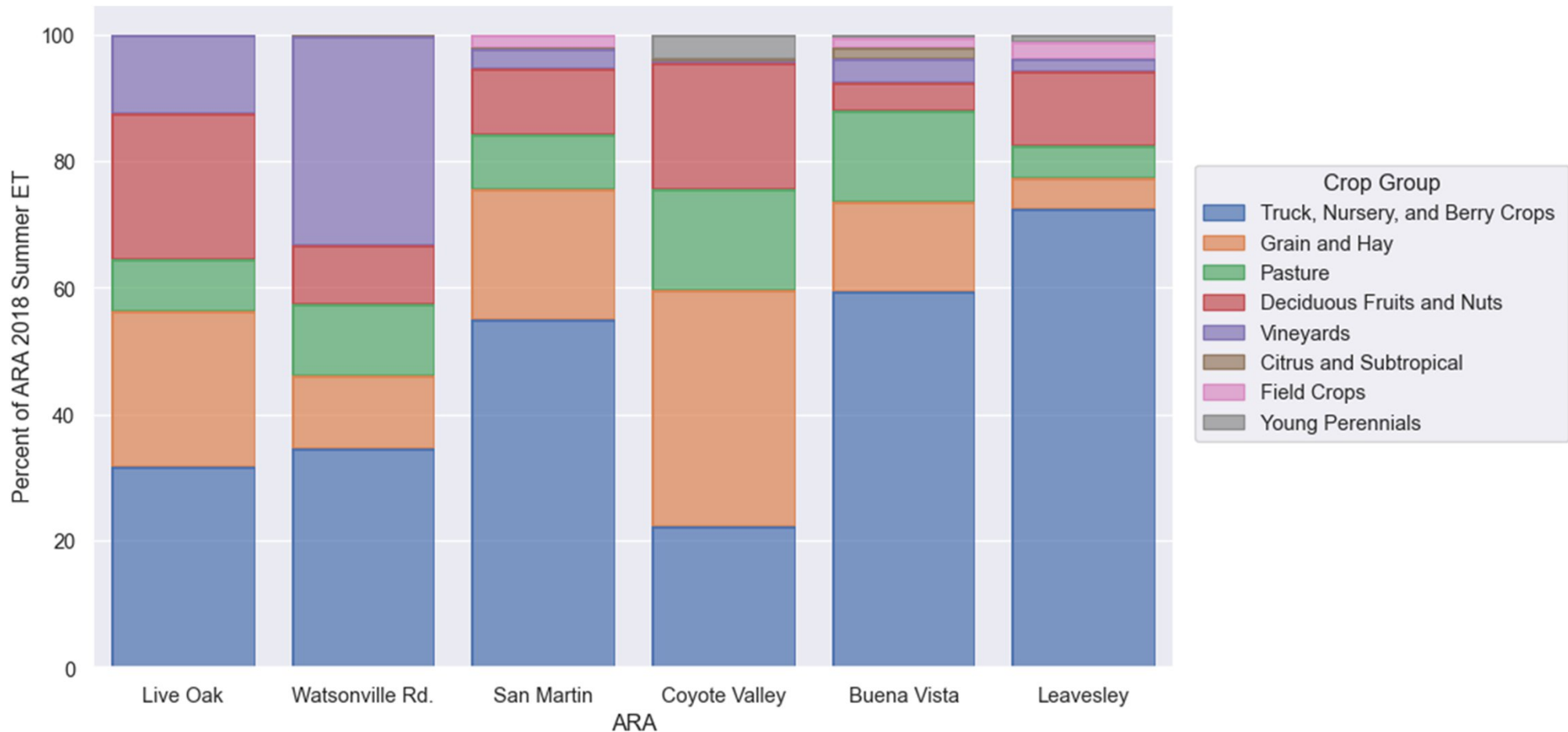


Evapotranspiration (ET)

- Water use and loss from soil and plants
- Can be compared to crop expectations



Water Use By Crop Group



Mass Balance Key Findings

- Overall, Santa Clara County agricultural water use is relatively efficient
- Dry year county-wide consumptive use of applied water is 93%

Study Recommendations



- Continued enhancement of agricultural conservation programs and rebates
- Increase understanding of crop types by well supplies

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Santa Clara Valley Water District

File No.: 22-1459

Agenda Date: 1/9/2023

Item No.: 5.6.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Information on Proposal to Update the Untreated Surface Water Program.

RECOMMENDATION:

Receive information on proposal to update the Untreated Surface Water Program.

SUMMARY:

The Untreated Surface Water Program (Program) was established in 1974 per the Board adopted Resolution 74-28 establishing the Surface Water Rules and Regulations (Rules) to offset groundwater pumping through direct use of surface water, when available. Valley Water currently provides untreated surface water from its reservoirs and raw water distribution pipelines to 64 permittees in Santa Clara County (County). Water use categories include agricultural use, municipal and industrial (M&I) uses, and domestic/residential landscaping use.

Significant issues with the Program have been identified because of the growth in the number of permittees over the years and the increasing impacts of surface water deliveries on Valley Water's ability to manage overall water supply for the County's nearly two (2) million residents. Valley Water has had to increase its pumping operations or reduce groundwater recharge at times to maintain surface water deliveries and adequate pressures in its raw water distribution pipelines.

In 2016, in response to the issues with the Program, the Board directed staff to update the Rules in accordance with eight Program principles adopted by the Board. Since that time, staff has worked with the Board and the Board Planning and Policy Committee to develop a two-phase proposal to update the Program. Under Board direction, staff held two public outreach meetings in November 2021 and presented the proposed plan to update the Program to stakeholders seeking their input. Staff then shared the revised two-phase plan and outreach findings with the Board on March 22, 2022. The Board instructed staff to present the information to the Landscape Committee and Agricultural Water Advisory Committee before returning to the Board for consideration.

TWO PHASE PROPOSAL FOR THE FUTURE OF THE PROGRAM:

Phase 1: Residential/Domestic Landscaping Use Concludes at the End of Calendar Year 2023

- Impacts Program permittees who use surface water for domestic landscaping and who have retailer service and/or groundwater wells available to use
- Preserves interruptible service of surface water to existing agricultural and M&I permittees that

provide goods and services to the community and restricts service for those purposes only

- Solves inequity issues in neighborhoods wherein only one or a few neighbors benefit from the Program solely for private landscaping use, albeit they have an alternate source of water
- Supports water conservation
- Surface water use for fire safety will be guided by a separate Valley Water effort
- Staff will perform property inspections for impacted permittees to verify alternate source information, provide technical guidance as needed, verify the water use type (agricultural, M&I, and/or domestic use), and inspect trees and landscaping on the property
- An appeal process will be made available for impacted permittees as part of Phase 1

Phase 2: Revise Surface Water Rules and Make Other Changes

- Update to include metering requirement and associated fees
- Service will be specified to exclude domestic/residential landscaping use
- Permittees may be required to install backflow preventers to prevent cross-contamination
- Creek diverters will be reminded to comply with all local and state requirements for operating stream diversions
- Incorporate annual acknowledgement by permittees that water supply is interruptible
- Valley Water supply must be a secondary source

IMPACT OF CHANGES:

Staff has identified the following potential impacts and benefits of the two-phase proposal to the communities listed below:

- *Agricultural businesses:* Since Agriculture provides a public benefit, agricultural permittees will benefit by continuing to stay on the Program during implementation of Phase 1 and will have their permit renewed under the new conditions of Phase 2 as they are developed.
- *M&I permittees:* The businesses that provide a public benefit will stay on the Program.
- *Neighbors of existing permit holders for domestic landscape use:* Phase 1 implementation will ensure equity among neighbors by having everyone in the community rely on the same water source and pay the same rate for watering their private lawns.
- *Fire safety for residents:* This proposal will not impact the use of untreated surface water use for fire safety. Knowing that surface water is an interruptible source, its use for fire safety will be guided by a separate Valley Water effort or policy.

NEXT STEPS:

Following presentations to the Landscape Committee and Agricultural Water Advisory Committee on information to update the Program, staff shall return to the Board in winter 2023 with the final two-phase proposal for the Board to consider. Invitations to attend the noticed public meeting will be extended to all stakeholders.

ATTACHMENTS:

Attachment 1: Surface Water Rules and Regulations (1974)

Attachment 2: Map of Surface Water Permittees in Santa Clara County

Attachment 3: PowerPoint Presentation

UNCLASSIFIED MANAGER:

Greg Williams, 408-630-2867

Santa Clara Valley Water District

5750 Almaden Expressway, San Jose 95118, Phone 265-2600



RULES AND REGULATIONS FOR THE SERVICE OF SURFACE WATER July 1, 1974

SECTION 1

DEFINITIONS

- BOARD:** Means the Board of Directors of Santa Clara Valley Water District.
- CONDUITS:** Includes canals, laterals, ditches, flumes, pipes, and their appurtenances, and natural stream channels where used as conduits by the District.
- DISTRICT:** Means the Santa Clara Valley Water District.
- DISTRICT WATER:** Refers to waters which are owned or controlled by the District and includes waters which have been stored and waters which have been imported.
- DIVERSION:** Means the act of transferring water from a District conduit to a private conduit or property.
- HOLDER OF TITLE:** Includes a holder of evidence of title and, also, a holder of land under a possessory right acquired by entry or purchase from the United States or the State of California.
- GENERAL MANAGER:** Means the General Manager of Santa Clara Valley Water District.
- OPERATE:** Includes use, maintain and repair.
- QUALIFIED USER:** Means any holder of title to a parcel of land who has complied with all the requirements of these Rules and Regulations and obtained a permit to divert District water.
- WATER YEAR:** Means the period from July 1st of one year to June 30 of the following year, both inclusive.

NOTE: The words "he", "him" and "his" as used herein include "she", "her" and "hers" and "it" and "its".

Rules and Regulations for the Service of Surface Water

SECTION 2

PURPOSE OF DISTRICT

2.1 It is one of the primary purposes of the District to make available an adequate supply of water for all users within the boundaries of the District. It is considered that any appropriate means by which the pumping draft is reduced operates to this end. Therefore, in order to conserve the underground supply for the benefit of all, the District will permit the diversion and use of imported water and/or water released from storage for use within the District, pursuant to these Rules and Regulations.

SECTION 3

CONTROL OF SYSTEM

3.1 The operation of the works of the District shall be under the management and control of the General Manager, appointed by the Board, and no other person except his employees and assistants shall have any right to interfere with said works in any manner except by order of the Board.

SECTION 4

DIVERSION OF DISTRICT WATER

4.1 Qualified users will be allowed to pump or otherwise divert District water from any District conduit in which the District can release District water; provided, however, that no diversion will be allowed if the same unreasonably interferes with the operation of a District conduit or results in the waste of water.

SECTION 5

DISTRICT PERSONNEL

5.1 The District staff will distribute the water available in a fair and impartial manner to all persons qualified to receive such water, and will apply these Rules and Regulations without fear or favor, and will promptly report any infraction thereof.

5.2 Any complaint regarding releases or apportionment should be referred to the Water Resources Technician and, if it is not satisfactorily settled by him, it may then be taken up with the Water Operations Supervisor. If not satisfactorily settled by him, it may then be appealed to the Board.

Rules and Regulations for the Service of Surface Water

SECTION 6

DISTRIBUTION OF WATER

6.1 Whenever, through lack of capacity in a District conduit, or for any other reason, it is impossible to distribute the amount of water desired by qualified users in any or all portions of the District, such supply as can be delivered will be equitably prorated among qualified users until such time as delivery of a full supply is possible.

SECTION 7

CONTINUITY OF USE

7.1 Qualified users shall be required to use water on a continuous basis, that is, 24 hours per day during all days including Sundays and holidays. Where a qualified user is located on a distribution facility subject to schedule of use and fails to take water when available at the time scheduled for him, he shall be placed at the end of the schedule and shall forfeit his right to water until all other qualified users on the distribution facility have been served.

7.2 Where a qualified user is located on a stream or canal and has ordered District water for a specified period, and has caused waste of water (a) by failing to take it when agreed, (b) by failing to take it continuously, or (c) by failing to notify the District at least 24 hours in advance of termination of his irrigation if terminated sooner than originally agreed, he shall be charged for the period or periods during which water went to waste as if he had taken water continuously during the agreed period.

7.3 Qualified users expecting to divert water on a basis other than 24 hours a day shall make arrangements for adequate storage to hold the requested flow without causing waste. If waste of water occurs as a result of a user's failure to comply, the user will be billed for the total requested and delivered flow regardless of amount diverted. If it can be demonstrated that no waste of water will occur, special written permission may be given to use water non-continuously.

SECTION 8

PERMITTED DIVERSIONS INCLUDE STORAGE

8.1 Diversion of District water may include both direct use and the temporary storage of such water for subsequent use.

Rules and Regulations for the Service of Surface Water

SECTION 9

INTERRUPTIONS OR IRREGULARITIES IN SCHEDULES

9.1 A diligent effort will be made by the District to maintain a reasonably uniform flow in accordance with the schedules set up on the District conduit under its control. Whenever an interruption of service occurs, the District will, with reasonable diligence, notify qualified users affected thereby of any change in schedule. Unless otherwise determined by the General Manager, the distribution of water under rotation schedules will commence from the upper end of each conduit and progress downstream.

SECTION 10

APPLICATION FOR PERMIT

10.1 Applicants for permits to divert District water from a natural water course who claim riparian rights to the use of water from such natural water course, shall sign and return to the District an agreement on forms to be supplied by the District. If irrigation is intended the applicant shall indicate thereon among other things the number of acres of each type of crop to be irrigated, the number of such acres for which he claims riparian rights, and the intended rate of diversion.

10.2 Applications must be signed by the holder of title to the land on which water is to be used. Applications shall be filed with the District. Applications will be received at any time, but any period used for allowance of a riparian entitlement credit as specified in Section 11 herein shall begin on the first day of the month next following the date of the application.

10.3 With the exception of a minimum user as hereinafter defined, an applicant to divert water may sign an application and agreement to divert District water for a period of indefinite term extending beyond the ensuing diversion season and terminable (a) by proper and lawful action of the District or (b) by a notice of termination given the District by the landowner or (c) automatically upon a transfer of title to the subject property; provided, that upon such termination all charges due to the District shall be immediately payable and shall be and remain the obligation of said applicant unless, with the consent of the District, such charges are assumed by the new owner.

10.4 An applicant to divert water who is a minimum user as hereinafter defined shall file his application annually.

10.5 Where two or more persons divert water from a common pump or diversion works, each must file a separate application for his own land.

Rules and Regulations for the Service of Surface Water

10.6 Applications requiring application fees must be accompanied by such fees as specified in Section 11.

10.7 Applicants shall agree to abide by the decision of the District whenever allocation of water is necessary.

10.8 On April 1st or as soon thereafter as reasonably possible, the District will apportion among the qualified applicants the available supply on each District conduit. Delivery schedules will be prepared, based on requested delivery dates and quantities insofar as possible. Where it is impracticable to correlate all requests, rotation schedules will be set up as outlined in Section 9.

SECTION 11

FEEs AND CHARGES

11.1 An applicant who is a minimum user as hereinafter defined shall pay a minimum charge to the District at the time of filing his annual application as aforesaid. The charge shall be established by the District in each year for the ensuing water year.

11.2 Other applicants will pay a charge based on the applicant's diversion of District water at a rate per acre-foot which shall be established by the Board in each year for the ensuing water year. The charge so made shall be computed and paid as follows:

- (a) On or after January 1st in each water year, the District will determine the amount of water applicant has diverted hereunder between July 1st and December 31st and on or after July 1st in each water year, the District will determine the amount of water applicant has diverted hereunder between January 1st and June 30. If on December 31st it is determined that the amount of water applicant has used during the first period falls within the definition of "minimum use" as hereinafter defined, an invoice will not be issued until the end of the second period (June 30th). When economically practical, the District will meter diverted surface water. The determination of unmetered surface water will be consistent wherever practicable with methods used to determine unmetered groundwater. In the case of a surface water diversion facility to which no meter is attached, the production will be determined by a method reasonably available to the District and most likely to be accurate. The acceptable methods of determining such production graded as to preference from highest to lowest are as follows:

Rules and Regulations for the Service of Surface Water

1. By use of an efficiency or flow test determining the rate of diversion of the facility together with a device which accurately records the duration of operation of the facility within the reporting period.
2. By use of an efficiency or flow test determining the kilowatt hours of electrical power necessary to produce an acre-foot or other quantity of water together with a device that accurately records the consumption of kilowatt hours within the reporting period.
3. By use of standard methods of measuring irrigation water together with total hours of diversion to determine total consumption for the reporting period.
4. By reference to a crop factor, being the average or normal irrigation requirements per acre of the crop or crops irrigated by the facility in question, as shown in the current "Table of Water Factors" as adopted by Resolution of the Board.
5. By special agreement between the applicant and the District.

The number of acre-feet so found will be multiplied by the established rate. The applicant will be billed for the amount due less any credit due applicant on account of his diversion of water from a natural water course to which he has an entitlement, as hereinafter described. The user will pay that charge for water which is either calculated upon his diversion or is the minimum charge, whichever is greater. If the amount due is not paid within thirty (30) days of billing, no further water delivery shall be made until the same is paid. Withholding of water will be in addition to any other lawful right of collection by the District of the sum due, or assessment of interest and penalties thereon.

- (b) If any user shall fail to pay the amount found due within thirty (30) days of billing, the District shall make a late charge at the rate of one percent (1%) each month on the delinquent amount.
- (c) Should any person divert District water contrary to this Resolution, the District shall, in addition to making the late charge provided herein, assess a penalty charge against such person in an amount of Fifty

Rules and Regulations for the Service of Surface Water

Dollars (\$50.00) or ten percent (10%) of the amount found by the District to be due, whichever shall be greater.

(d) Applicants for permits to divert District water from a natural water course who claim prior rights to the use of water from such natural water course shall be permitted an entitlement as found by the District. Such an entitlement is the amount of water an applicant may divert without charge from the natural flow of a stream, defined as the flow which would have occurred therein as to both time and quantity in the absence of storage or importation. The amount is the portion of the natural flow the applicant could divert to beneficial use without waste and subject to the prior or correlative rights of all others.

(e) In the case of claimed riparian rights for other than an irrigation use, the District will determine and compute applicant's riparian entitlement upon the basis of availability of natural flow therefor. In the case of claimed riparian rights for irrigation, the District will determine and compute applicant's riparian entitlement in terms of a percentage of the natural flow by dividing the total riparian irrigated acreage on the stream into applicant's riparian irrigated acreage. This is expressed in the following:

$$E_r = \frac{A_a}{A_t} \times 100$$

E_r = riparian entitlement, or percentage of natural flow to which applicant is entitled,

A_a = applicant's irrigated riparian acreage,

A_t = total irrigated riparian acreage on stream for application period.

(f) Anything herein to the contrary notwithstanding, the District can give no credit for an entitlement if in fact and without the fault of the District natural flow of the stream did not reach the applicant's point of diversion.

(g) To obtain a riparian entitlement credit, a qualified user shall maintain an accurate log of diversion periods which shall be available to the District upon request.

Rules and Regulations for the Service of Surface Water

11.3 Where a pumping plant or plants have been constructed by either the District or a group of users and are operated by said District, each applicant shall assume his share of the pumping costs, as determined by the District, when the plant is used for pumping water for applicant's use.

11.4 Annually the Board shall set a minimum fee, payable in advance for the water year, or any part thereof, for any active facility diverting District water by a minimum user. A minimum user is defined as a user who diverts District water for use,

- (a) which does not exceed one-half(1/2) acre of irrigated land, or
- (b) whose diversion in each water year does not exceed three-quarters of one acre-foot.

The District shall have the option to require such user to pay at the regular established rate, if, upon investigation, it is determined that the water user would produce a greater amount of revenue than the minimum fee.

11.5 Maintaining adequate flows to qualified users may cause some waste of water attributable to the surface water program as a whole. When such waste can be determined, the cost thereof will be apportioned among qualified users, excluding minimum users, in proportion to their diversion. This apportionment will be charged at the appropriate unit cost for water and will be included in the billing for the six-month period.

11.6 Any protest regarding quantities of water diverted and charges made shall be made within fifteen (15) days following mailing of the invoice in question. Such protest, unless resolved by the Operations Branch, shall be made to the Board of Directors who shall, upon notice to the protester, hear and determine the same.

SECTION 12

REFUNDS

12.1 No refund or any other monetary adjustment will be made in the event of shortage in delivery.

SECTION 13

DISTRICT CONTROL OF DIVERSION AND ACCESS TO LAND AND DITCHES

13.1 An applicant proposing to divert water by pumping shall provide a means of locking pump, which means is acceptable to the District. The lock to be used shall be a District lock.

Rules and Regulations for the Service of Surface Water

13.2 An applicant proposing to divert without pumping shall install a suitable headgate or other device acceptable to the District which can be locked by a District lock.

13.3 Employees and agents of the District shall have access at all times to all lands irrigated with District water, and to all diversion devices or structures, and to all streams, creeks, or conduits for the purpose of inspection, examination, measurement, survey or other necessary purposes of the District. The District shall have the right to install, maintain and examine a measuring device upon an applicant's line used for diversion of District water.

SECTION 14

MAINTENANCE AND OPERATION OF DISTRICT CONDUITS

14.1 The maintenance and operation of all conduits belonging to the District shall be exclusively the responsibility of the District. No person shall be allowed to make any changes whatever in the flow of water in these conduits except when specifically authorized to do so by an employee or an authorized agent of the District.

14.2 No person shall be allowed to make any opening in, cut, plow down or otherwise interfere with or weaken any canal or ditch bank, or cut, tap or in any way interfere with any pipeline or any other conduit of the District, unless specific authority has been granted in writing by the District.

14.3 The maintenance and operation of all conduits, pumping plants or other diversion facilities belonging to private parties shall be the exclusive responsibility of the owner. The District will not maintain or operate any such diversion facility where such facility is used for private purposes.

14.4 Private diversion facilities shall be so maintained that they do not unnecessarily waste water. The District shall be permitted to inspect and examine such facilities and if, upon examination, it is found that they will unnecessarily waste water, the District may refuse to permit the diversion of District water until the required repairs are made.

14.5 No structures of any kind shall be placed in, on, across or over any conduit of the District by any landowner or water user except those facilities approved in writing both as to location and character of construction, by the District.

Rules and Regulations for the Service of Surface Water

SECTION 15

RIGHTS OF WAY

15.1 No buildings, corrals or other structures will be permitted on any District right of way without written permission of the District. Use of such rights of way for pasturing, grazing, or other agricultural purposes by adjoining property owners shall be subject to District's superior right to use this land for the purpose or purposes for which such right of way was acquired.

SECTION 16

WATER RIGHTS

16.1 The District, in the administration of these Rules and Regulations, shall not interfere with any established water rights. The District does, however, exercise complete control over waters delivered into District conduits or which have been stored in District reservoirs and subsequently released and the District expressly asserts the right to recapture and release and/or reuse all waters which pass from the premises in which it was alleged they were to be used.

16.2 No user who diverts water from the District acquires any proprietary right therein by reason of such diversion or use, nor does such user acquire any right to sell such water, nor to divert it for use on premises other than those indicated on his application.

SECTION 17

ABATEMENT OF NUISANCE

17.1 No material or substance that will become offensive to the senses or injurious to health or injuriously affect the quality of the water, or obstruct the flow of water, or result in the scattering of seeds of noxious weeds, plants, or grasses, shall be placed or dumped in or along any conduit or reservoir, or be placed or left so it could by any means be deposited in any conduit or reservoir. Any violation of this Section will subject the offender to prosecution. All employees of the District will promptly report any violation of this Section. The property owners within the District are especially urged to cooperate in its enforcement.

SECTION 18

NON-LIABILITY OF DISTRICT

18.1 The District will not be liable for any damage of any kind or nature resulting directly or indirectly from the use of

Rules and Regulations for the Service of Surface Water

any privately-owned conduit or diversion facility, or the water flowing therein, or by reason of lack of capacity therein or for negligent, wasteful or other use or handling of water by the users thereof.

18.2 All water furnished by the District flows through many miles of open creek channels, canals, ditches or pipelines and is therefore subject to pollution, shortage, fluctuation in flow, and interruption in service. District employees are forbidden to make any agreements binding the District to serve an uninterrupted, constant flow of water. All water furnished by the District will be for a use or uses specified in the application and every user putting the water to other uses does so at his own risk and by doing so assumes all liability for, and agrees to hold the District and its officers and employees free and harmless from liability and damages that may occur as a result of defective water quality, shortages, fluctuation in flow, and interruptions in service.

18.3 The District will not be liable for the quality of water, shortage of water either temporary or permanent, or for failure to deliver such water.

18.4 Diverting by users of District water is done at the user's risk and the District assumes no liability for damages to pumping equipment or other damages as a result of turbulent water or shortage or excess of water, or other causes.

18.5 The District assumes no liability for damages to persons or property occasioned through defective conduits or other works.

SECTION 19

UNAUTHORIZED TAKING OF WATER OR INTERFERENCE WITH REGULATION OF WATER

19.1 It is contrary to these Rules and Regulations for any qualified user to divert more water than he has applied for by making an opening in any District conduit, or by tampering with any control gate, box valve, measuring device or structure diverting water from any District stream, creek, or conduit, or by inserting any pipe, hose, pump or other diverting device into any District conduit or any stream or creek in which District water is flowing, or causing the same to be done without consent of the District.

19.2 It is also contrary to these Rules and Regulations for anyone who has not fulfilled the prescribed requirements for a qualified user to divert District water by any means from a stream, creek or conduit.

19.3 It is also contrary to these Rules for anyone to divert water which he has received for lands within the District to any lands outside the District's boundaries.

Rules and Regulations for the Service of Surface Water

19.4 Anyone found violating the terms of this Section or of Sections 14.1 or 14.2 hereof shall be liable to criminal prosecution and, upon order of the General Manager, shall forfeit his right to take District water for the balance of that water year, or to take District water for the next succeeding water year, or both such forfeitures. Upon any such order imposing forfeiture of right to divert District water, the recipient may appeal the same to the Board which shall hear the appeal at its next regular meeting. At such hearing or at any time to which such hearing shall be regularly continued, the Board shall grant or deny the appeal and shall impose such forfeiture, if any, as it shall decide upon; provided, however, that any forfeiture so imposed shall not exceed suspension of the right to divert District water for a period beyond the next succeeding water year.

19.5 Anyone not a qualified user who has violated the terms of this Section and who thereafter seeks to become a qualified user shall not be deemed an eligible applicant therefor unless he shall first have paid to the District all such fees, together with such interest and penalties, as he would have paid had he been a qualified user hereunder at the time of such violation.

SECTION 20

WASTE OF WATER

20.1 A qualified user who wastes water, either wilfully, carelessly, or due to defective or inadequate, privately owned conduits, pumps, or other facilities and/or structures, or due to inadequate preparation of the land for irrigation, may be refused permission to divert District water until the conditions are remedied. The provisions of Section 7.1 will then apply to determine when water can be delivered.

SECTION 21

REPEAL OF CONFLICTING RESOLUTIONS

21.1 All resolutions or parts of resolutions inconsistent with the provisions thereof are hereby repealed.

SECTION 22

VALIDITY

22.1 If any provision of this Resolution or the application thereof to any person or circumstance is held invalid, the remainder of the Resolution and the application of such provision to other persons or circumstances shall not be affected thereby.

SOURCE: Resolution No. 74-28 heretofore adopted by the Board of Directors of Santa Clara Valley Water District on April 2, 1974. (Effective July 1, 1974)

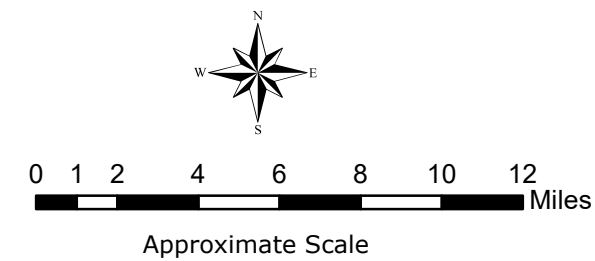
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Surface/Untreated Water Program Permit Locations

District Number	Director	Number of Permits
1	John L. Varela	54
2	Barbara F. Keegan	0
3	Richard P. Santos	4
4	Jim Beall	2
5	Nai Hsueh	1
6	Tony Estremera	1
7	Rebecca Eisenberg	2
Total:		64

Legend

- Surface/Untreated Water Program Permits (12/13/2022)
- Raw Water Pipeline
- Treated Water Pipeline
- ▭ Valley Water Board of Directors Districts



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Information on Proposal to Update the Untreated Surface Water Program

Presented by: Bassam Kassab, Water Supply Operations Manager, Raw Water Division
Agricultural Water Advisory Committee, January 9, 2023



Outline



Overview of Untreated Surface Water Program



Two-Phase Proposal



Next Steps



Q&A

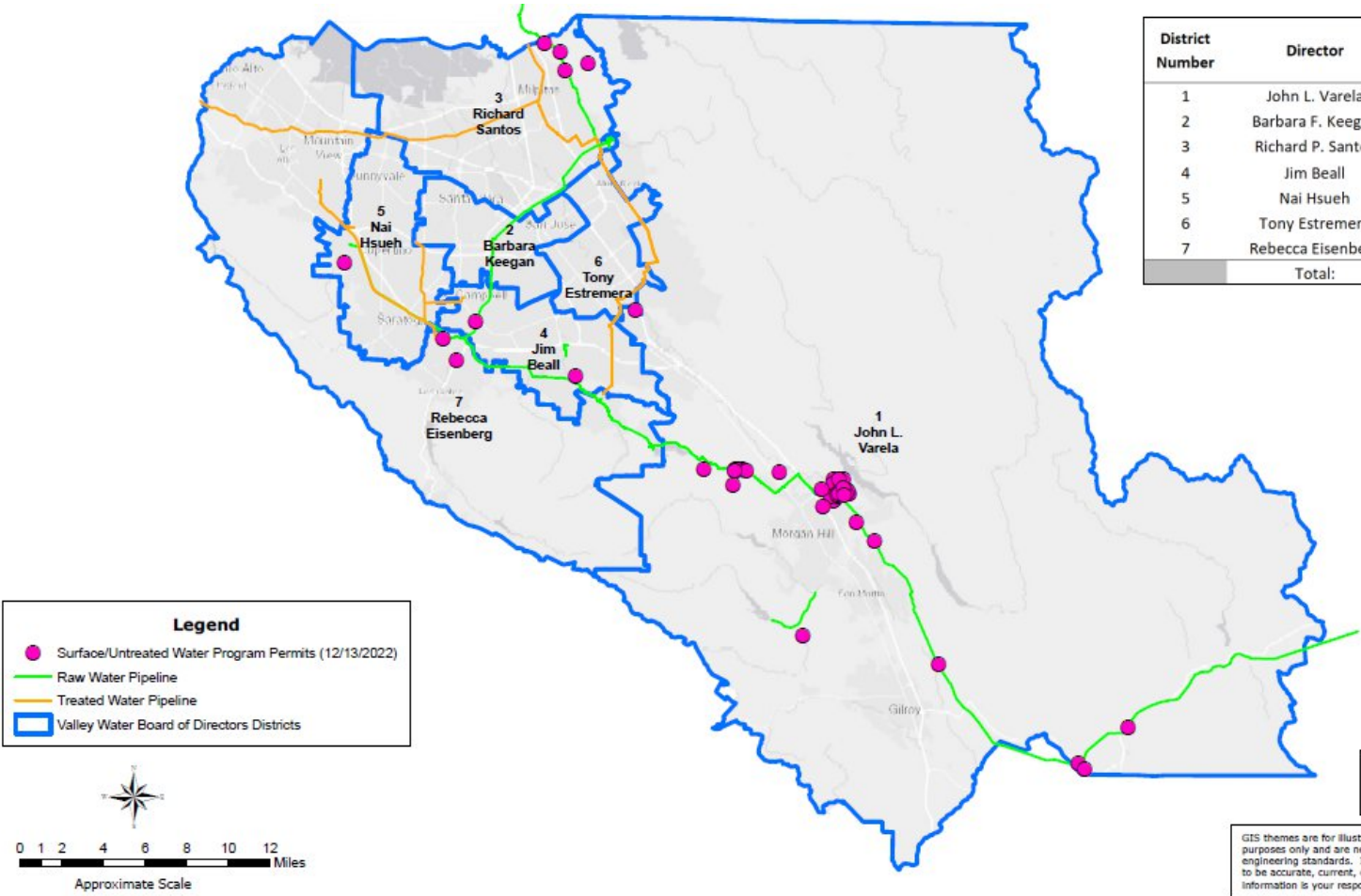
Overview of Untreated Surface Water Program

- Board-Adopted Rules and Regulations for the Service of Surface Water (July 1974)
- Board Guidance to Revise the Program (April 2016)
- Two Public Stakeholder Meetings (November 2021)
- Staff Presented Two-Phase Proposal to Revise the Program at Board Meeting (March 2022)

Map of Permittees in the Program



District Number	Director	Number of Permits
1	John L. Varela	54
2	Barbara F. Keegan	0
3	Richard P. Santos	4
4	Jim Beall	2
5	Nai Hsueh	1
6	Tony Estremera	1
7	Rebecca Eisenberg	2
Total:		64



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Two-Phase Proposal for the future of the Untreated Surface Water Program

Phase 1: Residential/Domestic Landscaping Use Concludes at End of CY 2023



- Impacts permittees with alternate source available
- Service only for agricultural and M&I uses
- Solves inequity concerns between neighbors
- Supports water conservation
- Surface water use for fire safety not impacted (it will be guided by separate effort)
- Staff to perform inspections to verify use category
- Appeal process to be made available

Phase 2: Revise Surface Water Rules and Make Other Changes



- Include metering requirement and fees
- Exclude domestic landscaping use
- Install backflow preventers
- Creek diversion compliance with local and state requirements
- Annual acknowledgement of interruptible water supply
- Surface Water Program supply must be a secondary source

Next Steps



SEEK BOARD APPROVAL

If two-phase proposal is approved,
Phase 1 to be implemented by end of 2023



PHASE 2 DEVELOPMENT

A photograph of six diverse hands, each making the 'L' hand gesture (index finger pointing up, other fingers curled). The hands vary in skin tone from dark brown to light beige. The arms are extended upwards. The background is a solid, medium-grey color. The word 'QUESTIONS' is overlaid in white, bold, sans-serif capital letters in the center of the image.

QUESTIONS

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Santa Clara Valley Water District

File No.: 22-1460

Agenda Date: 1/9/2023

Item No.: 5.7.

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 2022 Work Plan

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

2023 Work Plan: Agricultural Water Advisory Committee

Update: December 2022

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 2023	January 9	•Committee Elects Chair and Vice Chair for 2023 (Action)	
2	Annual Accomplishments Report	January 9	•Review and approve 2022 Accomplishments Report for presentation to the Board. (Action) •Submit requests to the Board, as appropriate.	
3	Review and Comment to the Board on the Fiscal Year 2023 – 2024 Preliminary Groundwater Production Charges	January 9	•Review and comment to the Board on the Fiscal Year 2023-2024 Preliminary Groundwater Production Charges. (Action) •Submit requests to the Board, as appropriate.	
4	Quarterly Drought Response Update	January 9 April 3 July 10 October 2	•Receive an update on the Drought Response (Information)	

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1
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2023 Work Plan: Agricultural Water Advisory Committee

Update: December 2022

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
5	Flood-Managed Aquifer Recharge Preliminary Feasibility Study for Santa Clara County	January 9	•Receive a presentation on the Flood-Managed Aquifer Recharge Preliminary Feasibility Study for Santa Clara County (Information)	
6	Agricultural Water Use Baseline Study Update	January 9	•Receive information on the Agricultural Water Use Baseline Study. (Information)	
7	Information on Proposal to Update the Untreated Surface Water Program	January 9	•Receive information on Proposal to Update the Untreated Surface Water Program (Information)	
8	Review of Agricultural Water Advisory Committee Work Plan, the Outcomes of Board Action of Committee Requests and the Committee's Next Meeting Agenda	January 9 April 3 July 10 October 2	•Receive and review the 2023 Board-approved Committee work plan. (Action) •Submit requests to the Board, as appropriate.	
9	Standing Items Report Fiscal Year 2023 Goals and Strategies:	January 9 July 10	•Receive quarterly reports on standing items, FY2023. (Information)	
GOAL	OBJECTIVE	FY23 TACTICS		MONITORING COMMITTEE
INTEGRATED WATER RESOURCES MANAGEMENT "Efficiently manage water resources across business areas."	<i>Objective #1 Challenge/Opportunity</i> The 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 and	<ul style="list-style-type: none"> Develop a Fuel Management Policy to guide the incorporation of wildfire planning efforts in an integrated and programmatic way. Continue a robust preventive maintenance program including monitoring asset condition and risk. 		Board Policy and Planning Committee (BPPC) CIP Committee (CIPC)

Yellow = Update Since Last Meeting

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ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
	<i>causes unplanned outages and failures risking the population of the county. In addition, aging assets are reaching the end of the design life and will require major recapitalization.</i>		<ul style="list-style-type: none"> Strategically plan for larger infrastructure renewal projects through Safe Clean Water Project F8 – Sustainable Creek Infrastructure for Continued Public Safety; Water Treatment Plant, Distribution System, and SCADA Implementation Plans; Watersheds and Water Utility Operations and Maintenance Plans; and various Asset Management Plans. Advance infrastructure renewal projects identified in strategic planning efforts by initiating new Capital or Small Capital Projects, or by conducting work as part of ongoing operations projects. Develop comprehensive infrastructure master plans for all water utility treatment plant and distribution infrastructure (e.g. pipelines and pump stations) to plan out 30-year capital investments that meet future regulatory requirements, and fold in projects identified in the Asset Management and Operations & Maintenance Plans. Expedient execution of the adopted Capital program and projects. 	
	<u>Objective #2 Challenge/Opportunity</u> <i>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.</i>		<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. Continue to work with the Regional Water Quality Control Board (RWQCB) under the terms of our memorandum of understanding (MOU) to expedite issue resolution and prevent regulatory overreach. Collaborate with RWQCB on the Steelhead Regional Temperature Study. 	BPPC
WATER SUPPLY "Provide a reliable, safe, and affordable water supply for current and future generations in all communities served."	<u>Objective #1 Challenge/Opportunity</u> <i>Half of Santa Clara County's water supply is imported from outside the county. At this time, when there is a lot of water, Valley Water may not be able to take advantage of these supplies due to limitations in existing storage and transmission infrastructure as well as regulatory constraints. Having a diverse portfolio of storage options helps Valley Water be resilient. Therefore, Valley Water is evaluating whether diversifying its storage portfolio could help maximize our use of storage and stored water recovery under</i>		<ul style="list-style-type: none"> Explore opportunities to develop new surface and groundwater storage projects that help Valley Water meet future water supply needs and be resilient to climate change. Determine level of participation for projects and decisions about partnerships in accordance with the Water Supply Master Plan and water affordability. Explore partnership opportunities for the Pacheco Reservoir Expansion Project Validate Valley Water's continued participation in the Pacheco Reservoir Expansion Project during the MAP review process, bi- 	Water Storage Exploratory Committee (WSEC)

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2023 Work Plan: Agricultural Water Advisory Committee

Update: December 2022

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
	<i>future conditions. Water storage in reservoirs also provides environmental, recreational, and incidental flood risk reduction benefits. Challenges include determining the appropriate level of participation for Valley Water in collaborative water storage projects and prioritizing projects within funding constraints.</i>		annual budget development, and following review and certification of the project's Environmental Impact Report (EIR).	
	<u>Objective #2 Challenge/Opportunity</u> <i>The Water Supply Master Plan's "Ensure Sustainability" strategy includes securing existing water supplies and infrastructure. Valley Water's local and imported water supplies are vulnerable to climate change impacts, droughts, earthquake, and regulatory requirements that may restrict the amount of available water.</i>		<ul style="list-style-type: none"> • Participate in and influence decisions regarding the Delta Conveyance Project. • Participate in regional water supply resilience efforts. • Build and maintain effective partnerships to increase resiliency. • Complete and implement infrastructure master plans and asset management plans. • Partner with the California Department of Water Resources (DWR) to ensure reliability of the South Bay Aqueduct. 	Water Conservation and Demand Management Committee (WCaDMC) (Groundwater) CIPC (infrastructure projects)
	<u>Objective #3 Challenge/Opportunity</u> <i>Recycled and purified water is a drought resilient, locally controlled water supply important to long-term sustainability. The Water Supply Master Plan includes developing up to 24,000 acre-feet per year of purified water by 2040. Purified water is recycled water that has been treated further using reverse osmosis and other advanced treatment to make it fit for drinking. Valley Water is pursuing indirect potable reuse which would use this purified water to replenish our groundwater. Implementation challenges include securing wastewater supply contractual agreements with wastewater agencies, available land, stringent regulatory requirements, and implementation costs.</i>		<ul style="list-style-type: none"> • Implement the first phase of the Purified Water Program, including release of a Request For Proposal (RFP) and enter into a contract for an Indirect Potable Reuse project that is implemented via a Public Private Partnership. • Implement the Countywide Water Reuse Master Plan. • Develop a Comprehensive Water Reuse Agreement for South County to advance water reuse and its production, distribution, and wholesaling in South County. • Continue to actively be involved with the Direct Potable Reuse (DPR) guidance and ensure Valley Water is positioned to implement a DPR project in the future. • Continue collaboration on the Silicon Valley Advanced Water Purification Center including building a strong collaborative relationship with the San José-Santa Clara Regional Wastewater Facility to expand the facility. 	Recycled Water Committee (RWC)
	<u>Objective #4 Challenge/Opportunity</u> <i>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 expeditiously. This includes the reconstruction of the Dam and completion of the interim risk reduction measures resulting from the February 20, 2020, directive from the Federal Energy Regulatory</i>		<ul style="list-style-type: none"> • Maintain the Anderson Reservoir level at the FERC directed level. • Complete the construction on the Anderson Dam Tunnel Project (ADTP). • Complete the design of the ADSRP. • Continue to work with appropriate regulatory agencies to advance the ADSRP. • Release the Draft Environmental Impact Report for the ADSRP. • Obtain all necessary permits for ADSRP construction. • 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). 	CIPC Stream Planning and Operations Committee (SPOC)

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

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ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
	Commission (FERC).			
	<u>Objective #5 Challenge/Opportunity</u> Droughts are a recurring feature of California's climate and may intensify with climate change. 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. As Valley Water faces challenges from climate change and drought, water conservation will continue to be amongst the most cost-effective tools for efficiently meeting current and future demands while mitigating droughts.		<ul style="list-style-type: none"> •Continue communication and educational outreach to promote Valley Water's water conservation programs. •Increase collaboration with our retailer partners 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. •Develop and implement a Drought Response Plan with support and input from our retailer partners and the broader community to guide short-term behavioral changes during water shortages. 	WCaDMC
NATURAL FLOOD PROTECTION "Provide Natural Flood Protection to reduce risk and improve health and safety."	<u>Objective #1 Challenge/Opportunity</u> Valley Water is challenged to sustain ecosystem health while managing local water resources for flood protection and water supply. By using an integrated approach to planning and designing flood protection planning, there is an opportunity to create projects with multiple benefits.		<ul style="list-style-type: none"> •Make significant progress on One Water plans for the Guadalupe and Pajaro watersheds. •Complete construction of Reaches 1-3 of the Shoreline Phase I Project and pursue funding alternatives for Reaches 4-5 to provide 100-year coastal flood risk management, ecosystem restoration, recreational opportunities, and resiliency for sea level rise. •Complete construction of Phase 2A of the Upper Llagas Flood Protection Project to provide flood protection and habitat enhancement. •Advance the Palo Alto Flood Basin Project into construction, a repair project to ensure a functional flood basin with wetland habitat. •Advance the Sunnyvale East/West Channels Project into construction to provide 100-year storm water flood protection. •Compete the U.S. Army Corps of Engineers Upper Guadalupe River Project General Reevaluation Study to provide 100-year flood protection. •Advance the San Francisquito Creek upstream 101 Project into construction to provide flood protection. •Advance the Coyote Creek Flood Mitigation and Flood Protection Projects into construction to provide flood protection for an event equivalent to the 2017 storm event. 	CIPC BPPC
	<u>Objective #2 Challenge/Opportunity</u> As Valley Water continues to advance flood protection projects, the Board has an opportunity to strengthen relationships and		<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. 	CIPC BPPC

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2023 Work Plan: Agricultural Water Advisory Committee

Update: December 2022

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
	<i>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.</i>		<ul style="list-style-type: none"> Continue progress on flood protection capital projects consistent with Valley Water's commitment to the Safe, Clean Water Program and equitability in all regions. Plan flood risk reduction projects to provide a minimum level of protection countywide. 	
ENVIRONMENTAL STEWARDSHIP <i>"Sustain ecosystem health while managing local water resources for flood protection and water supply."</i>	<u>Objective #1 Challenge/Opportunity</u> <i>Valley Water's projects and programs require 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.</i>		<ul style="list-style-type: none"> 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. Implement high priority actions included in the Climate Change Action Plan. Make significant progress on the grant-funded planning study for the San Tomas Aquino Calabazas Creek Realignment Project. Advance construction for the Bolsa Creek and Hale Creek projects to begin in Summer 2022. Advance Almaden Lake Improvement Project to begin construction in 2023. Continue to develop and build on partnerships with environmental organizations and tribal communities when developing projects. 	BPPC
	<u>Objective #2 Challenge/Opportunity</u> <i>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.</i>		<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. Coordinate with the County, cities, and other service providers to try to ensure the permanent removal of homeless encampments from creeks and trails. 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). 	Environmental Creek Cleanup Committee (ECCC) (SPOC)
	<u>Objective #3 Challenge/Opportunity</u> <i>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, Guadalupe River, and Stevens Creek watershed areas. Challenges include completing the environmental review process, obtaining federal and state permits from multiple regulatory agencies, refining and processing water rights change petitions, the technical complexity of the fisheries impacts analysis, coordination with</i>		<ul style="list-style-type: none"> Finalize the June 2021 Guadalupe River and Stevens Creek Environmental Impact Report (EIR) consistent with existing stakeholder agreement. Advance 10 water right change petitions for securing water right orders. Continue to implement the pilot flow program in Guadalupe and Stevens Creek. Continue to implement feasibility studies, monitoring activities, and Planning and construction of various fish passage improvements as identified in existing stakeholder agreement. Continue fisheries monitoring program. Continue to support an adaptive management program that 	SPOC

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2023 Work Plan: Agricultural Water Advisory Committee

Update: December 2022

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
	other ongoing related projects and managing stakeholder expectations.		encompasses all three creeks.	
CLIMATE CHANGE "Mitigate Carbon Emissions and Adapt Valley Water Operations to Climate Change Impacts."	<u>Objective #1 Challenge/Opportunity</u> Valley Water's ability to fulfill its mission will be challenged in the future by warmer temperatures, changing precipitation patterns, reduced snowpack, and rising sea levels. Valley Water has been working on greenhouse reduction efforts since 2008 and many adaptation actions over the past decade; however, with adoption of the Climate Change Action Plan there is an opportunity for greater impact.		<ul style="list-style-type: none"> •Update carbon accounting and establish new emissions reduction goal if needed. •Make significant progress on development of an agency-wide greenhouse gas reduction plan. 	Climate Adaptation and Sustainability Committee (CAASC)
BUSINESS MANAGEMENT "Promote effective management of water supply, flood protection, and environmental stewardship through responsive and socially responsible business services."	<u>Objective #1 Challenge/Opportunity</u> Valley Water is committed to creating and maintaining a diverse, inclusive, and equitable work environment that is devoid of discrimination and harassment and provides equal opportunity employment and advancement. Valley Water aims to implement the same values in the community through its flood protection, water supply, and environmental stewardship projects, and has an opportunity to serve as a leader for racial equity, diversity, and inclusion throughout the state.		<ul style="list-style-type: none"> •Develop and implement a Diversity, Equity and Inclusion Master Plan that institutes best practices to address internal and external disparities and builds an organizational culture that is 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, national origin, religion, gender identity, disability status, tribe, culture, income, immigration status, or English language proficiency, with respect to the planning, projects, policies, services, and operations of Valley Water. •Continue to collaborate with external stakeholders that are engaged in developing diversity, equity, and inclusion initiatives and actively participate in and provide leadership for diversity, equity, and inclusion efforts throughout the state. •Advance and foster mutually beneficial partnerships with regional tribal communities. 	Diversity & Inclusion Ad Hoc Committee (DIAHC)
10	Review and Comment to the Board on the Fiscal Year 2023 – 2024 Proposed Groundwater Production Charges	April 3	•Review and comment to the Board on the Fiscal Year 2024 Proposed Groundwater Production Charges. (Action)	

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

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Santa Clara Valley Water District

File No.: 22-1461

Agenda Date: 1/9/2023

Item No.: 6.1.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Standing Items Report.

RECOMMENDATION:

Standing Items Report

This item allows the Agricultural Water Advisory Committee to receive verbal or written updates and discuss the Board's Fiscal Year 2023 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 Valley Water's mission, and to identify Board-related issues.

On January 2022, 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:

Candice Kwok-Smith, 408-630-3193

FY2022-2023 BOARD WORK PLAN – STANDING ITEMS REPORT

December 2022

INTEGRATED WATER RESOURCES MANAGEMENT GOAL: Efficiently manage water resources across business areas.	
Objective 1:	Protect and maintain existing assets and infrastructure and advance new projects.
Updates:	<ul style="list-style-type: none"> • The Draft Watersheds and Water Utility Five-Year Operations and Maintenance and Asset Renewal Program Plans is scheduled to be presented to the Board of Directors at the January 10, 2023 Board Meeting. • On a monthly basis, updates on the current status and phases of all projects that are part of Valley Water's Capital Improvement Program (CIP) are provided to the Board's CIP Committee. The Board will hold a Work Study Session on the Draft Preliminary Five-Year FY2023-2027 CIP at the January 10, 2023 Board Meeting.
Objective 2:	Improve internal capacity to acquire regulatory permits.
Updates:	<ul style="list-style-type: none"> • Valley Water continues to hold and participate in regular technical and permitting discussions with resource agencies including monthly interagency or Technical Work Group meetings as well as single agency meetings with National Marine Fisheries Service, California Department of Fish and Wildlife, U.S. Fish and Wildlife, State Water Resources Control Board, Regional Water Quality Control Board, U.S. Army Corps of Engineers, and the Federal Energy Regulatory Commission. • On September 14, 2022, Valley Water hosted staff from National Marine Fisheries Service (NMFS), California Department of Fish and Wildlife (CDFW), and San Francisco Bay Regional Water Quality Control Board (SFWQB) on a site tour of three watershed project sites: a fish ladder project at Evelyn Avenue on Stevens Creek, currently under design, Upper Guadalupe gravel augmentation site, which completed construction in 2021, and Coyote Percolation Ponds flashboard dam replacement, currently under design. All three sites have fish ladder/habitat improvement elements where resource agencies were interested in understanding site conditions, assess effectiveness as well as give feedback.
Objective 3:	Educate the community, elected officials and external stakeholders on our management of water resources in Santa Clara County.
Updates:	<ul style="list-style-type: none"> • On August 26, 2022, Valley Water convened elected officials, business leaders, agricultural leaders, and environmental advocates from throughout Silicon Valley at the 2022 Water Summit to discuss current water supply challenges and address the drought and worsening climate change impacts. • For the first time since the pandemic, Valley Water returned to Washington, D.C., September 19–21, 2022 to meet with congressional offices and agency staff, including Members of the Santa Clara County congressional delegation, the offices of Senators Feinstein and Padilla, key committees, and the Bureau of Reclamation to advocate for drought funding and passage of important legislation, such as the Water Resources Development Act. • On October 14, 2022, Valley Water hosted elected officials and key advocacy stakeholders from the public, non–profit, and private sectors on a VIP Water Walk Tour to educate and engage them on critical water infrastructure projects including Anderson Dam, Alamosos Groundwater Recharge Ponds, the Upper Guadalupe River Flood Protection and South San Francisco Bay Shoreline Projects, and Silicon Valley Advanced Water Purification Center. • In October 2022, Valley Water relaunched in-person public tours of the Silicon Valley Advanced Water Purification Center and experienced maximum capacity turnout in its first few tours. • So far in FY23, Valley Water's Education Outreach Program has reached nearly 4,300 students and educators and its Water Infrastructure and Purification Tours have been given to 384 members of the public. • Valley Water continues to provide an update on the current drought response and water supply status at the first Board Meeting of each month.

WATER SUPPLY GOAL: Provide a reliable, safe, and affordable water supply for current and future generations in all communities served.	
Objective 1:	Pursue new and diversified water supply and storage opportunities.
Updates:	<ul style="list-style-type: none"> Valley Water continues to explore opportunities to develop new surface and groundwater storage projects that help Valley Water meet future water supply needs and be resilient to climate change, including determining participation levels and identifying partnerships. At the November 22, 2022 Board Meeting, the Board approved the Los Vaqueros Reservoir Expansion Multi-party Agreement Amendment No. 4 to continue the planning and design of the Los Vaqueros Project.
Objective 2:	Secure existing water supplies and water supply infrastructure
Updates:	<ul style="list-style-type: none"> Valley Water continues to participate in and influence decisions regarding the Delta Conveyance Project. On December 19, 2022, the U.S. Army Corps of Engineers (USACE) released a Draft Environmental Impact Statement (DEIS) for the proposed Delta Conveyance Project (DCP). Valley Water is reviewing the DEIS and will provide comments if warranted.
Objective 3:	Lead Recycled and Purified Water Efforts with committed partners.
Updates:	<ul style="list-style-type: none"> In September 2022, the Palo Alto City Council conducted a study session on a future water purification facility in the City of Palo Alto and since then Valley Water has been meeting with staff from Palo Alto to collaborate on agreements and refine regulatory requirements. Discussions have continued with the City of San Jose on future purified water projects.
Objective 4:	Complete the Anderson Dam Seismic Retrofit Project.
Updates:	<ul style="list-style-type: none"> Construction has begun on the Anderson Dam Tunnel Project, a component of the Federal Energy Regulatory Commission Order Compliance Project (FOCP). A soil nail wall to strengthen roughly 15,000 square feet of hillside was completed and excavation for the new diversion outlet tunnel has commenced.
Objective 5:	Making water conservation a California way of life in Santa Clara County.
Updates:	<ul style="list-style-type: none"> Valley Water continues to provide an update on the current drought response and water supply status at the first Board Meeting of each month. At the August 9, 2022 Board Meeting, Valley Water's Youth Commission presented a Drought Awareness & Conservation Toolkit to engage their peers and bring attention to the severity of the drought. The Toolkit includes a social media campaign, a series of conservation stickers, video resources and a push for young people to take a conservation pledge. At the September 9, 2022 Board Meeting, the Board adopted a First Amended and Restated Ordinance that provides water retailers additional opportunities to undertake enforcement measures that address water waste and ban irrigation of commercial, industrial and institutional non-functional turf. On September 29, 2022, a collaborative press conference with the state's Save Our Water team supporting California Secretary of Natural Resources Wade Crowfoot was held at the Google Bay View campus in Mountain View. The event put a spotlight on the continuous need to conserve water and our commercial rebate offerings to the local business community. Since July 2022, Valley Water has met or exceeded our countywide conservation targets of a 15% reduction in water use compared to 2019.

NATURAL FLOOD PROTECTION GOAL: Provide Natural Flood Protection to reduce risk and improve health and safety.	
Objective 1:	Protect people and property from flooding by applying a comprehensive, integrated watershed management approach that balances environmental quality, sustainability, and cost.
Updates:	<ul style="list-style-type: none"> As part of the One Water Plan, Valley Water continues to develop watershed plans for Upper Pajaro River and Guadalupe River Watersheds. On a monthly basis, updates on the current status and phases of all projects that are part of Valley Water's Capital Improvement Program (CIP) are provided to the Board's CIP Committee. The Board will hold a Work Study Session on the Draft Preliminary Five-Year FY2023-2027 CIP at the January 10, 2023 Board Meeting.
Objective 2:	Provide flood protection equitably in all regions of the County, prioritizing disadvantaged communities.
Updates:	<ul style="list-style-type: none"> On a monthly basis, updates on the current status and phases of all projects that are part of Valley Water's Capital Improvement Program (CIP) are provided to the Board's CIP Committee. The Board will hold a Work Study Session on the Draft Preliminary Five-Year FY2023-2027 CIP at the January 10, 2023 Board Meeting.

ENVIRONMENTAL STEWARDSHIP GOAL: Sustain ecosystem health while managing local water resources for flood protection and water supply.	
Objective 1:	Plan and design projects with multiple benefits, including protecting ecosystem functions, enhancing habitat, and improving connectivity, equitably in all regions of the county.
Updates:	<ul style="list-style-type: none"> As part of the One Water Plan, Valley Water continues to develop watershed plans for Upper Pajaro River and Guadalupe River Watersheds. In June 2022, Valley Water began construction of the Hale Creek Enhancement Pilot Project, which is designed to increase channel flood capacity and improve the ecology of the creek system. In coordination with the San Francisco Bay Regional Water Quality Control Board, this project has been prioritized and selected for a pilot study to restore geomorphic creek features in a confined urban setting.
Objective 2:	Protect creeks, bay, and other aquatic ecosystems from threats of pollution and degradation.
Updates:	<ul style="list-style-type: none"> At the August 23, 2022 Board Meeting, the Board approved the implementation of a Water Resources Encampment Risk Assessment to aid staff in documenting and assessing risks related to encampments on Valley Water lands and help determine how to prioritize encampments for abatement. In the first quarter of FY23, Valley Water staff removed 246.15 tons of trash, debris and hazardous pollutants along our waterways. Valley Water, in partnership with the California Coastal Commission and the Creek Connections Action Group (CCAG), coordinated Coastal Cleanup Day in Santa Clara County on September 17, 2022. This year, 1,056 volunteers at 40 cleanup sites removed 28,130 pounds of litter from 53 miles of waterways and natural spaces in Santa Clara County.
Objective 3:	Complete and implement the Fisheries and Aquatic Habitat Collaborative Effort (FAHCE) agreement.
Updates:	<ul style="list-style-type: none"> Valley Water continues to coordinate the FAHCE Plus Pilot Flow Project for Guadalupe Creek and Stevens Creek initiated on October 1, 2020. Valley Water is preparing for a one-year extension of the two-year pilot flow study. In August 2022, Valley Water completed the Uvas Creek Fish Habitat Improvement Project which helps restore and maintain healthy steelhead trout populations by improving fish passage and habitat.

CLIMATE CHANGE GOAL: Mitigate carbon emissions and adapt Valley Water operations to climate change impacts.	
Objective:	Address future impacts of climate change to Valley Water's mission and operations.
Updates:	<ul style="list-style-type: none"> • Since the Board's adoption of Valley Water's Climate Change Action Plan (CCAP), Valley Water is in the process of developing an agency-wide Greenhouse Gas (GHG) Reduction Plan.

BUSINESS MANAGEMENT GOAL: Promote effective management of water supply, flood protection, and environmental stewardship through responsive and socially responsible business services.	
Objective 1:	Incorporate racial equity, diversity and inclusion throughout Valley Water as a core value.
Updates:	<ul style="list-style-type: none"> • Valley Water's Board of Directors have passed resolutions recognizing the following so far this fiscal year: National Hispanic Heritage Month, National Polish American Heritage Month, National German American Heritage Month, National Italian American Heritage Month, Filipino American History Month, National Disability Employment Awareness Month & the 32nd Anniversary of the Americans with Disabilities Act, and National Native American Heritage Month. • Valley Water Board Members continue to actively collaborate with and support the Association of California Water Agencies (ACWA) on their efforts to promote diversity, equity and inclusion (DEI) within the water industry.
Objective 2:	Maintain appropriate staffing levels and expertise while prioritizing the safety of our staff.
Updates:	<ul style="list-style-type: none"> • Valley Water successfully partnered with its three bargaining groups to implement new four-year Memorandums of Understanding (MOUs). • 185 open positions have been filled so far in FY23, with nearly 40% filled through internal promotions. • In partnership with Valley Water's Human Resources and Communications teams, a one-minute recruitment video was developed promoting Valley Water as a great place to work and shared widely on social media.
Objective 3:	Provide affordable and cost-effective level of services.
Updates:	<ul style="list-style-type: none"> • A biennial budget was implemented for the FY23 budget cycle, the first time a biennial budget has been used at Valley Water since 2005. • At the September 27, 2022 Board Meeting, the Board approved changes to update Board Governance Policy Executive Limitations EL-4: Financial Management. • So far in FY23, Valley Water has received \$6.7 million in grant awards, including \$5.8 million for the Cross Valley Pipeline Extension Project. • As of December 2022, Valley Water's Low Income Water Rate Assistance Program (WRAP), in partnership with Sacred Heart Community Services, has assisted over 1,600 households with funding towards their water bills.

