

September 29, 2021

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

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

Representative

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

Representative

Mitchell Mariani

David Vanni
Brent Bonino
Michael Miller
Robert Long

The regular meeting of the Agricultural Water Advisory Committee is scheduled to be held on **Monday, October 4, 2021, at 1:30 p.m.**, Join Zoom Meeting

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

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

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

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

Members with two or more consecutive unexcused absences will be subject to rescinded membership.

Please confirm your attendance no later than **1:00 p.m., Thursday, September 30 2021**, by contacting Ms. Glenna Brambill at 1-408-630-2408, or gbrambill@valleywater.org.

Enclosures



Agricultural Water Advisory Committee Meeting

Join Zoom Meeting Information:

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

Meeting ID: 988 5090 5996

One tap mobile

+16699009128,,98850905996# US (San Jose)

Dial by your location

+1 669 900 9128 US (San Jose)

Meeting ID: 988 5090 5996



Santa Clara Valley Water District Agricultural Water Advisory Committee Meeting

Teleconference Via Zoom

Join Zoom Meeting

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

REGULAR MEETING AGENDA

**Monday, October 4, 2021
1:30 PM**

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

David Vanni, Chair
Jan Garrod, Vice Chair

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

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

Mr. Darin Taylor, (Staff
Liaison)

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

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

**Santa Clara Valley Water District
Agricultural Water Advisory Committee**

**REGULAR MEETING
AGENDA**

Monday, October 4, 2021

1:30 PM

Teleconference Via Zoom

IMPORTANT NOTICES

This meeting is being held in accordance with the Brown Act as currently in effect and Santa Clara Valley Water District Resolution 21-85, adopted on September 28, 2021, in compliance with the provisions of AB361 (Rivas), that allows attendance by members of the Board of Directors, Board Committees, District staff, and the public to conduct and participate in meetings of the legislative bodies by teleconference, videoconference, or both.

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 Zoom meeting link listed on the agenda, at the time the item is call. Speakers will be acknowledged by the Board Chair in the order requests are received and granted speaking access to address the Board.

Santa Clara Valley Water District (District), in complying with the Americans with Disabilities Act (ADA), requests individuals who require special accommodations to access and/or participate in District Board meetings to please contact the Clerk of the Board's office at (408) 630-2711, at least 3 business days before the scheduled District Board meeting to ensure that the District 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 the District on the Municipal Securities Rulemaking Board's Electronic Municipal Market Access System for municipal securities disclosures and Valley Water's Investor Relations website, maintained on the World Wide Web at <https://emma.msrb.org/> and <https://www.valleywater.org/how-we-operate/financebudget/investor-relations>, respectively.

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

Join Zoom Meeting

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

Dial by your location

+1 669 900 9128 US (San Jose)

Meeting ID: 988 5090 5996

1. CALL TO ORDER:

1.1. Roll Call.

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

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

3. APPROVAL OF MINUTES:

3.1. Approval of Minutes.

[21-0997](#)

Recommendation: Approve the July 12, 2021, Meeting Minutes.

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

Attachments: [Attachment 1: 07122021 Ag Water Draft Mins](#)

Est. Staff Time: 5 Minutes

4. ACTION ITEMS:

- 4.1. Drought Response Update. [21-0998](#)
Recommendation: Receive Drought Update.
Manager: Vincent Gin, 408-630-2633
Attachments: [Attachment 1: PowerPoint Presentation](#)
Est. Staff Time: 15 Minutes
- 4.2. Agricultural Mobile Irrigation Lab and Agricultural Water Use Baseline Study Update. [21-0999](#)
Recommendation: Receive information on the Agricultural Mobile Irrigation Lab and Agricultural Water Use Baseline Study.
Manager: Kirsten Struve, 408-630-3138
Attachments: [Attachment 1: SCVWD MIL](#)
Est. Staff Time: 15 Minutes
- 4.3. Pacheco Reservoir Expansion Project Update. [21-1000](#)
Recommendation: Receive information on Pacheco Reservoir Expansion Project (PREP).
Manager: Christopher Hakes, 408-630-3796
Est. Staff Time: 10 Minutes
- 4.4. Review Agricultural Water Advisory Committee Work Plan, the Outcomes of Board Action of Committee Requests; and the Committee's Next Meeting Agenda. [21-1001](#)
Recommendation: Review the Committee work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.
Manager: Michele King, 408-630-2711
Attachments: [Attachment 1: 2021 Ag Water Work Plan](#)
Est. Staff Time: 10 Minutes

5. INFORMATION ITEMS:

- 5.1. Working Group Report Update. [21-1002](#)
Recommendation: The Working Group will provide an update on the research and solutions on water supply concerns.
Manager: Candice Kwok-Smith, 408-630-3193
Est. Staff Time: 5 Minutes

6. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

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

7. REPORTS:

7.1. Director's Report

7.2. Manager's Report

7.3. Committee Member Report

7.4. Informational 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

8. ADJOURN:

8.1. Adjourn to Regular Meeting at 1:30 p.m., on Monday, January 3, 2022, to be called to order in compliance with the Brown Act as currently in effect and Santa Clara Valley Water District Resolution 21-85, adopted on September 28, 2021, in compliance with the provisions of AB361 (Rivas).



Santa Clara Valley Water District

File No.: 21-0997

Agenda Date: 10/4/2021
Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Approval of Minutes.

RECOMMENDATION:

Approve the July 12, 2021, Meeting Minutes.

SUMMARY:

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

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

ATTACHMENTS:

Attachment 1: 07122021, Ag Water Draft Meeting Mins.

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193



AGRICULTURAL WATER ADVISORY COMMITTEE MEETING

DRAFT MINUTES

MONDAY, JULY 12, 2021
1:30 PM

A regularly scheduled meeting of the Agricultural Water Advisory Committee was held on July 12, 2021, Teleconference via Zoom in San Jose, California.

1. CALL TO ORDER/ROLL CALL

Chair David Vanni called the meeting to order at 1:33 p.m.

Members in attendance were:

Jurisdiction

District 1

District 2

District 3

District 4

District 5

District 6

Loma Prieta Resource Conservation District

Representative

Mitchell Mariani

James Provenzano*

William Cilker

David Vanni

Sheila Barry

Jan Garrod

Tim Chiala

Robert Long

Peter Van Dyke

Member not in attendance was:

Jurisdiction

District 1

District 4

District 5

District 7

Private Well Owner (Non-Retail)

Representative

Russ Bonino

Brent Bonino

Michael Miller

Sandra Carrico

Dhruv Khanna

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

Staff members in attendance were: Aaron Baker, Lisa Bankosh, Neeta Bijoor, Glenna Brambill, Justin Burks, Enrique De Anda, Vanessa De La Piedra, Melissa Fels, Vincent Gin, Samantha Greene, Candice Kwok-Smith, Brian Mendenhall, Maggie O'Shea, Ashley Shannon, Kirsten Struve, and Gregory Williams.

Attachment 1
Page 1 of 4

Guests in attendance were: Guests in attendance were: Josue Medellin-Azuara and Joshua Viers (University of Merced).

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 Mr. Jan Garrod second by Mr. Robert Long and by roll call and unanimous vote approved the April 5, 2021, Agricultural Water Advisory Committee meeting minutes, as presented.

*Mr. James Provenzano logged on at 1:41 p.m.

4. ACTION ITEMS:

4.1 WATER SHORTAGE EMERGENCY CONDITION AND CALL FOR CONSERVATION

Mr. Aaron Baker and Ms. Samantha Greene reviewed the materials as outlined in the agenda.

The Agricultural Water Advisory Committee (Mr. Peter Van Dyke, Mr. Jan Garrod, Mr. Tim Chiala, and Ms. Sheila Barry) discussed the following: drought, emergency conditions, recycled water, reservoir and dam projects, recharge, rebate programs, water banking, water usage concerns, desalination, capturing water, grey water, restrictions on water use, surface water users, wells, water levels, and water quality.

Directors Richard P. Santos, John L. Varela, Mr. Vincent Gin, and Mr. Justin Burks were available to answer questions.

The Agricultural Water Advisory Committee took no action:

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4.2 REVIEW FY2022 BOARD WORK PLAN

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

The Agricultural Water Advisory Committee (Mr. Jan Garrod, Mr. Peter Van Dyke, Mr. Tim Chiala, and Ms. Sheila Barry) discussed the following: farmers diverting water, desalination costs and impacts, recycling water, what the committee should be focusing on, and water supply.

Director John L. Varela, Ms. Kirsten Struve, Director Richard P. Santos and Mr. 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

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

The Agricultural Water Advisory Committee took the following action:

It was moved by Mr. Peter Van Dyke, seconded by Mr. Tim Chiala and by roll call and unanimous voted to approve forming a working group to research and find solutions on water supply concerns (cofferdams). The Working Group volunteers are: Ms. Sheila Barry, Mr. Tim Chiala, Mr. Jan Garrod, Mr. Robert (Bob) Long and Mr. Peter Van Dyke.

Next agenda items:

- ❖ Flood Managed Aquifer Recharge (FloodMAR)
- ❖ Drought update
- ❖ Pacheco Reservoir Expansion Project update, and
- ❖ New working group update

5. INFORMATION ITEMS:

5.1 STANDING ITEMS REPORT

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

The Agricultural Water Advisory Committee took no action.

5.2 CLIMATE CHANGE ACTION PLAN

Ms. Lisa Bankosh, Ms. Neeta Bijoor and Ms. Maggie O'Shea reviewed the materials as outlined in the agenda.

The Agricultural Water Advisory Committee took no action.

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

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

7. REPORTS

7.1 Director's Report

Director John L. Varela reported on:

- Anderson Dam Groundbreaking Ceremony
- Valley Water working on plans to re-opening for staff and Board to have on site/in-person meetings

7.2 Manager's Report

None.

7.3 Committee Member Reports

None.

7.4 Informational Link Reports

Add the following Committee of interest links

- ✚ Recycled Water Committee
- ✚ Water Conservation and Demand Management Committee
- ✚ Water Storage Exploratory Committee

8. ADJOURNMENT

Chair David Vanni adjourned at 3:38 p.m. to the regular meeting on Monday, October 4, 2021, at 1:30 p. m. to be called to order in compliance with the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive Order N-08-21.

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

Approved:



Santa Clara Valley Water District

File No.: 21-0998

Agenda Date: 10/4/2021

Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Drought Response Update.

RECOMMENDATION:

Receive Drought Update.

SUMMARY:

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

The U.S. Drought Monitor Report from August 17, 2021, indicates that the majority of the County is in extreme drought, and the northeastern portion of the County is in exceptional drought. The Sierra Nevada snowpack, a primary source of imported water, is at 0% of average as of August 30, 2021, and 0% of average statewide.

Reflecting critically dry conditions across the state, the Central Valley Project and State Water Project have drastically reduced imported water allocations, which comprise half of Valley Water's typical annual water supply. Valley Water has been negotiating purchases of emergency transfer water supplies; however, potential state regulatory actions pose significant uncertainty to water transfers. Of the 71,500 AF Central Valley Project Municipal and Industrial allocation, about 28,500 AF was conditionally approved Public Health & Safety water from Reclamation with deliveries of this water planned for July through October. To date in 2021, Valley Water has secured agreements for about 50,000 AF of transfer supplies (not taking into account conveyance losses across the Delta).

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

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

Water Conservation Programs

Valley Water continues to conduct public outreach to encourage water conservation and participation in Valley Water's conservation programs. Participation in these programs has increased dramatically in 2021.

Valley Water is also conducting monthly meetings with the Farm Bureau to highlight Valley Water's conservation programs. Director Santos and Director Varela are participating in these meetings. The first meeting was held on August 27, 2021.

As part of Resolution 21-68 adopted on June 9, 2021, Valley Water commits to aggressively promote water conservation programs to all water users including agriculture and urges Santa Clara County farmers to consider the water shortage emergency condition in planting and irrigation practices. Valley Water mailed letters to agricultural groundwater pumpers in July 2021 to inform them of the call for water use reduction and encourage participation in Valley Water's conservation programs. Valley Water has several conservation programs for agriculture, such as the Mobile Irrigation Lab, and is currently developing an agricultural water use baseline study.

Countywide Water Use Reduction

Valley Water is engaging with local government officials to encourage drought response actions. As of August 31, 2021, 11 of 15 cities in Santa Clara County have acted in response to the extreme drought conditions and to Valley Water's call to reduce water use by 15% compared to 2019 levels. These actions ranged from adopting local emergency resolutions to encouraging residents and businesses to use less water. Many jurisdictions also activated their citywide Water Shortage Contingency Plans to immediately implement mandatory water-use restrictions and other conservation measures.

Countywide, the percent change of water used compared to 2019 has been steadily decreasing since March 2021, showing that retailers, cities, and our communities are responding to the call for conservation. In March 2021, water use in Santa Clara County was 25% higher when compared to March 2019. In July 2021, Santa Clara County used 6% less water compared to July 2019. Valley Water anticipated that reducing water use countywide by 15% would be a gradual process, however it is encouraging to see the numbers trending in the right direction.

ATTACHMENTS:

Attachment 1: PowerPoint Presentation

UNCLASSIFIED MANAGER:

Vincent Gin, 408-630-2633

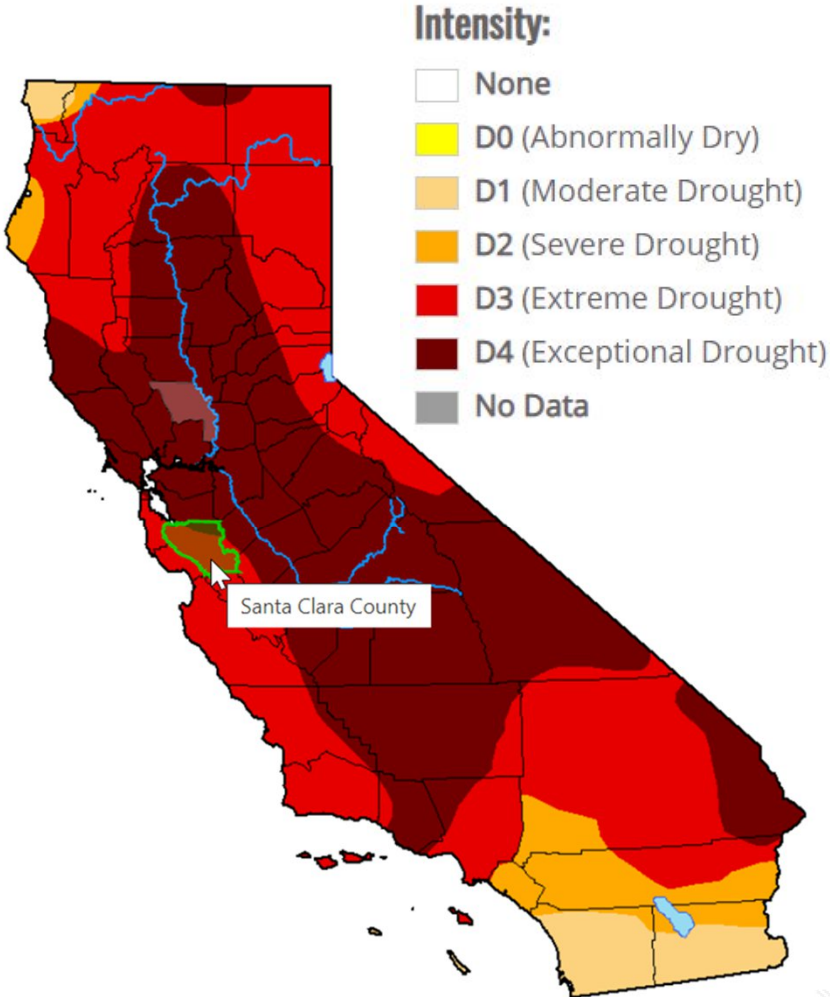
Drought Response Update

Agricultural Water Advisory Committee Meeting
October 4, 2021



Drought Status

Aug 3 U.S. Drought Monitor:
County in
Extreme/Exceptional
Drought



valleywater.org

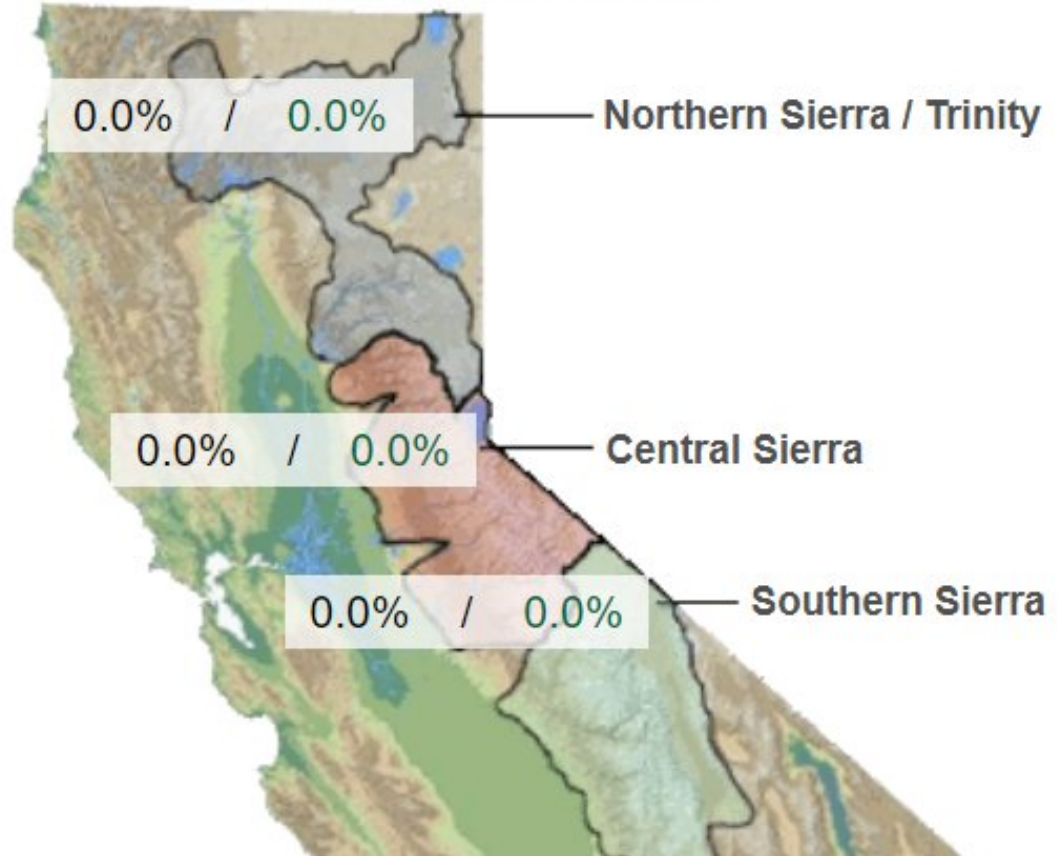


Data For: 30-Aug-2021

% Apr 1 Avg. / % Normal for this Date

Snowpack:

Zero percent of average



Collaboration

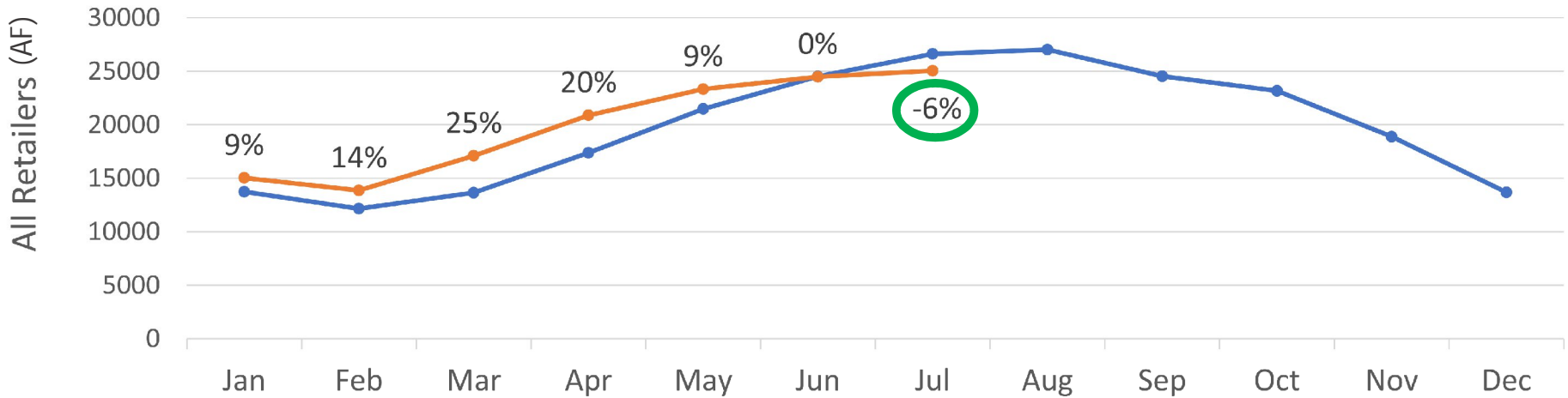
Jurisdictions that have taken Drought Action:

- Santa Clara County
- Morgan Hill
- Los Altos
- Santa Clara
- Saratoga
- Cupertino
- Sunnyvale
- Los Altos Hills
- Gilroy
- Campbell
- Los Gatos
- Milpitas

Steady drop in retailer water use compared to 2019

— 2019 — 2021

The percent increase (+) or percent decrease (-) in water use from 2019 to 2021 is shown for each month.



Imported Water

State Water Project: 5% (5 TAF 2021)

Central Valley Project: (~71.5 TAF 2021)

0% Agriculture

25% Municipal & Industrial*

28,500 AF of Public Health & Safety Supplies*

*Conditionally approved

On track to have 50 TAF of transfers (~38 TAF after estimated 30% losses) delivered in 2021.



Groundwater Conditions and Recharge

Groundwater Conditions

- Groundwater levels and storage continue to decline
- Risk of subsidence (N. County), wells going dry in 2022 without emergency imported water supplies, additional conservation

Managed Recharge

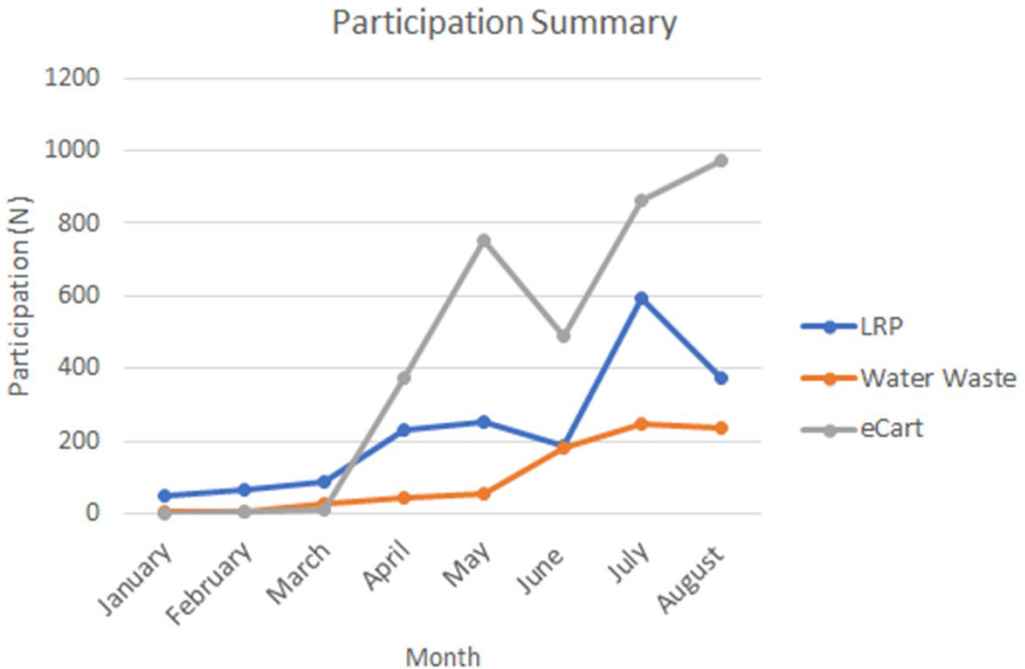
- Scaled back in May 2021
- Increased in late August



Stevens Creek Reservoir

Water Conservation Programs

- Increased participation in programs
- Farm Bureau meetings to highlight agricultural programs





Santa Clara Valley Water District

File No.: 21-0999

Agenda Date: 10/4/2021

Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Agricultural Mobile Irrigation Lab and Agricultural Water Use Baseline Study Update.

RECOMMENDATION:

Receive information on the Agricultural Mobile Irrigation Lab and Agricultural Water Use Baseline Study.

SUMMARY:

The Agricultural Water Use Baseline Study (Study) was initiated in April 2019 based on a recommendation from the Water Conservation and Demand Management Committee (WCaDMC) meeting to better understand current agricultural water use practices and identify opportunities for additional water conservation. The Study is making progress after a delay caused by the original contractor pulling out of the project. Through a new agreement with the UC Regents, their team has made progress using a remote-sensing based data approach to determine patterns in crop distribution and irrigation technology verification. The team will continue their analysis and the Study is on track to be completed by the end of 2023. A local subject matter expert has also been added to assist the team in determining if potential water efficiency program and projects make sense for the Santa Clara County agricultural community. Staff will keep the Committee updated on the progress of the Study.

Additionally, under this agenda item, Santa Clara Valley Water District's Agricultural Mobile Irrigation Lab (Mobile Lab) contractor, Michael Johnson of California H2orticulture will present an overview of the program to the Committee. The Mobile Lab provides technical services for growers in Santa Clara County including:

- Irrigation system evaluations,
- Seasonal irrigation and soil moisture monitoring,
- Irrigation system design consultation,
- Irrigation scheduling decision support, and
- Connecting growers to network of agency resources.

The presentation will include an overview of the program, benefits of participation, and examples of the evaluations performed.

ATTACHMENTS:

Attachment 1: Mobile Agricultural Mobile Lab Presentation

File No.: 21-0999

Agenda Date: 10/4/2021
Item No.: 4.2.

UNCLASSIFIED MANAGER:
Kirsten Struve, 408-630-3138

Valley Water Agricultural Mobile Irrigation Lab Program



Presented by: Michael Johnson
California H₂orticulture Services



Valley Water

Valley Water MIL Program Goals: **Provide a technical service for growers in the Valley Water service area that can address the needs of sophisticated agricultural irrigation systems**

- Provide growers with information on how to achieve an irrigation efficiency (IE) of 80% or greater
- Perform robust irrigation system evaluation and calculation of distribution uniformity (DU)
- Utilize knowledge of regional agriculture and economic challenges
- Connect to network of agency resources

Why improve irrigation management?

- Improve or at least maintain consistencies in crop production and quality
- Water availability and ongoing drought
- Conserve fertilizer
- Improve irrigation efficiency
- Water quality: ground and surface water
- Economic benefits

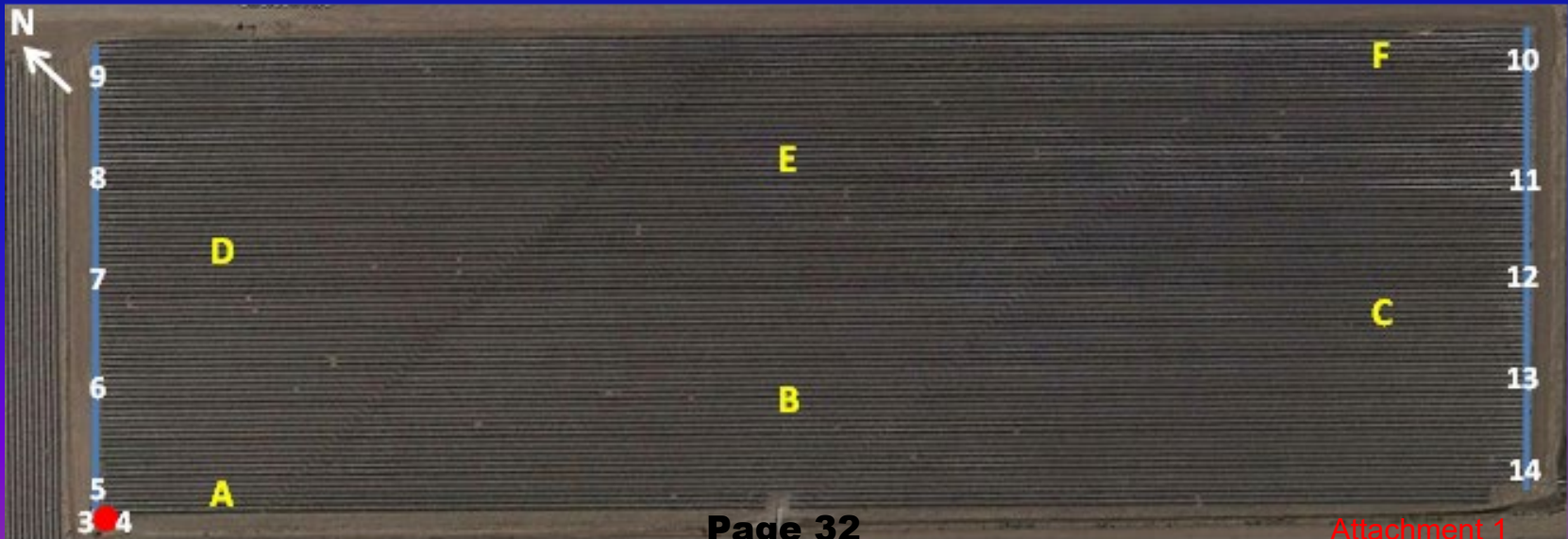
What is the Valley Water MIL Program?

- Free service for growers in Santa Clara County
- Seasonal row crops, tree crops, greenhouse crops
- Subsurface drip, surface drip, overhead sprinklers, micro sprinklers, hand watering
- ✓ Field Work (Evaluations, data collection, monitoring)
- ✓ Data analysis (Spreadsheet tools, datalogger programs)
- ✓ Summary Report
- ✓ Grower consultation
- ✓ Irrigation scheduling recommendations



Irrigation System Evaluations

- Collect all pertinent field and system information
- Describe and map field
- Measure flow rate of system
- Collect water at different areas in field (head, middle, tail)
- Measure discharge rate of sprinklers/emitters



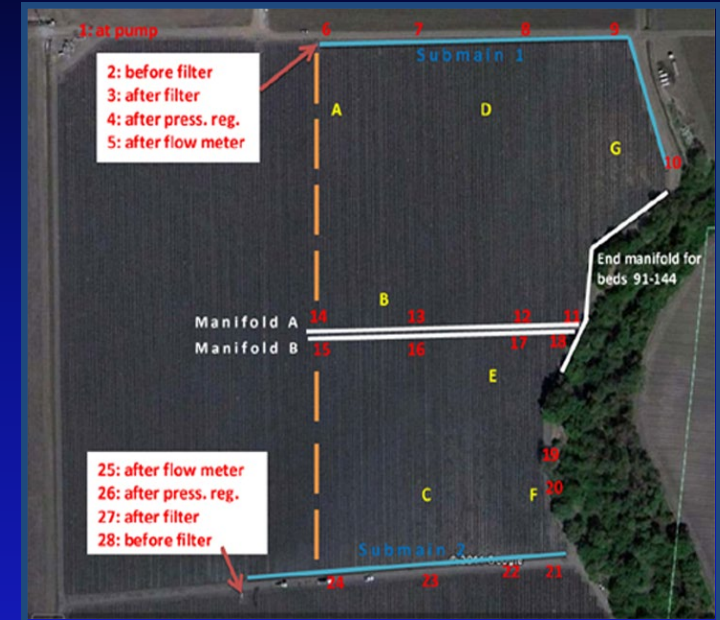
Irrigation System Evaluations

- Measure uniformity of sprinkler pattern
- Measure pressure in main line, submain, lateral lines
- Observe and document leaks and breaks
- Document field conditions that affect irrigation efficiency (wind speed)
- Observe and document areas with ponding water and/or runoff



Irrigation System Evaluations

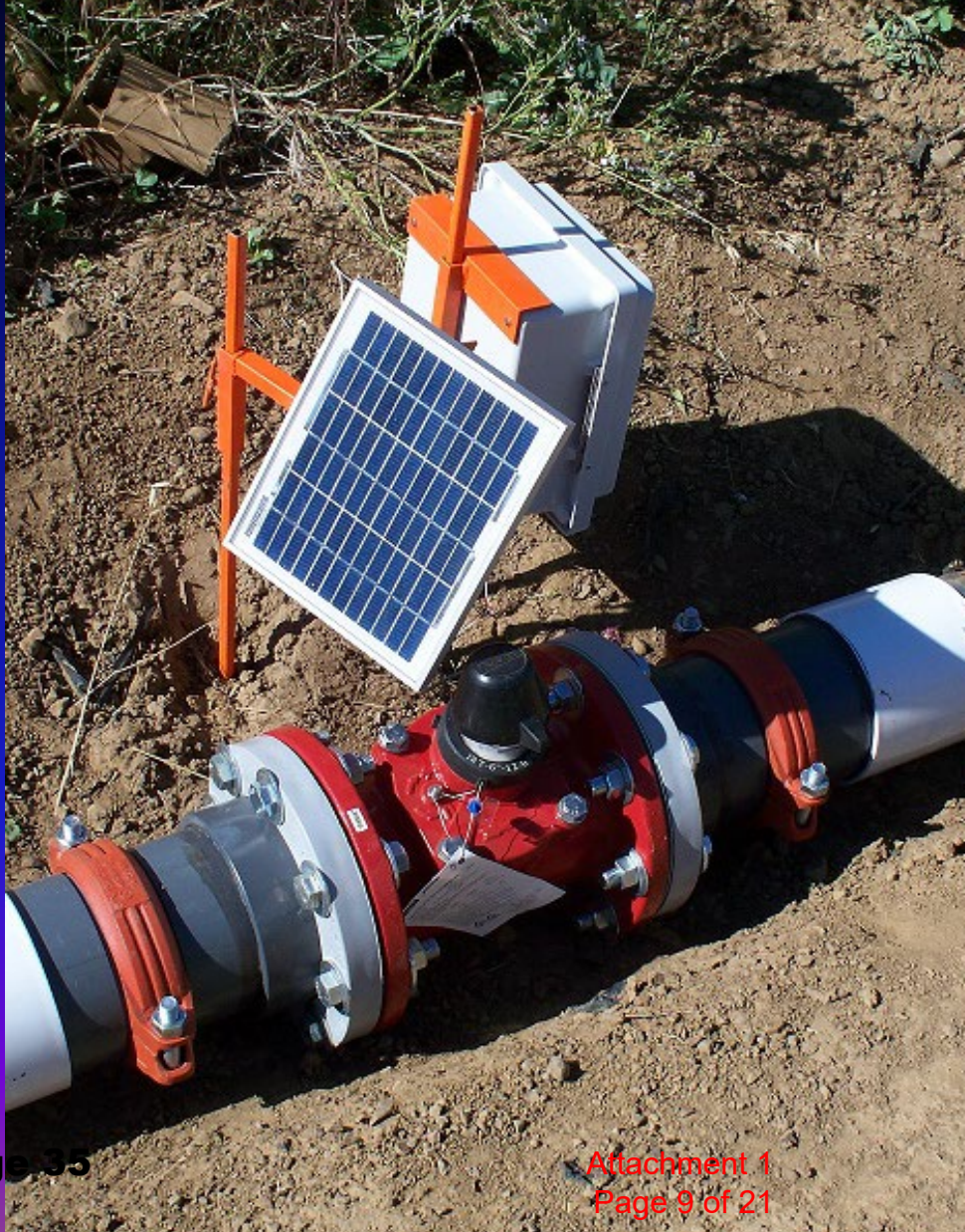
Location	DUIq	Tape Discharge rate	Field application rate
	%	gpm/100 ft	inches/hour
Area A	87.6	0.52	0.25
Area B	88.2	0.48	0.23
Area C	88.6	0.44	0.21
Area D	56.3	0.38	0.18
Area E	87.2	0.45	0.21
Area F	74.7	0.40	0.19
Overall	76.9	0.44	0.21



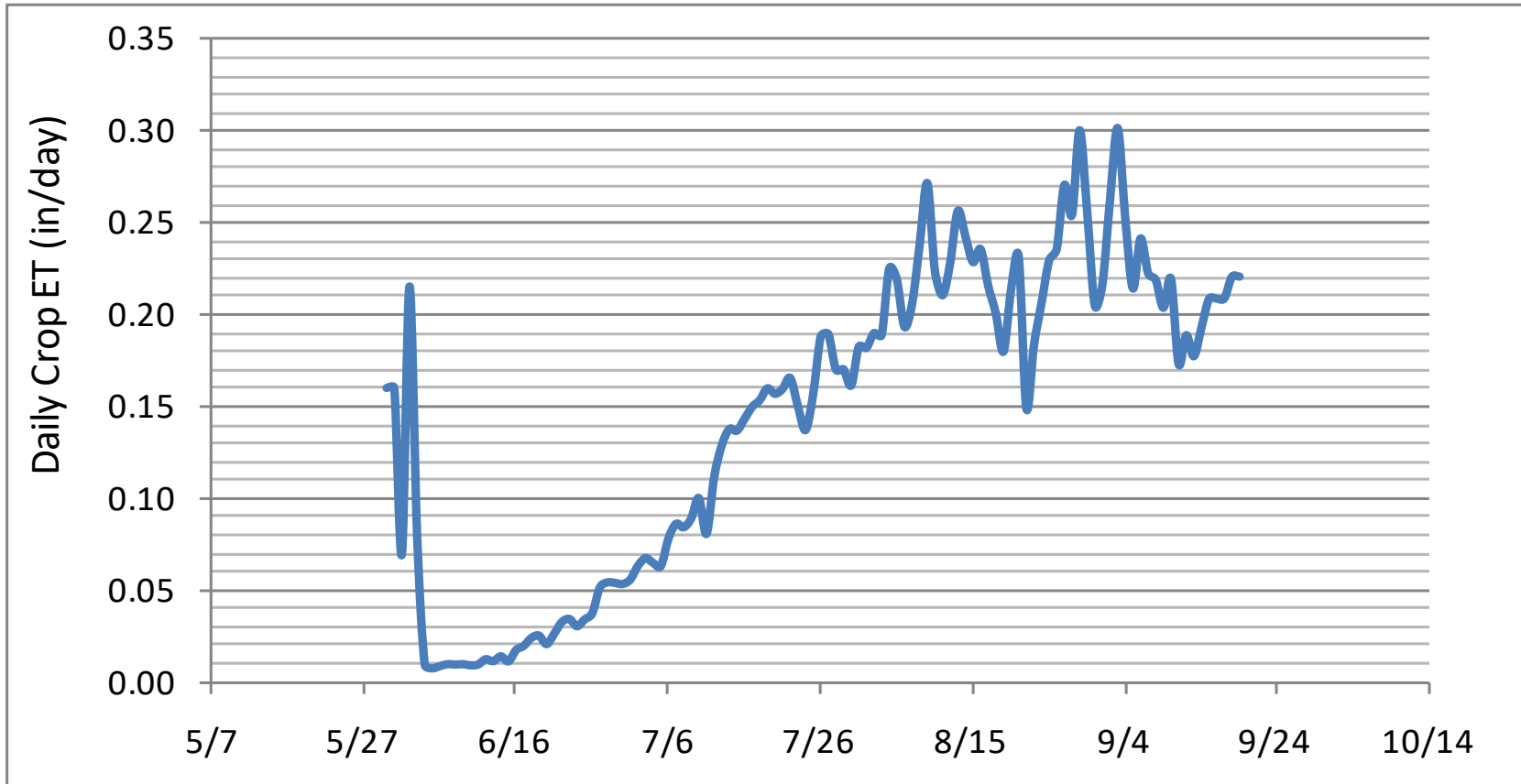
Irrigation System	DUIq		
	Poor	Good	Excellent
Drip	≤ 80	81 - 89	≥ 90
Microsprinkler	≤ 75	76 - 84	≥ 85
Sprinkler	≤ 70	71 - 79	≥ 80
Furrow/Flood	≤ 40	41 - 59	≥ 60

Maintenance is the key to maintaining good DU

Evaluation of Irrigation Scheduling



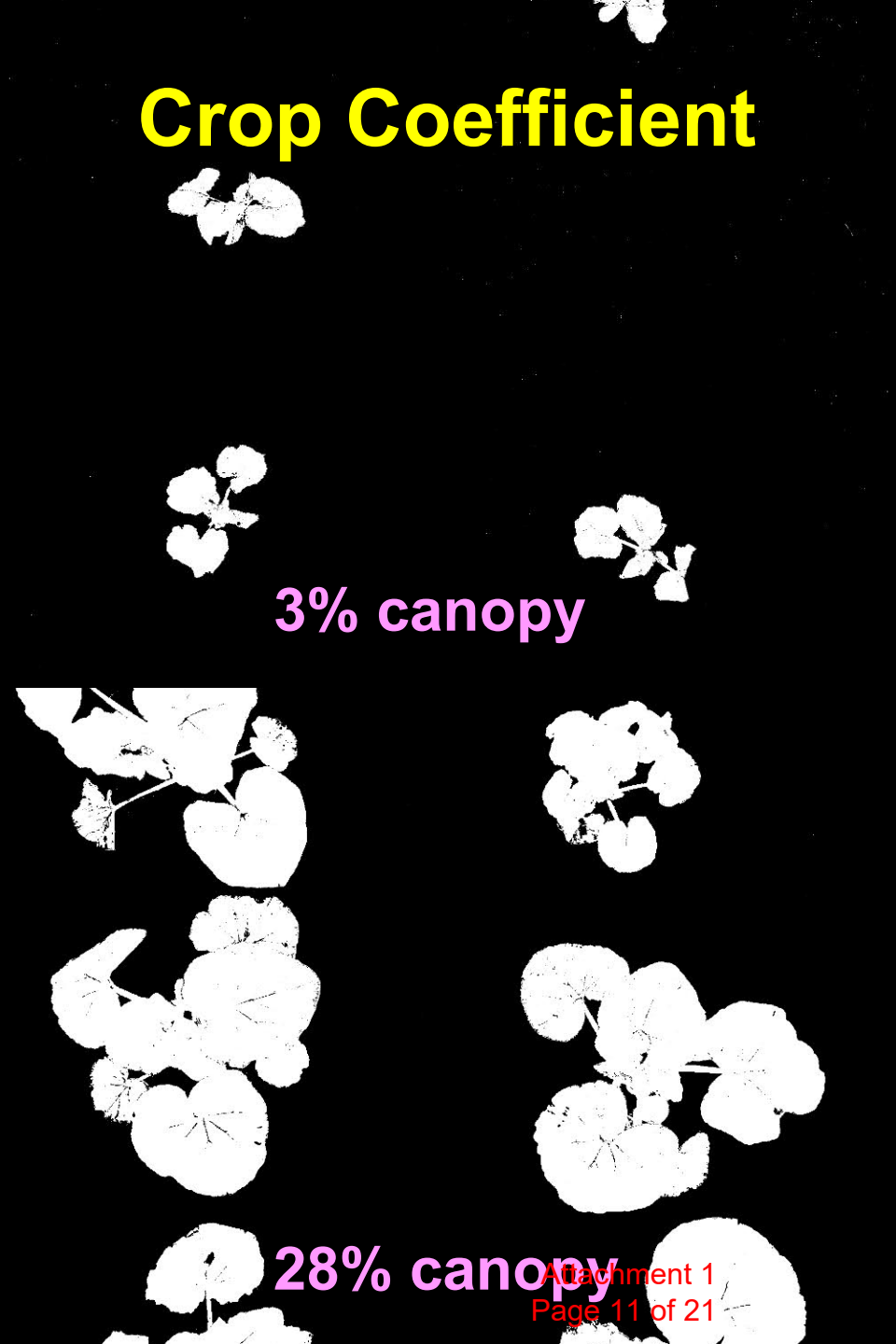
Estimate Crop Water Use



CIMIS reference ET



Crop Coefficient

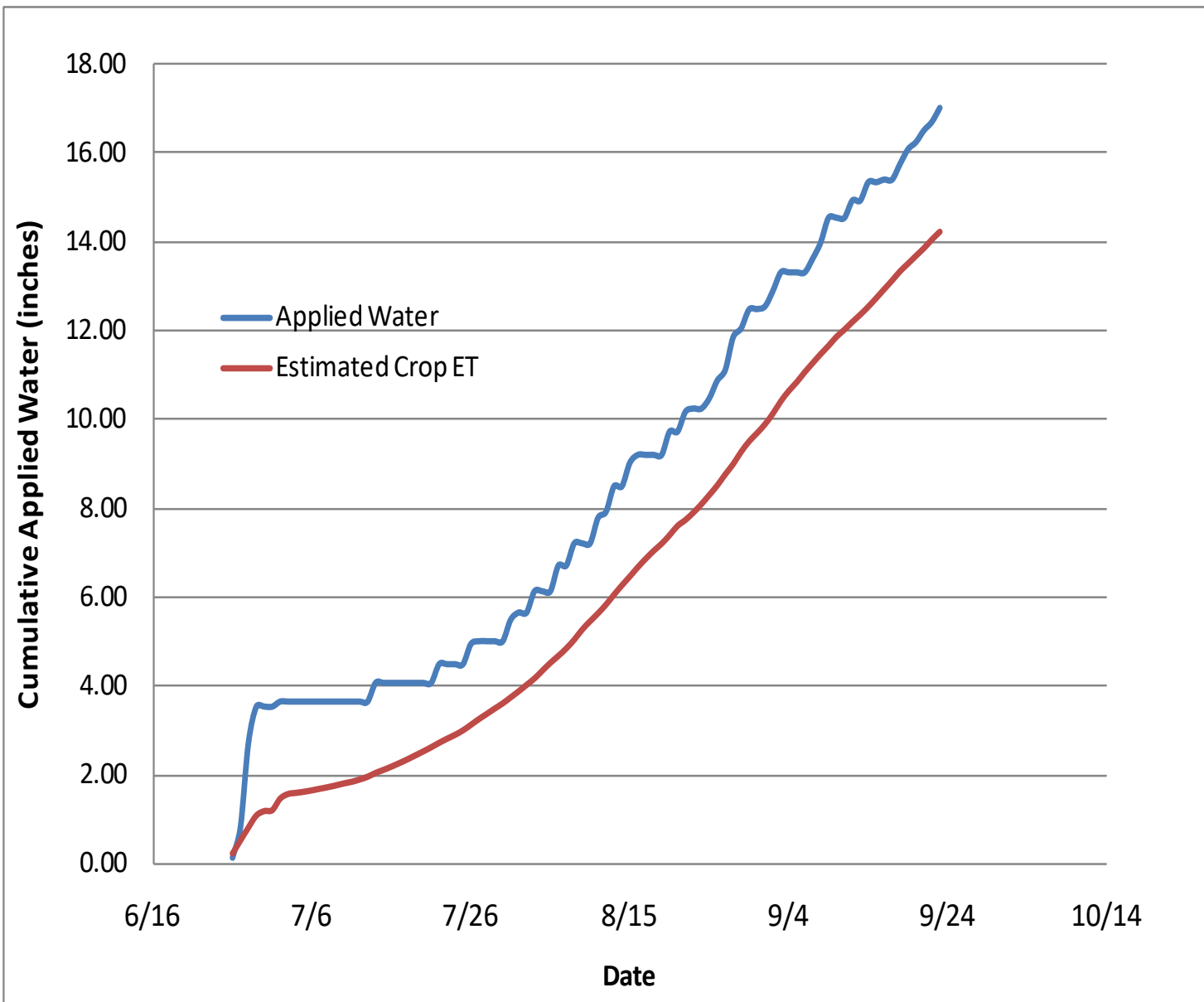


3% canopy

28% canopy

Attachment 1
Page 11 of 21

Compare Crop Water Requirements to Applied Water



☰  Units ▾

Irrigation Data | [Additional Water Data](#)

Add: 

Date	Irrigation Method	Irrigation Interval	Recommended Max Irrigation Interval	CropManage Recommended Amount	Applied Water	Contributing Rainfall
6/12/2020	Drip	N/A	N/A	N/A	8.6 hr	0 in.
6/24/2020	Drip	12 days	3.2 days	9.6 hr	31 hr	0 in.
7/8/2020	Drip	14 days	3.7 days	22 hr	21.2 hr	0 in.
7/15/2020	Drip	7 days	2.5 days	23.8 hr	27.2 hr	0 in.
7/23/2020	Drip	8 days	2.7 days	31.3 hr	14 hr	0 in.
7/31/2020	Drip	8 days	2.6 days	39.1 hr	14.4 hr	0 in.
8/6/2020	Drip	6 days	2.8 days	31.1 hr	26 hr	0 in.
8/13/2020	Drip	7 days	3.1 days	36.4 hr	22.8 hr	0 in.

Totals  14.3 in. (14.3 in. + 0 in.)
[Rainfall Data](#)

15.9 in.
Recommended Water

14.3 in.
Applied Water

0 in.
Contributing Rainfall



Irrigation Efficiency =

Water Requirement of Crop

Total Amount of Water Applied

Irrigation Requirement =

Water Requirement of Crop

Distribution Uniformity

Summary of Irrigation System Evaluations Apr – Jun 2021

- 12 evaluations performed
- Cooperating growers farm over 5,000 acres in Santa Clara County
- Average DUlq = 83%, lowest in sprinklers
- Positive grower feedback

Valley Water Mobile Irrigation Lab DU Evaluations 2021 Q2				
Grower Code	Date of eval	Acres	Irrigation System Type	DU lq
S	4.28.21	20.8	surface drip	79.2%
R	4.29.21	1.3	surface drip	95.6%
R	4.29.21	1.3	overhead sprinkler	84.6%
S	5.07.21	21.7	surface drip	86.7%
O	5.26.21	5.0	surface drip	91.2%
P	5.27.21	10.7	subsurface drip	90.3%
S	6.10.21	7.4	subsurface drip	83.3%
D	6.16.21	0.15	overhead sprinkler	75.3%
D	6.16.21	0.15	overhead sprinkler	68.9%
D	6.17.21	0.15	overhead sprinkler	66.9%
E	6.26.21	8.1	surface drip	90.3%
T	6.30.21	0.84	subsurface drip	80.8%

Irrigation System	DUlq		
	Poor	Good	Excellent
Drip	≤ 80	81 - 89	≥ 90
Microsprinkler	≤ 75	76 - 84	≥ 85
Sprinkler	≤ 70	71 - 79	≥ 80
Furrow/Flood	≤ 40	41 - 59	≥ 60

Common Problems Observed During Evaluations

- Frictional pressure losses along submains and lateral lines
- System pressure variations during irrigation
- Pressure too low in tape
- Leaks at drip tape-lay flat connections
- Material in drip lines
- Plugged emitters
- Worn equipment (nozzles, gaskets)

Keys to Optimizing System Uniformity (Common Recommendations)

- Irrigate during morning, evening, or night
- Evaluate DU and audit operation and maintenance of system
- Operate irrigation system at recommended pressure
- Fix leaks
- Monitor pressure throughout system
- Use pressure regulators at main-submain connections



Irrigation System Maintenance



Practice a regular routine to assure uniform flows and application

Keys to Optimizing System Uniformity (Common Recommendations)

- Conduct regular maintenance to prevent clogging of emitters
- Make sure main and submain diameters are appropriate for flow rates
- Use appropriate filter for water source
- Use appropriate nozzle size for spacing of sprinkler heads
- Be consistent with sprinkler heads and nozzles throughout system
- Replace worn nozzles
- Space lateral lines and sprinkler heads to optimize DU
- Replace worn gaskets
- Replace broken sprinkler heads



Lessons Learned So Far...

- The variety of irrigation systems and commodities requires experienced personnel.
- Most of the evaluation procedures work well with some tweaking based on site specific conditions.
- Collected data gives an accurate picture of how well irrigation systems operate and where they could be improved.
- Time-consuming and valuable work to
 - monitor seasonal field conditions,
 - perform irrigation system evaluations,
 - build relationships with growers,
 - consult on irrigation system designs.

Thank You For Your Time!



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Santa Clara Valley Water District

File No.: 21-1000

Agenda Date: 10/4/2021
Item No.: 4.3.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Pacheco Reservoir Expansion Project Update.

RECOMMENDATION:

Receive information on Pacheco Reservoir Expansion Project (PREP).

SUMMARY:

As the PREP Team completes the project planning phase, significant progress is being made on the draft Environmental Impact Report (EIR) and engineering design. Updates to the project development, funding, and financing are provided below.

Project Development

Staff has received a draft Staff Recommended Alternative (SRA) Report summarizing the alternatives analysis and planning activities. A Planning Study Report (PSR) will be prepared and submitted to the Board of Directors once the SRA Report is finalized. Staff anticipates the PSR will be complete and submitted in November 2021. This will substantially complete the PREP Planning Phase.

Staff is currently reviewing the administrative draft of the Draft Environmental Impact Report (DEIR) that is due to be released for public review and comment in November 2021. A public meeting is being planned for January 2022 to present a summary of the DEIR content and the California Environmental Quality Act (CEQA) process.

The 30% design level plans, specifications, and construction cost estimate are being prepared. Staff has been working with the consultant team to develop the basis of design for several different project elements to be compiled into the 30% design package.

Water Storage Investment Program (WSIP)

On July 24, 2018, the California Water Commission (CWC) awarded Valley Water \$484.6 million of Maximum Conditional Eligibility Determination (MCED) funding for PREP under the State's Water Storage Investment Program (WSIP) program. The MCED was increased to \$496.7 million on February 3, 2021 to reflect an inflation adjustment of approximately 1%. Valley Water executed an Early Funding Agreement with the State on December 10, 2018 for \$24.2 million to fund a portion of certain eligible project costs, including costs related to permitting oversight and coordination, environmental documentation and permit support, data review and problem definition, alternatives analysis, staff-recommended alternative, planning study report and state feasibility report, environmental documentation and regulatory compliance, geotechnical data collection and

investigations and 30% basis of design report.

To remain eligible for the \$496.7 million MCED, Valley Water is statutorily required to meet the following milestones prior to January 1, 2022:

1. All feasibility studies are complete - The State Feasibility Report is being updated with the most current project information.
2. Draft environmental documentation is available for public review - The draft EIR is targeted for release in November 2021.
3. The Director of the Department of Water Resources (DWR) receives commitments for not less than 75 percent of the non-public benefit cost shares of the project - Board approval of a Resolution will be recommended in November 2021

Staff presented a project update and timeline for the milestones above to the CWC at a regular meeting on August 18, 2021. The CWC will make a determination whether the project is feasible and eligible for the MCED at their December 15, 2021 meeting prior to the January 1, 2022 deadline.

Water Infrastructure Finance and Innovation Act (WIFIA)

The WIFIA loan program is a low-cost federal loan program that is subject to annual Congressional budget appropriations. Staff anticipates the WIFIA loan will save Valley Water \$1 million in debt service cost for every \$100 million in loan principal. Should Valley Water be successful in obtaining the full \$1.2 billion WIFIA loan for the PREP, the potential cost saving is approximately \$12 million per year, up to \$420 million in total debt service savings over a 35-year loan repayment period

In April 2021, the Environmental Protection Agency (EPA) accepted Valley Water's Letter of Interest (LOI) submitted in October 2020 for \$660 million for the PREP, which was approximately 49% of the then estimated project cost of \$1.3 billion based on the FY 2021 Capital Improvement Plan (CIP). The EPA provided guidance for Valley Water to submit a second LOI in 2021 to secure an additional \$575 million in WIFIA loan to ensure Valley Water will receive the full \$1.2B WIFIA loan to fund 49% of the current project cost. The 2021 LOI was submitted to the EPA in July 2021 and an announcement from the EPA on project selection is expected in October/November 2021. Staff anticipates the full loan application will be submitted by April 2022 with loan closing for the full \$1.2B loan amount by Dec 2022. Staff anticipates that the draft loan agreement will be presented for Board approval in the fall of 2022, prior to final loan closing.

Partnerships

Project partnership discussions have progressed with one interested agency which has initiated specific analysis of storage, transfer, and exchange scenarios. The team continues modeling of different operations to provide storage and exchange benefits to other potential partners. The PREP Team is engaging with consultants specializing in water marketing and economics to develop a scope of work for assistance with partnership opportunities, negotiations, and further analysis.

ATTACHMENTS:

File No.: 21-1000

Agenda Date: 10/4/2021
Item No.: 4.3.

None.

UNCLASSIFIED MANAGER:

Christopher Hakes, 408-630-3796



Santa Clara Valley Water District

File No.: 21-1001

Agenda Date: 10/4/2021

Item No.: 4.4.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

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

RECOMMENDATION:

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

SUMMARY:

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

BACKGROUND:

Governance Process Policy-8:

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

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

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

ATTACHMENTS:

Attachment 1: Agricultural Water Advisory Committee 2021 Work Plan

UNCLASSIFIED MANAGER:

File No.: 21-1001

Agenda Date: 10/4/2021
Item No.: 4.4.

Michele King, 408-630-2711

2021 Work Plan: Agricultural Water Advisory Committee

Update: September 2021

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

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

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

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2021 Work Plan: Agricultural Water Advisory Committee

Update: September 2021

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

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2021 Work Plan: Agricultural Water Advisory Committee

Update: September 2021

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

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2021 Work Plan: Agricultural Water Advisory Committee

Update: September 2021

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

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2021 Work Plan: Agricultural Water Advisory Committee

Update: September 2021

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
				<p>requests being: 1). Valley Water freeze ag groundwater rates for the next 15 years, and 2). Valley Water work affirmatively and actively with farmers going forward to increase the aquifer recharge done on farmlands over and above what farmlands have done routinely in years past.</p> <p>On May 11, 2021, the Board gave staff direction on the groundwater production charges.</p>
11	Stormwater Capture Report	April 5	<ul style="list-style-type: none"> Receive information on Stormwater capture requirements. (Information) 	<p>Accomplished April 5, 2021: The Committee received information on Stormwater capture requirements and took no action.</p>
12	Water Shortage Emergency Condition and Call for Conservation	July 12	<ul style="list-style-type: none"> Receive information on the Water Shortage Emergency Condition and Call for Conservation. (Information) 	<p>Accomplished July 12, 2021: The Committee received information on the Water Shortage Emergency Condition and Call for Conservation and took no action.</p>
13	Review FY2022 Board Work Plan	July 12	<ul style="list-style-type: none"> Review the FY2022 Board Work Plan. (Information) 	<p>Accomplished July 12, 2021: The Committee reviewed the FY2022 Board Work Plan and took no action.</p>

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2021 Work Plan: Agricultural Water Advisory Committee

Update: September 2021

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING DATE	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
14	Standing Items Report Fiscal Year 2022 Goals and Strategies:	July 12 October 4	<ul style="list-style-type: none"> Receive quarterly reports on standing items, FY22. (Information) 	Accomplished July 12, 2021: The Committee reviewed the quarterly reports and took no action.
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

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2021 Work Plan: Agricultural Water Advisory Committee

Update: September 2021

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 on governance. 	Recycled Water Committee (RWC)
	Strategy #4 Advance Anderson Dam Seismic Retrofit Project.	<ul style="list-style-type: none"> Continue construction on the Anderson Dam Tunnel Project (ADTP). Continue to work with appropriate regulatory agencies to advance the ADSRP. Release for review the Draft Environmental Report for the ADSRP. Continue to educate and engage the public, key stakeholders, decision makers, and elected officials of the project progress and construction timeline. Coordinate long term ADSRP operations with the Fisheries and Aquatic Habitat Collaborative Effort (FAHCE). 	Capital Improvement Program (CIP) Stream Planning and Operations Committee (SPOC)
	Strategy #5 Promote Making Water Conservation a California Way of Life in Santa Clara County.	<ul style="list-style-type: none"> Increase communication and education outreach to promote Valley Water's water conservation programs to customers. Increase collaboration with retailers to promote Valley Water's water conservation programs. Implement new water conservation programs and engagement strategies identified within the Water Conservation Strategic Plan. Engage and support private-sector stakeholders, local, state, and federal agencies that promote water conservation. 	Water Conservation and Demand Management Committee (WCaDMC)

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2021 Work Plan: Agricultural Water Advisory Committee

Update: September 2021

GOAL	STRATEGY	FY22 FOCUS AREAS	MONITORING COMMITTEE
NATURAL FLOOD PROTECTION	Strategy #1 Plan, design and maintain flood protection projects with multiple benefits, including protecting ecosystem functions and enhancing habitat.	<ul style="list-style-type: none"> • Continue to advance Shoreline EIA 11 levee construction. • <i>Finalize the One Water Coyote Creek Watershed plan and make significant progress on the Guadalupe and Pajaro watershed plans.</i> • 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"> • <i>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.</i> • 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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2021 Work Plan: Agricultural Water Advisory Committee

Update: September 2021

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 	D&I

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2021 Work Plan: Agricultural Water Advisory Committee

Update: September 2021

			staff from public health emergencies and environmental impacts.	
	Strategy #3 Provide affordable and cost- effective level of services.		<ul style="list-style-type: none"> Continue to establish benchmarking with other agencies, particularly water agencies, in order to understand areas for improvement. Research and identify best practices from other agencies around water affordability, particularly with disadvantaged communities. Establish Valley Water as a statewide leader in conversations around water affordability. 	Financial Sustainability Working Group (FSWG) Board Audit Committee (BAC)
GOAL	STRATEGY		FY22 FOCUS AREAS	MONITORING COMMITTEE
CLIMATE CHANGE	Strategy #1 Address future impacts of climate change to Valley Water's mission and operations.		Begin implementation of Climate Change Action Plan.	BPPC
15	Climate Change Action Plan	July 12	<ul style="list-style-type: none"> Received information on the Climate Change Action Plan. (Information). 	Accomplished July 12, 2021: The Committee reviewed information on the Climate Change Action Plan and took no action.
16	Drought Response Update	October 4	<ul style="list-style-type: none"> Receive an update on the Drought Response. (Information) 	
17	Mobile Agricultural Mobile Lab and Agricultural Water Use Baseline Study	October 4	<ul style="list-style-type: none"> Receive information on the Mobile Agricultural Mobile Lab and Agricultural Water Use Baseline Study. (Information) 	
18	Pacheco Reservoir Expansion Project Update	October 4	<ul style="list-style-type: none"> Receive update on the Pacheco Reservoir Expansion Project. (Information) 	
19	Working Group Report Update	October	<ul style="list-style-type: none"> Received update on the working group's research and solutions on water supply concerns. (Information) 	

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Santa Clara Valley Water District

File No.: 21-1002

Agenda Date: 10/4/2021
Item No.: 5.1.

COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:

Working Group Report Update.

RECOMMENDATION:

The Working Group will provide an update on the research and solutions on water supply concerns.

SUMMARY:

At the Agricultural Water Advisory Committee's July 12, 2021, meeting, the committee voted to approve forming a working group to research and find solutions on water supply concerns (cofferdams).

The Working Group volunteers are: Ms. Sheila Barry, Mr. Tim Chiala, Mr. Jan Garrod, Mr. Robert (Bob) Long and Mr. Peter Van Dyke.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

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