

March 21, 2018

**MEETING NOTICE & REQUEST FOR RSVP**

**TO: AGRICULTURAL WATER ADVISORY COMMITTEE**

**Jurisdiction**

District 1  
District 2  
District 3  
District 5  
District 6  
Santa Clara County Farm Bureau  
Private Well Owner (Non Retail)

**Representative**

Russ Bonino, Mitchell Mariani  
James Provenzano  
William Cilker, David Vanni  
Jan F. Garrod, Michael Miller  
Robert Long  
Sheryl O. Kennedy  
Dhruv Khanna

The regular meeting of the Agricultural Water Advisory Committee is scheduled to be held on **Monday, April 2, 2018, at 1:30 p.m.**, in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose, California. Refreshments will be served.

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.

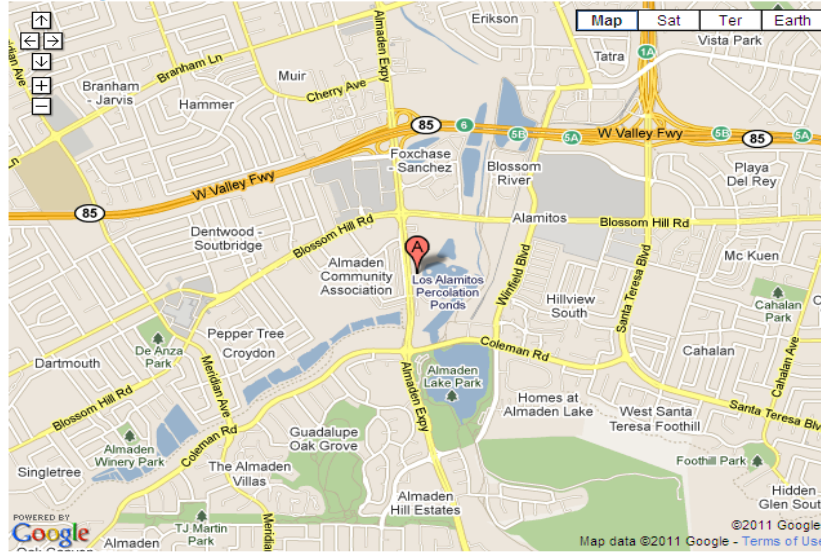
Members with two or more consecutive unexcused absences will be subject to rescinded membership.

Please confirm your attendance no later than **1:00 p.m., Thursday, March 29, 2018**, by contacting Ms. Glenna Brambill at 1-408-630-2408, or [gbrambill@valleywater.org](mailto:gbrambill@valleywater.org)

Enclosures



**Santa Clara Valley Water District - Headquarters Building,  
5700 Almaden Expressway, San Jose, CA 95118**



**From Oakland:**

- Take 880 South to 85 South
- Take 85 South to Almaden Expressway exit
- Turn left on Almaden Plaza Way
- Turn right (south) on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

**From Morgan Hill/Gilroy:**

- Take 101 North to 85 North
- Take 85 North to Almaden Expressway exit
- Turn left on Almaden Expressway
- Cross Blossom Hill Road
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

**From Sunnyvale:**

- Take Highway 87 South to 85 North
- Take Highway 85 North to Almaden Expressway exit
- Turn left on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

**From San Francisco:**

- Take 280 South to Highway 85 South
- Take Highway 85 South to Almaden Expressway exit
- Turn left on Almaden Plaza Way
- Turn right (south) on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

**From Downtown San Jose:**

- Take Highway 87 - Guadalupe Expressway South
- Exit on Santa Teresa Blvd.
- Turn right on Blossom Hill Road
- Turn left at Almaden Expressway
- At Via Monte (first traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

**From Walnut Creek, Concord and East Bay areas:**

- Take 680 South to 280 North
- Exit Highway 87-Guadalupe Expressway South
- Exit on Santa Teresa Blvd.
- Turn right on Blossom Hill Road
- Turn left at Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance



**Committee Officers**

Mitchell Mariani, Committee Chair  
David Vanni, Committee Vice Chair

**Board Representative**

Nai Hsueh, Alternate  
Richard P. Santos, Board Representative  
John L. Varela, Board Representative

**AGENDA**

**AGRICULTURAL WATER ADVISORY COMMITTEE**

**MONDAY, APRIL 2, 2018**

**1:30 p.m. – 3:30 p.m.**

**Santa Clara Valley Water District  
Headquarters Building Boardroom  
5700 Almaden Expressway  
San Jose, CA 95118**

**Time Certain:**

**1:30 p.m. 1.**

**Call to Order/Roll Call**

**2.**

**Time Open for Public Comment on Any Item Not on Agenda**

*Comments should be limited to two minutes. If the Committee wishes to discuss a subject raised by the speaker, it can request placement on a future agenda.*

**3.**

**Approval of Minutes**

3.1 Approval of Minutes – February 26, 2018, special meeting

**4.**

**Action Items**

4.1 Review and Comment to the Board on the Fiscal Year 2018 - 2019 Proposed Groundwater Production Charges (Darin Taylor)

**Recommendation: Provide comment to the Board in the implementation of the District's mission as it applies to staff's groundwater production charge recommendation for FY 2018–19.**

4.2 Civic Engagement (Rick Callender)

**Recommendation: This is a discussion item and the Committee may provide comments if applicable, however no action is required.**

4.3 Zone of Benefit Study (Garth Hall)

**Recommendation: This is a discussion item and the Committee may provide comments if applicable, however no action is required.**

4.4 Review Agricultural Water Advisory Committee Work Plan, the Outcomes of Board Action of Committee Requests and the Committee's Next Meeting Agenda (Committee Chair)

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

5. **Clerk Review and Clarification of Committee Requests to the Board**

*This is a review of the Committee's Requests, to the Board (from Item 4). The Committee may also request that the Board approve future agenda items for Committee discussion.*

6. **Reports**

*Directors, Managers, and Committee members may make brief reports and/or announcements on their activities. Unless a subject is specifically listed on the agenda, the Report is for information only and not discussion or decision. Questions for clarification are permitted.*

6.1 Director's Report

6.2 Manager's Report

6.3 Committee Member Reports

7. **Adjourn:** Adjourn to next regularly scheduled meeting at 1:30 p.m., **July 2, 2018**, in the Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, CA 95118

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 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.

The Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend committee meetings. Please advise the Clerk of the Board office of any special needs by calling 1-408-630-2277.

**Agricultural Water Advisory Committee Purpose and Duties**

The Agricultural Water Advisory Committee of the Santa Clara Valley Water District (District) is established per the District Act to assist the District Board of Directors (Board) with policies pertaining to agricultural water supply and use.

The specific duties are:

- Providing input on policy alternatives for Board deliberation, when requested by the Board.
- Providing comment on activities in the implementation of the District's mission that the Board will consider or refer to staff.
- Producing and presenting to the Board an Annual Accomplishments Report that provides a synopsis of the Committee's discussions regarding specific topics and subsequent policy recommendations, comments, and requests that resulted from those discussions.

In carrying out these duties, the Board's Committees bring to the District their respective expertise and the interests of the communities they represent. In addition, Board Committee members may bring information regarding District activities to the communities they represent.



SPECIAL AGRICULTURAL WATER ADVISORY COMMITTEE MEETING

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# DRAFT MINUTES

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**SPECIAL MEETING  
MONDAY, FEBRUARY 26, 2018  
1:30 PM**

(Paragraph numbers coincide with agenda item numbers)

A special scheduled meeting of the Agricultural Water Advisory Committee was held on February 26, 2018, in the Headquarters Boardroom at the Santa Clara Valley Water District Administration Building, 5750 Almaden Expressway, San Jose, California.

**1. CALL TO ORDER/ROLL CALL**

Chair Mitchell Mariani called the meeting to order at 1:37 p.m.

**Members in attendance were:**

Jurisdiction

District 1  
District 2  
District 3  
District 5  
District 6  
Santa Clara County Farm Bureau  
Private Well Owner (Non Retail)

Representative

Mitchell Mariani  
James Provenzano  
David Vanni  
Michael Miller  
Robert Long  
Sheryl O. Kennedy  
Dhruv Khanna

**Members not in attendance were:**

Jurisdiction

District 1  
District 5

Representative

Russ Bonino  
Jan Garrod

Board members in attendance were: Director Nai Hsueh, Board Alternate, Director Richard P. Santos, and Director John L. Varela, Board Representatives.

Staff members in attendance were: Jennifer Abadilla, Glenna Brambill, Jerry De La Piedra, Garth Hall, Nina Hawk, Anthony Mendiola, and Darin Taylor.

**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. David Vanni, seconded by Mr. Michael Miller and unanimously carried to approve the minutes of the January 8, 2018, Agricultural Advisory Committee meeting, as presented.

**4. ACTION ITEMS**

**4.1 REVIEW AND COMMENT TO THE BOARD ON THE OPEN SPACE CREDIT POLICY**

Mr. Darin Taylor and Mr. Jerry De La Piedra reviewed the materials as outlined in the agenda item.

Mr. Dhruv Khanna, Director Richard P. Santos, Ms. Sherrie Kennedy, Director John L. Varela, Mr. Mitchell Mariani, Mr. Michael Miller and Ms. Nina Hawk spoke about their concerns and suggestion about the open space credit policy.

Ms. Glenna Brambill mentioned for the record that there were two handouts from Open Space Authority and Mr. Dhruv Khanna.

The Agricultural Water Advisory Committee (Committee) took the following action: It was moved by Mr. Dhruv Khanna, seconded by Mr. Michael Miller and unanimously carried to approve that the Committee recommends strongly that the Open Space Credit Policy be maintained as is.

It was moved by Mr. Dhruv Khanna, seconded by Mr. David Vanni and unanimously carried to approve that the Committee request that the Board direct staff to provide an in-depth analysis and response on the Open Space Authority letter and Mr. Dhruv Khanna's memo and report back to the Committee for their response and action.

It was moved by Mr. Dhruv Khanna, seconded by Mr. Michael Miller and unanimously carried to approve that the Committee request that the Board direct staff to provide a more equitable analysis of the impacts of development throughout the county consisting of the ecosystem's benefit of agriculture

It was moved by Mr. Dhruv Khanna, seconded by Mr. David Vanni and unanimously carried to approve that the Committee request that the Board direct staff to review the audio of today's meeting and capture those key comments that were discussed and have a response and report back to the Committee.

**4.2 REVIEW AND COMMENT TO THE BOARD ON THE GROUNDWATER PRODUCTION CHARGE SETTING PROCESS**

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

The PAWS Report was made available to the Committee Members.

Director Richard P. Santos encouraged everyone to attend the public hearing set for April.

Mr. John Delgado, member of the public from South County spoke on this agenda item.

No action was taken.

**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 item.

The Committee took no action.

**5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS TO THE BOARD**

Ms. Glenna Brambill reported there were four action items for Board consideration.

The Committee approved the following items under Agenda Item 4.1:

That the Committee recommends strongly that the Open Space Credit Policy be maintained as is.

That the Committee requests that the Board direct staff to provide an in-depth analysis and response on the Open Space Authority letter and Mr. Dhruv Khanna's memo and report back to the Committee for their response and action.

That the Committee requests that the Board direct staff to provide a more equitable analysis of the impacts of development throughout the county consisting of the ecosystem's benefit of agriculture

That the Committee requests that the Board direct staff to review the audio of today's meeting and capture those key comments that were discussed and have a response and report back to the Committee.

**6. REPORTS**

**6.1 Director's Report**

Director John L. Varela reported on the following:

- Board Action
- Water Supply
- Flood Protection
- Community Outreach

Director Nai Hsueh reported on the following:

- Open Space Credit Policy background

**6.2 Manager's Report**

Mr. Garth Hall reported on the following:

- Sustainable Groundwater Management Authority (SGMA) Update
- Water Supply present conditions

### **6.3 Committee Member Reports**

Mr. Robert Long reported on the following:

- Works with the homeless veterans, if anyone knows of any open employment opportunities, contact him.

Mr. Dhruv Khanna reported on the following:

- Palo Alto sports field changed from grass to artificial turf
- Traffic and litter-caused by economic boom—no litter tax

Mr. Mitch Mariani reported on the following:

- Farm Bureau is having the President's Dinner at the Milias Restaurant on Wednesday, 2/28/18, at 6:00 p.m. Mr. Sean Crook is the guest speaker

### **7. ADJOURNMENT**

Chair Mariani adjourned at 3:05 p.m. to the next regular meeting on Monday, April 2, 2018, at 1:30 p.m., in the Santa Clara Valley Water District Headquarters Building Boardroom.

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

Approved:





Committee: Agricultural Water  
Meeting Date: 04/02/18  
Agenda Item No.: 4.1  
Unclassified Manager: Darin Taylor  
Email: [dtaylor@valleywater.org](mailto:dtaylor@valleywater.org)  
Est. Staff Time: 10 minutes

## COMMITTEE AGENDA MEMO

**SUBJECT:** Review and Comment to the Board on the Fiscal Year 2018-19 Proposed Groundwater Production Charges

### RECOMMENDED ACTION:

Provide comment to the Board in the implementation of the District's mission as it applies to staff's groundwater production charge recommendation for FY 2018–19.

### SUMMARY:

Staff recommends up to a 22.0% increase in the Agricultural groundwater production charge for FY 2018–19, which would translate to an increase of \$0.92 per month per acre assuming 2 acre-feet of water usage per acre per year. The proposed maximum groundwater production charge increase for FY 2018-19 will help drive progress on the Anderson Dam Seismic Retrofit project, which will help ensure public safety and bolster future water supply reliability. The cost projection for the Anderson Dam Seismic Retrofit project has increased since last year due to the discovery of additional vulnerabilities, which will require a near complete removal of the existing dam, and the determination that the dam's spillway needs to be fully replaced as it has some of the same weaknesses that Oroville Dam's spillway had. The proposed maximum increase would cause the Agricultural groundwater charge to increase as a percentage of the Municipal and Industrial (M&I) charge from 6% to 6.8%, which would decrease the open space credit by \$99,000. The Board is seeking input with regard to staff's groundwater production charge recommendation for FY 2018–19.

### BACKGROUND:

Executive Limitation 7.4: A BAO shall “marshal for the Board as many staff and external points of view, issues and options as needed for fully informed Board choices.”

### ATTACHMENT(S):

Attachment 1: PowerPoint Presentation

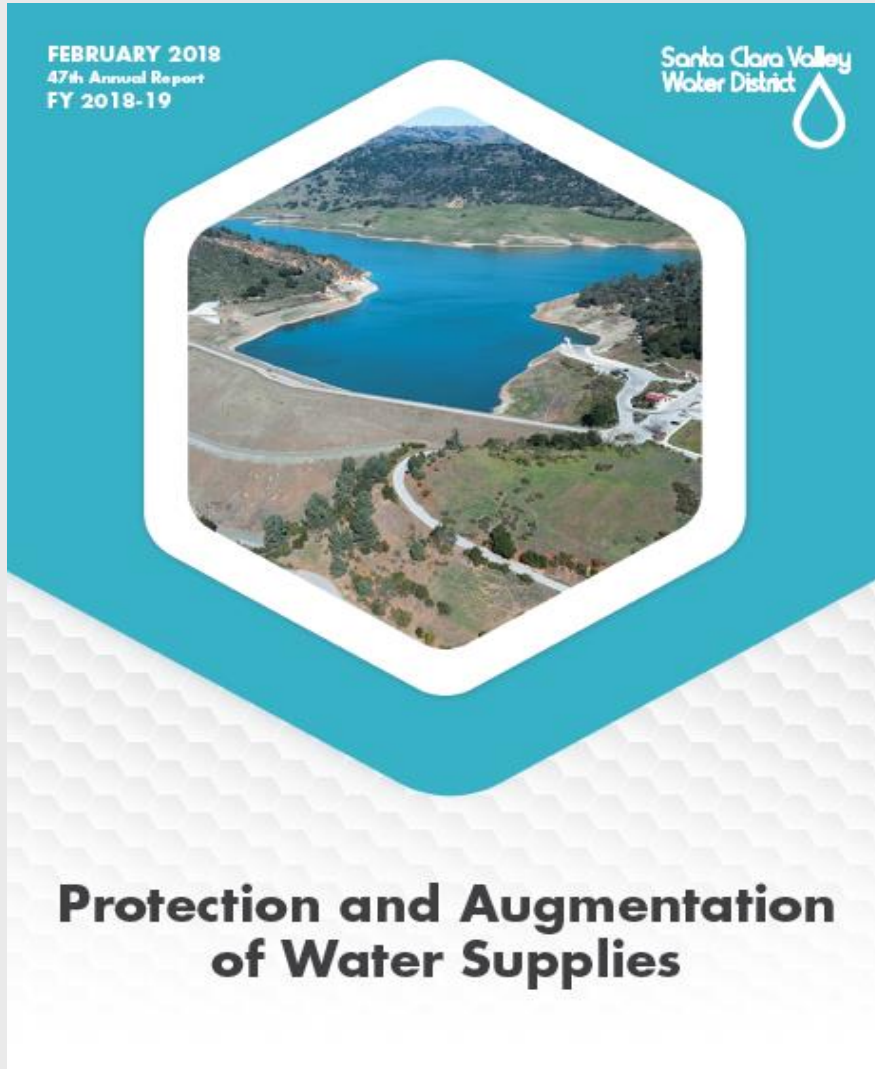


# Groundwater Production Charge Recommendation for FY 19

April 2, 2018



# 47<sup>th</sup> Annual Report Provides Information, Accountability



## 2018 Protection and Augmentation of Water Supplies Report

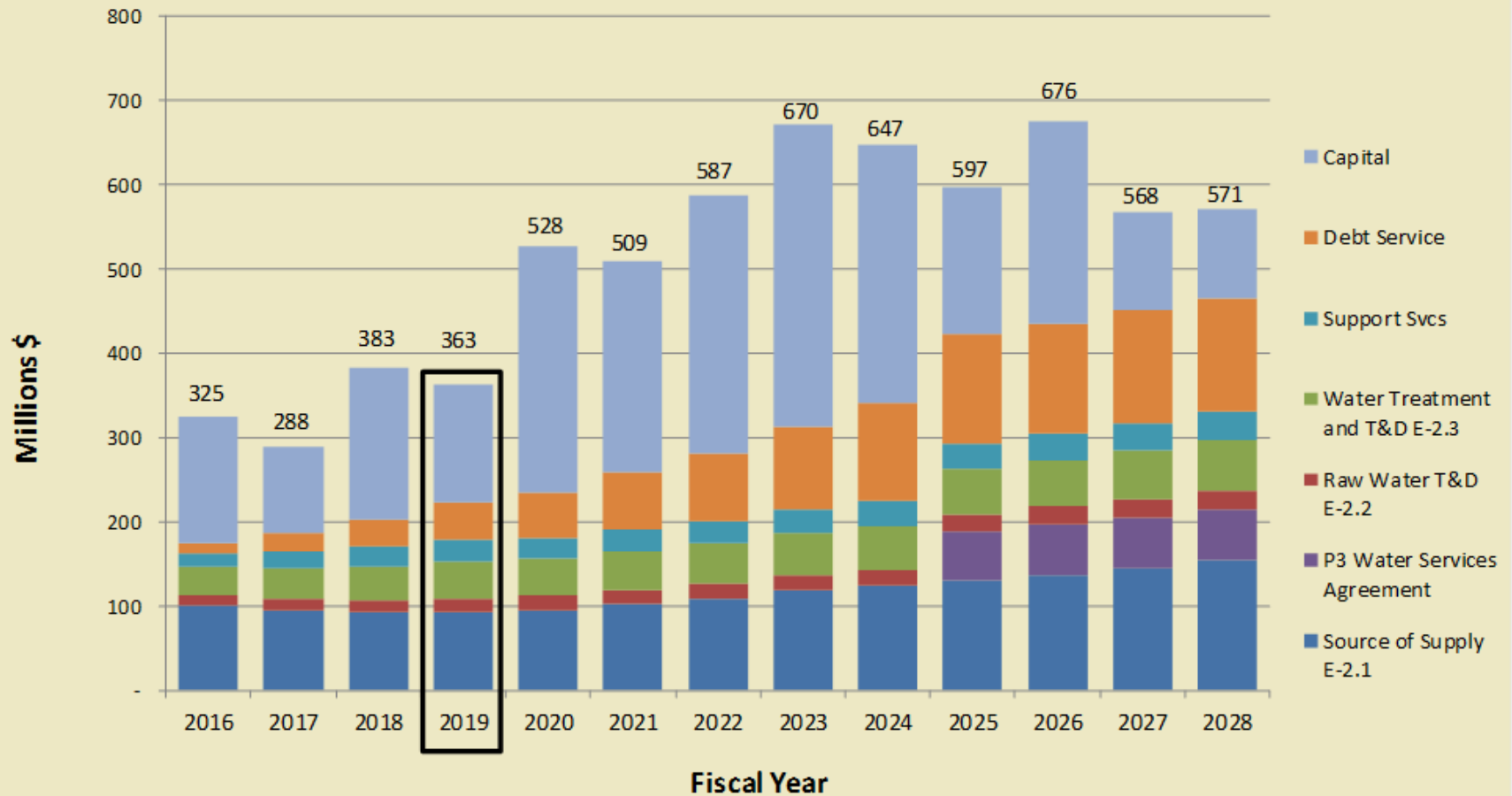
[www.valleywater.org](http://www.valleywater.org)

# Many activities ensure safe, reliable groundwater supplies

- ▶ Plan & construct improvements to infrastructure
- ▶ Purchase imported water
- ▶ Operate & maintain raw & recycled water pipelines
- ▶ Operate & maintain local reservoirs
- ▶ Monitor & protect groundwater from pollutants



# Water Utility Cost Projection



# Key South County Capital project funding FY 19 thru FY 28

- Anderson Dam Seismic Retrofit (\$510M)
  - \$66M (12% of total \$550M project) to be reimbursed by Safe Clean Water Measure
- Recycled Water Pipeline Expansion (\$19.5M)

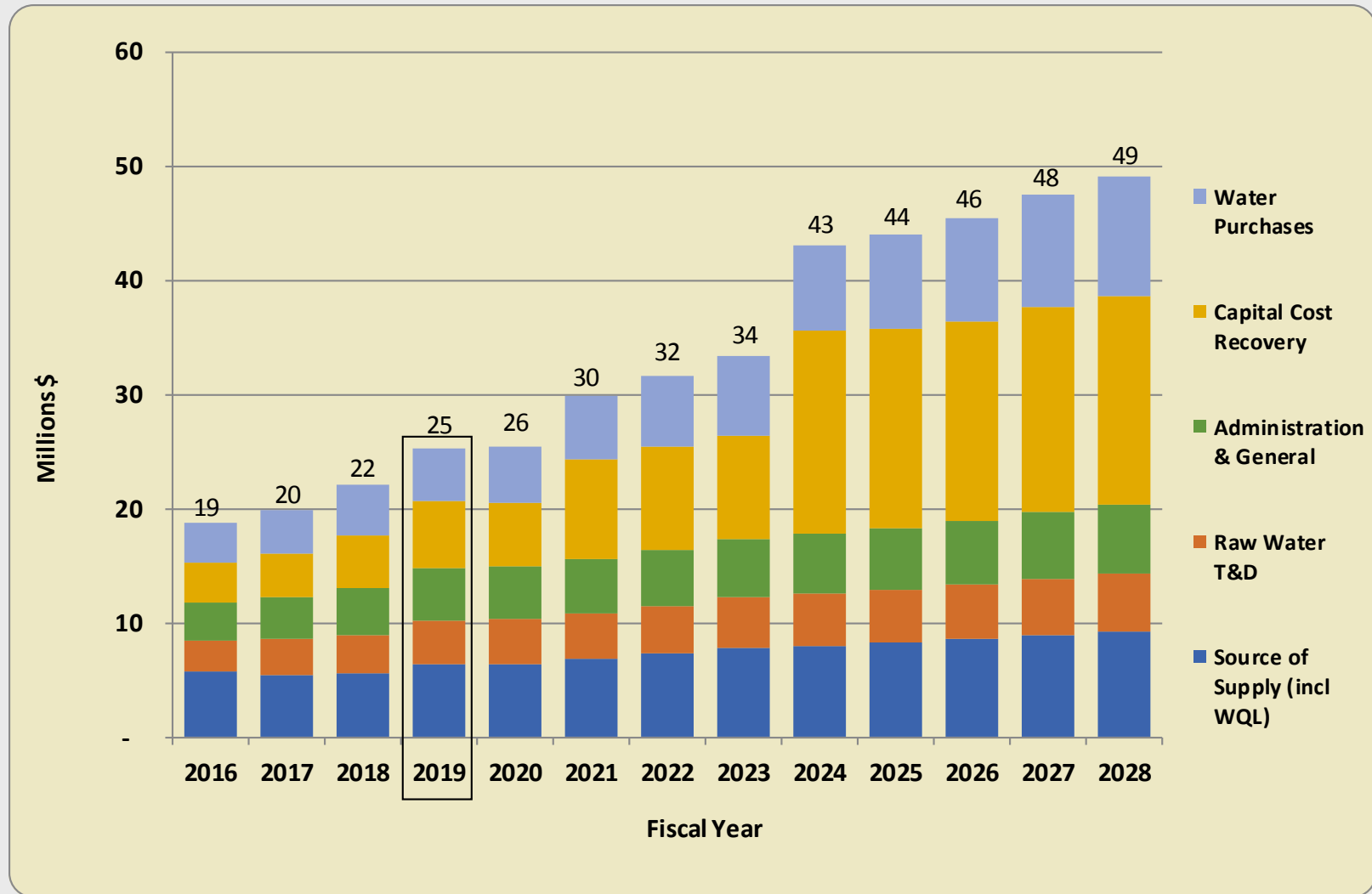


# Financial Analysis: Unfunded WUE Capital

Project Name	Estimated Total Cost (\$M)
Pacheco Reservoir Expansion Project	1,179
Dam Seismic Retrofit at Chesbro and Uvas	90
SCADA Small Capital Improvements	20
So. County Recycled Water Reservoir Expansion	7
Land Rights - South County Recycled Water PL	6
Alamitos Diversion Dam Improvements	3
Coyote Diversion Dam Improvements	2
<b>Total</b>	<b>1,307</b>

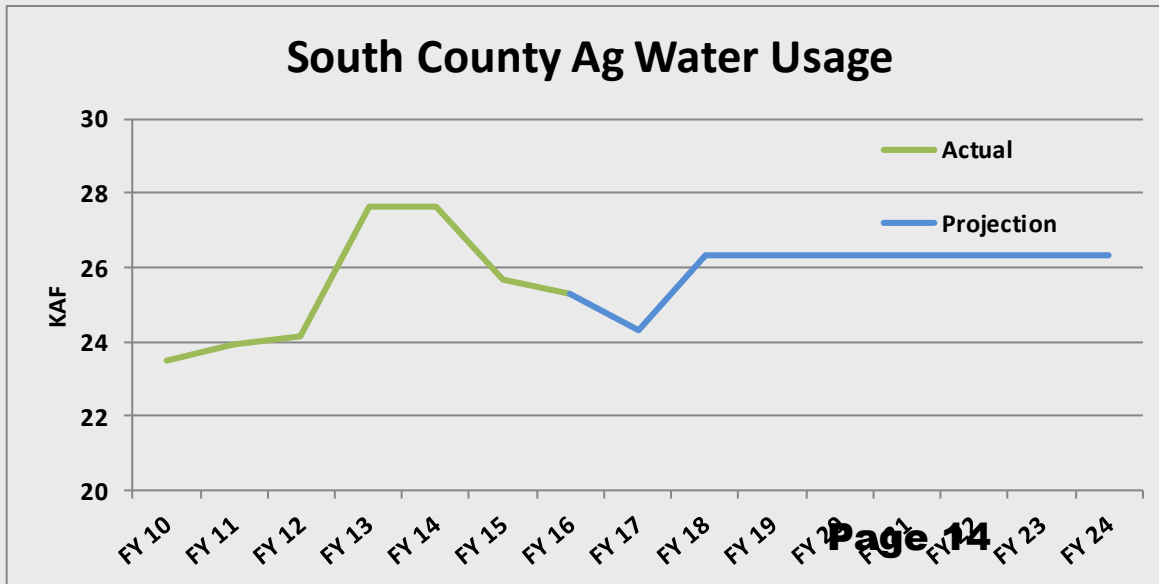
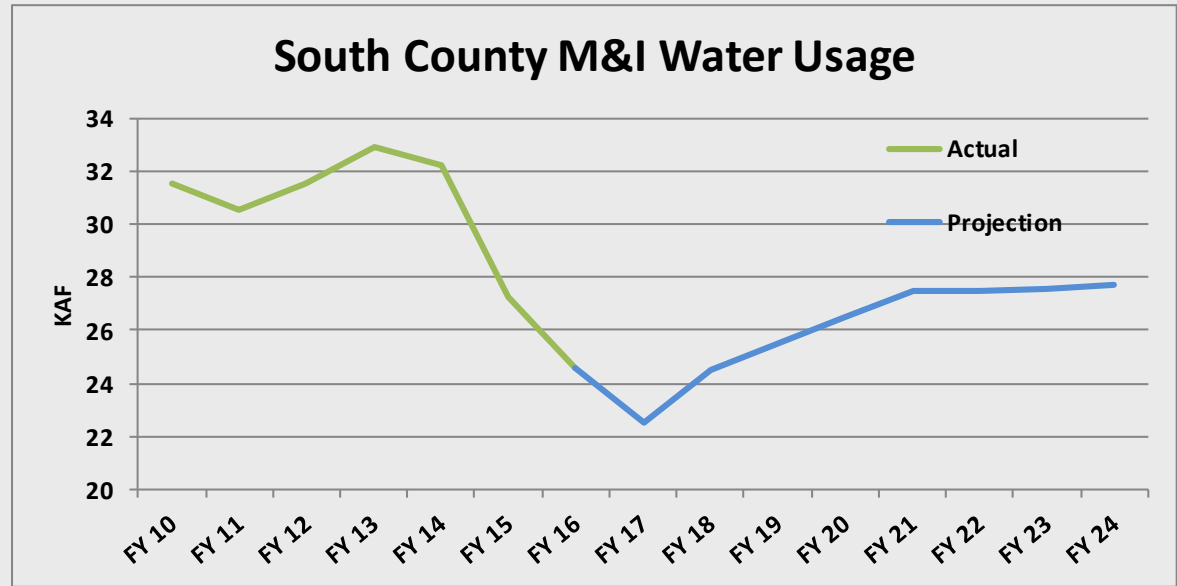


# South County Cost Projection



# Water Usage Trend South County

Water Usage  
(Groundwater & Surface Water)



# FY 2019: South County Proposed Maximum Charges

~~7.7%~~ ~~7.9%~~ increase for M&I & ~~22.3%~~ for Ag groundwater production ~~22.0%~~  
~~7.7%~~ ~~7.9%~~ increase for M&I surface water & ~~14.1%~~ for Ag surface water ~~14.0%~~  
~~8.0%~~ ~~8.3%~~ increase for M&I recycled water & ~~22.2%~~ for Ag recycled water ~~22.0%~~

Staff proposed adjustments as of 3/14/18

	Dollars Per Acre Foot			
	FY 2016-17	FY 2017-18	Proposed Maximum FY 2018-19	
<b>Zone W-5 (South County)</b>				
<b>Basic User/Groundwater Production Charge</b>				
Municipal & Industrial	393.00	418.00	<del>451.00</del>	<b>450.00</b>
Agricultural	23.59	25.09	<del>30.67</del>	<b>30.61</b>
<b>Surface Water Charge</b>				
Surface Water Master Charge	27.46	33.36	36.00	
Total Surface Water, Municipal & Industrial*	420.46	451.36	<del>487.00</del>	<b>486.00</b>
Total Surface Water, Agricultural*	51.04	58.45	<del>66.67</del>	<b>66.61</b>
<b>Recycled Water Charges</b>				
Municipal & Industrial	373.00	398.00	<del>431.00</del>	<b>430.00</b>
Agricultural	47.38	48.88	<del>54.46</del>	<b>54.41</b>

\*Note: The total surface water charge is the sum of the basic user charge (which equals the groundwater production charge) plus the water master charge

\*\*Note: The total treated water contract charge is the sum of the basic user charge (which equals the groundwater production charge) plus the contract surcharge

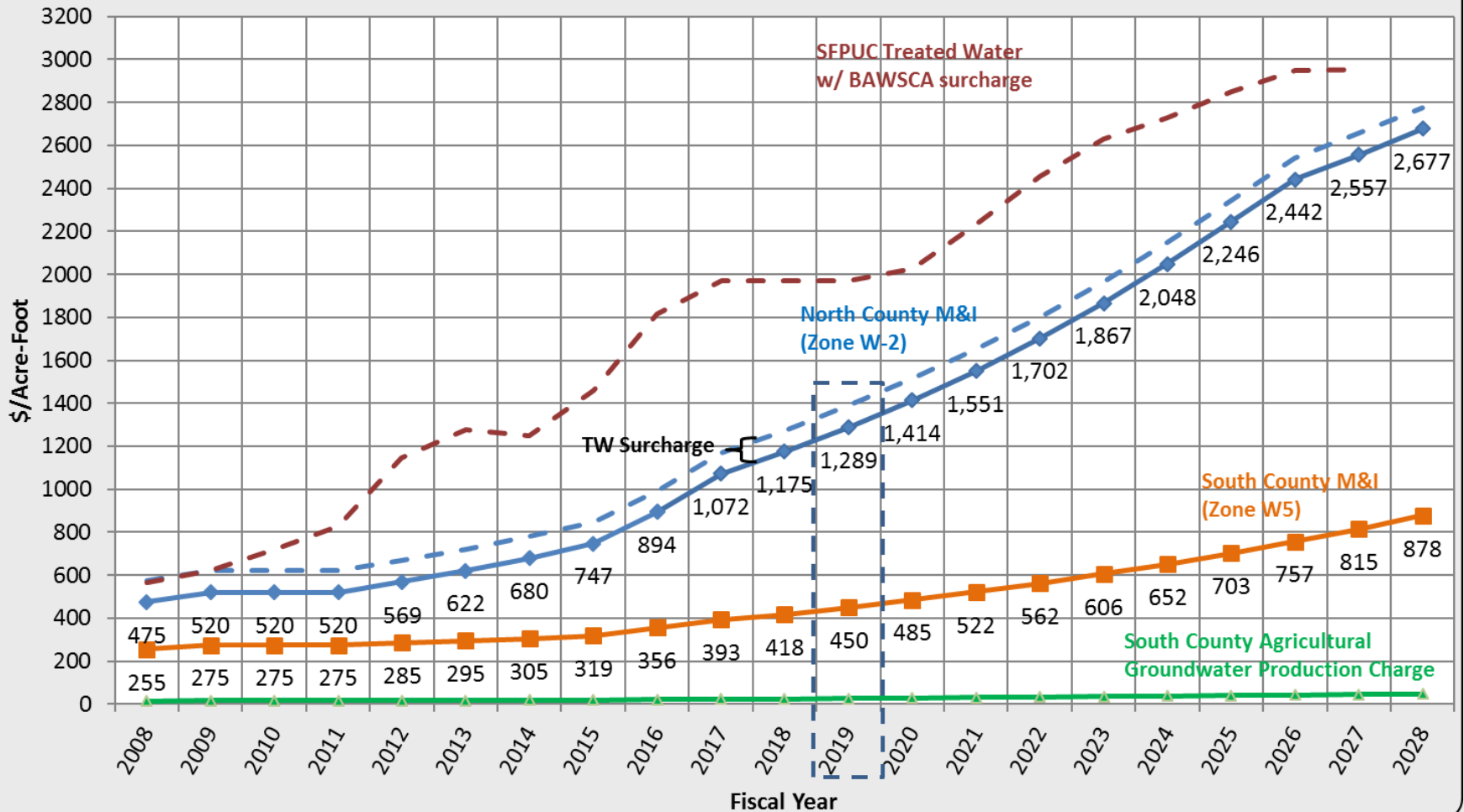
\*\*\*Note: The total treated water non-contract charge is the sum of the basic user charge (which equals the groundwater production charge) plus the non-contract surcharge

**\$1.10**

~~\$1.14~~ per month average household increase

# Groundwater Production Charges

Groundwater Production Charges



# Agricultural Benchmarks

Agency (As of March 2017)	Ag \$/AF	Non-Ag \$/AF	Ag as % of Non-AG
San Benito Groundwater (Quality issues)	\$6.45	\$24.25	27%
Modesto ID Untreated SW (\$2/AF for first 2 AF)	\$2.00 to \$40.00	N/A	
<b>SCVWD South Groundwater</b>	<b>\$25.09</b>	<b>\$418.00</b>	<b>6%</b>
Merced ID Untreated SW	\$40.00	N/A	
<b>SCVWD South Untreated SW</b>	<b>\$58.45</b>	<b>\$451.36</b>	<b>13%</b>
Merced ID Groundwater	\$100.00	N/A	
Lost Hills Untreated SW	\$139.40 to \$218.55	N/A	
Zone 7 Untreated SW	\$113.00	N/A	
Westlands WD Pressurized	\$211.05	\$845.16	25%
San Benito Pressurized	\$349.90	\$440.90	79%

# Background on Recent OSC Policy Discussions

- 2013**
  - ▶ Staff completes extensive OSC policy review and stakeholder engagement process
    - ▶ Board maintains OSC policy as is
    - ▶ South County Ag charge maintained at 6% of M&I
  
- 2014 - 2016**
  - ▶ Board confirms direction to maintain OSC policy as is
  
- 2017**
  - ▶ Presidents Day Flood occurs, CIP Committee requests staff to explore OSC reductions to free up funding for flood protection projects
  
- Feb 2018**
  - ▶ Special Ag Advisory Committee meeting convened to discuss OSC Policy

# Updated: Alternatives to minimize Open Space Credit

1. M&I users pay for open space credit – Not feasible now, but could be in future depending on outcome of City of San Buenaventura v. United Water Conservation District **(Update: still not feasible based on 12/4 Supreme Court decision)**
2. Increase agricultural charge to 10% of M&I over 10-year time frame
  - \$5.5M savings by FY 30 (\$3.9M to flood protection)
  - Ag GW charge in FY 30 would be \$79.10/AF vs \$47.50/AF
3. Increase agricultural charge to 10% of M&I over 5-year time frame
  - \$7.1M savings by FY 30 (\$5.0M to flood protection)
  - Ag GW charge in FY 30 would be \$79.10/AF vs \$47.50/AF
4. Increase agricultural charge to 25% of M&I over 10-year timeframe
  - \$26.2M savings by FY 30 (\$18.4M to flood protection)
  - Ag GW charge in FY 30 would be \$197.80/AF vs \$47.50/AF
5. **Increase agricultural charge to 25% of M&I and implement grant or discount program**
  - **Work in Process, Savings TBD**

# Program Options Discussed

1. Discount to growers that demonstrate improved efficiency
2. Discount for fallowing land during a shortage
3. Incentives for installing efficient irrigation equipment





# Special Ag Committee Actions

## 4 Motions passed

1. Recommend maintaining Open Space Credit Policy as is

Staff response: Duly noted

2. Recommend Board direct staff to analyze and respond to letter from Open Space Authority and memo from Mr. Khanna

Staff response: Staff can prepare a response to the letter and memo

# Special Ag Committee Actions

## 4 Motions passed continued...

3. **Recommend Board direct staff to provide “more equitable” analysis of impacts of development as it relates to ecosystem benefits of agriculture**

**Staff response: This would require engaging consultants. The 2013 ERA Economics study has already answered the key question, which is how would increasing the Ag charge impact the permanent fallowing of agricultural lands**

4. **Recommend Board direct staff to review audio of Special Ag meeting and respond to comments made**

**Staff response: staff can prepare a response**

# FY 2018-2019 Schedule

- ✓ Jan 9 Board Meeting: Preliminary Groundwater Charge Analysis
- ✓ Jan 17 Water Retailers Meeting: Preliminary Groundwater Charge Analysis
- ✓ Jan 24 Water Commission Meeting: Prelim Groundwater Charge Analysis
  
- ✓ Feb 13 Board Meeting: Review draft CIP & Budget development update
- ✓ Feb 23 Mail notice of public hearing and file PAWS report
- ✓ Feb 26 Special Agricultural Advisory Committee Meeting
  
- ✓ Mar 21 Water Retailers Meeting: FY 19 Groundwater Charge Recommendation
- ✓ Mar 27 Board Meeting: Budget development update
  
- Apr 2 Ag Water Advisory Committee
- Apr 3 Landscape Committee Meeting
- Apr 10 Open Public Hearing
- Apr 11 Water Commission Meeting
- Apr 12 Continue Public Hearing in South County
- Apr 24 Conclude Public Hearing
- Apr 25-27 Board Meeting: Budget work study session
  
- May 8 Adopt budget & groundwater production and other water charges

# Summary and Next Steps

## Summary

- ▶ FY 19 increase driven by critical investments in the water supply infrastructure, and investments in future supplies

## Next Steps

- ▶ Public Hearing at District Headquarters on April 10
- ▶ Continue Hearing to April 12 in Gilroy
- ▶ Continue Hearing to April 24 at District Headquarters
- ▶ Board adoption of FY 19 water charges on May 8



Committee: Agricultural Water  
Meeting Date: 04/02/18  
Agenda Item No.: 4.2  
Unclassified Manager: Rick Callender  
Email: [rcallender@valleywater.org](mailto:rcallender@valleywater.org)  
Est. Staff Time: 15 minutes

## COMMITTEE AGENDA MEMO

**SUBJECT:** Civic Engagement

### RECOMMENDED ACTION:

This is a discussion item and the Commission may provide comments if applicable, however, no action is required.

### SUMMARY:

This is an update to the committee regarding the programs and projects in the Office of Civic Engagement

### BACKGROUND:

The Office of Civic Engagement (OCE) was officially formalized on August 28, 2017. The purpose of the new unit is to advance and build positive and proactive relationships with the community through engagement, education, and partnerships. The programs and projects in the unit are designed to provide the community with access to resources and opportunities that will help build understanding, trust, and support for the District's goals and mission.

The OCE is organized into two (2) program areas:

#### **Community Benefits Program**

1. Safe, Clean Water Grants & Partnerships Program
2. Creek Stewardship
3. Public Arts & Signage

#### **Water Education & Volunteer Program**

1. District Volunteer Project
2. Water Education Outreach
3. Recycled Water Outreach

#### **Water Education & Volunteer Program**

The Office of Civic Engagement is in the process of expanding the Water Education and Volunteer Program in a way that will help further the District's goals in water education and diversity engagement. Currently, the Program includes the following project areas: Recycled Water Outreach, Water Education Outreach, and a new District Volunteer pilot project.

**A. District Volunteer Project.** The goal of this new project is to develop an integrated and robust volunteer experience that engages a diverse group of volunteers to expand opportunities beyond just creek cleanups to other functions and areas within the District that could benefit from volunteer support. The first two project areas that will be expanded by volunteer support include the Water Education and Recycled Water Outreach projects to add bilingual teachers and tour docents to not only support those projects areas with trained volunteer resources, but to also further the OCE Unit's goal of diversity engagement. Having bilingual volunteers will allow the District to engage diverse communities that might not be accomplished otherwise.

Staff is currently working on developing a project plan to launch a new District Volunteer project in early 2018. Staff is gathering information from similar volunteer programs throughout the County to better understand structure, training programs, HR compliance and regulatory issues, background clearance and projected costs among other items, to build out our own program.

The volunteer project will include the following components and elements that are still under development for an early spring 2018 launch:

- a. Volunteer Staff Advisory Group - Form staff advisory group of influential volunteer leaders to help build and recruit other interested volunteers and provide input on volunteer opportunities.
- b. Bilingual Volunteers - Recruit and train a cadre of 5 -10 bilingual volunteers initially to serve as either education teacher aids, and/or tour docents for facility tours at the Silicon Valley Advanced Water Purification Center and/or other facilities, open house events, or special projects.
- c. Adopt-A-Creek Volunteers - Continue to grow and expand Adopt-a-Creek volunteers for creek cleanups and other potential volunteer opportunities.
- d. Ambassador program - Develop District ambassadors in which volunteers get specific training on local water issues and messaging. Ambassadors will then and serve as neighborhood leads in distributing messages when needed.

**B. Water Education Outreach Project Area.** The goal of the Water Education Outreach project area is to provide educational programming and outreach to students and youth about important water issues but also District projects and initiatives, as well as to showcase the type of careers possible with the District. Project staff have been busy presenting at libraries and in classrooms, leading field trips at the District's five outdoor classrooms and fielding many other requests for educational programming.

Silicon Valley Boys and Girls Clubs - Staff visited all the first and second graders at the local clubs over the Spring and repeated the visits again over the Summer to the third and fourth graders. Staff presented activities focused on watersheds, water pollution, the water cycle, and salmon survival.

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students annually; by the end of December, staff expects to have reached close to 6,000 students through our lessons and outreach.

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## Community Benefits Program

The development of the Community Benefits Program demonstrates the District's commitment to providing opportunities that will make positive and sustainable social impacts in the communities that we serve. The programs and projects under Community Benefits Program will provide access to resources, engage, and collaborate with community members through grants and partnerships, creek stewardship volunteerism, and public arts projects.

**A. Safe Clean Water Grants & Partnerships.** Reorganizing the Safe, Clean Water Grants & Partnerships Program (SCW Grants Program) under the Office of External Affairs allows the District to increase our engagement with the community as well as broaden the reach and impact of our grant and partnership dollars. With the SCW Grants Program closely connected to the other units under External Affairs, staff is able to coordinate broader outreach efforts with Communications and Government Relations and stay closely connected with the needs and concerns of the community through Community Engagement and the Education programs.

Below is the current status for each SCW priority:

SCW Program Priority	# Funded Projects	Total Funding Awarded	FY2018 Status
A2 - Hydration Stations	50	\$250,000	5 additional schools to fund
B3 - Pollution Prevention	12	\$1.8 M	Funding released Nov 1; due Jan 12, 2018
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D3 - Trails & Open Space	3	\$570,000	Funding released Aug 4 - Oct 27; funding decisions Mar 2018
D3 - Restoration	22	\$4 M	Anticipated release Jan 2018
D3 - Mini-grants	0	\$ 0	Funding released Jul 31; apps accepted ongoing until all funding is awarded

Moving forward, staff will prioritize three areas for the SCW Grants Program: *Engagement, Outreach, and Efficiency*. Staff intends to get more engaged with grantees and their projects by conducting more site visits, providing timely technical assistance, and staying engaged with project status. Grantees' projects are intended to be an extension of the District's positive impacts to the community, therefore, establishing strong relationships with grantees allows staff to not only stay connected but also have a stronger presence as the project moves along to completion. Staff is also committed to expanding our outreach efforts. In order for projects to be more diverse and have a broader community impact, the outreach efforts to ensure a more diverse pool of applicants is critical. For FY2018's grant cycle, Staff has conducted outreach in communities that have not submitted project proposals in the past and hopes to build more relationships in the community to encourage more active participation in our grants & partnerships program. Staff is also seeking to utilize partnership funding to expand the District's impact in underserved communities.

For the grant cycles in FY2018, the District piloted an online grants application system to streamline the application process. All applications were submitted online and are also currently being reviewed and evaluated through the online system. Staff is seeking to expand the grants system to also include the management of the grant-funded projects once awarded. Grantees will be able to submit invoices, project status reports, and other supporting documents all through the online system with built in forms and templates to make the process easier and more efficient for the grantees and staff. Staff is working with Procurement to solicit bids for a vendor that will be able to implement the expansive grants management system to provide greater efficiency for the program. Staff anticipates implementing the full grants management system in FY2019.



**B. Creek Stewardship.** The District continues to receive active and increasing participation from the community for our various cleanup efforts. Through all our cleanup projects, volunteers contribute thousands of in-kind service hours and remove hundreds of thousands of pounds of trash throughout Santa Clara County (County). There are currently 139 Adopt-A-Creek (AAC) partners that actively coordinate bi-annual cleanups at their adopted sites. The District also coordinates the One-Day Use Permits project and have already provided 36 one-day permits this calendar year for cleanups. Additionally, the District continues to host annually the National River Cleanup Day (NRCD) and Coastal Cleanup Day (CCD). This year, 1,251 volunteers for NRCD cleaned 48 sites (65 miles of creek) and collected 36,494lbs of trash. For CCD, 1,892 volunteers cleaned 50 sites (68 miles) and picked up 50,838lbs of trash. On September 30<sup>th</sup>, the District worked with the Board to host the Coyote Creek Cleanup, where 136 volunteers gathered at two sites and collected a total of 5.25 tons of trash.

<b>Creek Stewardship Cleanup Efforts Achievements 2017 (to date)</b> <i>National River Cleanup Day (May) Coastal Cleanup Day (Sept) Coyote Creek Cleanup (Sept)</i>	
# of Volunteers	3,279
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# lbs of trash removed	101,092
Total of Hours In-Kind Value	\$367,248

Staff is working to continually improve how we coordinate our cleanup efforts, collect data, and support the volunteerism for the projects. For the AAC project, staff is developing an interactive GIS map that will allow the public to locate all the creeks on District property. The map would identify adoptable creek sections as well as the ones that are currently adopted. The map would allow the public to submit the adoption form directly online to streamline the process and allow for residents to research areas of interest and easily register as AAC partners. Staff established an online reporting form to capture the number of volunteers, pounds of trash collected, miles of creek cleaned, and pictures of the trash that was collected via Access Valley Water. This will allow the District to start collecting more data for AAC and the One-Day Use Permit projects.

**C. Public Arts & Signage.** Staff is in the process of developing the Public Arts & Signage program that will utilize art to convey messages about water conservation, environmental protection and stewardship, pollution prevention, and other District values. Creating art projects throughout the County will allow the District to have a presence and be a part of the culture and fabric of the various communities we serve. Additionally, the public art projects will further educate, bring awareness, and build community support around stream stewardship, environmental protection, water conservation, among other District efforts and initiatives. Staff has developed an outline of the program which will initially consist of the following two components:

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**ATTACHMENT(S):**

- Attachment 1: Community Benefits Program Overview
- Attachment 2: Water Education & Volunteer Program
- Attachment 3: PowerPoint

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## **Water Education & Volunteer Program**

The Office of Civic Engagement is the process of expanding the Water Education and Volunteer Program in a way that will help further the District's goals in water education and diversity engagement. Currently, the Program includes the following project areas: Recycled Water Outreach, Water Education Outreach, and a new District Volunteer pilot project.

**A. District Volunteer Project.** The goal of this new project is to develop an integrated and robust volunteer experience that engages a diverse group of volunteers to expand opportunities beyond just creek cleanups to other functions and areas within the District that could benefit from volunteer support. The first two project areas that will be expanded by volunteer support include the Water Education and Recycled Water Outreach projects to add bilingual teachers and tour docents to not only support those projects areas with trained volunteer resources, but to also further the OCE Unit's goal of diversity engagement. Having bilingual volunteers will allow the District to engage diverse communities that might not be accomplished otherwise.

Staff is currently working on developing a project plan to launch a new District Volunteer project in early 2018. Staff is gathering information from similar volunteer programs throughout the County to better understand structure, training programs, HR compliance and regulatory issues, background clearance and projected costs among other items, to build out our own program.

The volunteer project will include the following components and elements that are still under development for an early spring 2018 launch:

- a. Volunteer Staff Advisory Group - Form staff advisory group of influential volunteer leaders to help build and recruit other interested volunteers and provide input on volunteer opportunities.
- b. Bilingual Volunteers - Recruit and train a cadre of 5 -10 bilingual volunteers initially to serve as either education teacher aids, and/or tour docents for facility tours at the Silicon Valley Advanced Water Purification Center and/or other facilities, open house events, or special projects.
- c. Adopt-A-Creek Volunteers - Continue to grow and expand Adopt-a-Creek volunteers for creek cleanups and other potential volunteer opportunities.
- d. Ambassador program - Develop District ambassadors in which volunteers get specific training on local water issues and messaging. Ambassadors will then and serve as neighborhood leads in distributing messages when needed.

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# Civic Engagement Unit

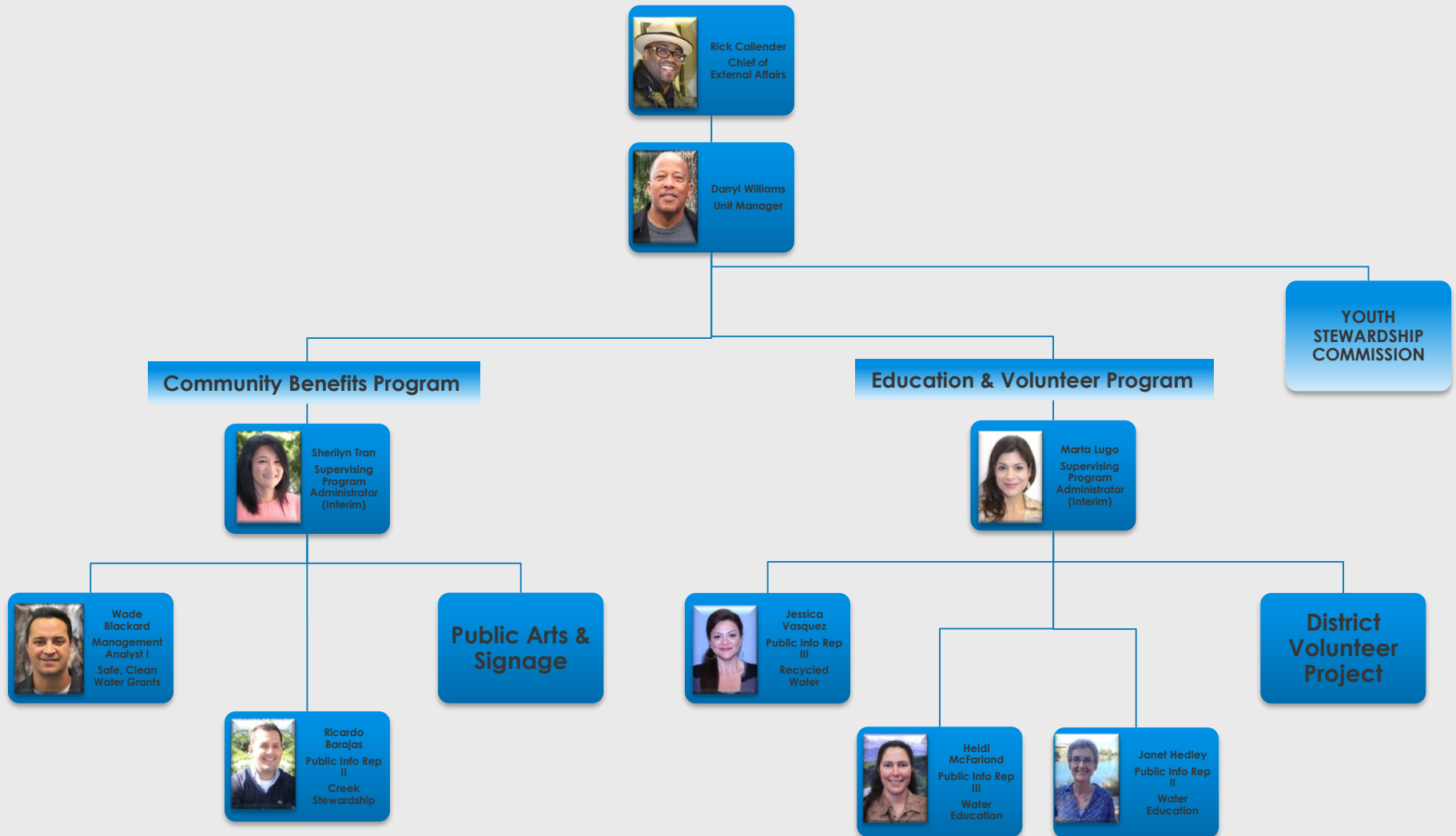
Board Presentation  
December 12, 2017



# Value Statement

The purpose of the **Office of Civic Engagement** is to advance and **build positive** and **proactive relationships** with the **community** through **engagement, education,** and **partnerships**. The programs and projects in the unit are designed to provide the community with **access to resources** and **opportunities** that will help **build understanding, trust,** and **support** for the District's goals and mission.

# Civic Engagement Structure



# Community Benefits Program

## Safe, Clean Water Grants & Partnerships



Photo: SF Bay Wildlife Society Project funded by B3 Pollution Prevention

## Creek Stewardship



Photo: National River Cleanup Day Volunteers

## Public Arts & Signage



Photo: Acquired from Internet - unknown location/artist

# Safe, Clean Water Grants Program

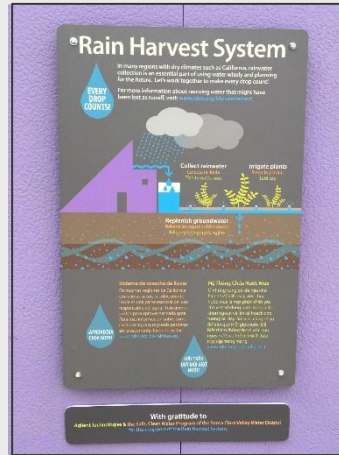


## Foothills Park Riparian Enhancement Project

2014 Safe, Clean Water Grant  
July 2014 - June 2017

(A3760R)

Lead Agency: Grassroots Ecology/Acterra  
Partner Agency: City of Palo Alto



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### Engagement

*more site visits, timely technical assistance, engaged with project progression*

### Outreach

*broader outreach into underserved communities, expand impact of grant dollars*

### Efficiency

*implement Grants Management System to streamline pre and post award process for staff and grantees*

# Creek Stewardship

## Creek Stewardship Cleanup Efforts Achievements 2017 (to date)

*National River Cleanup Day (May) Coastal Cleanup Day (Sept) Coyote Creek Cleanup (Sept)*

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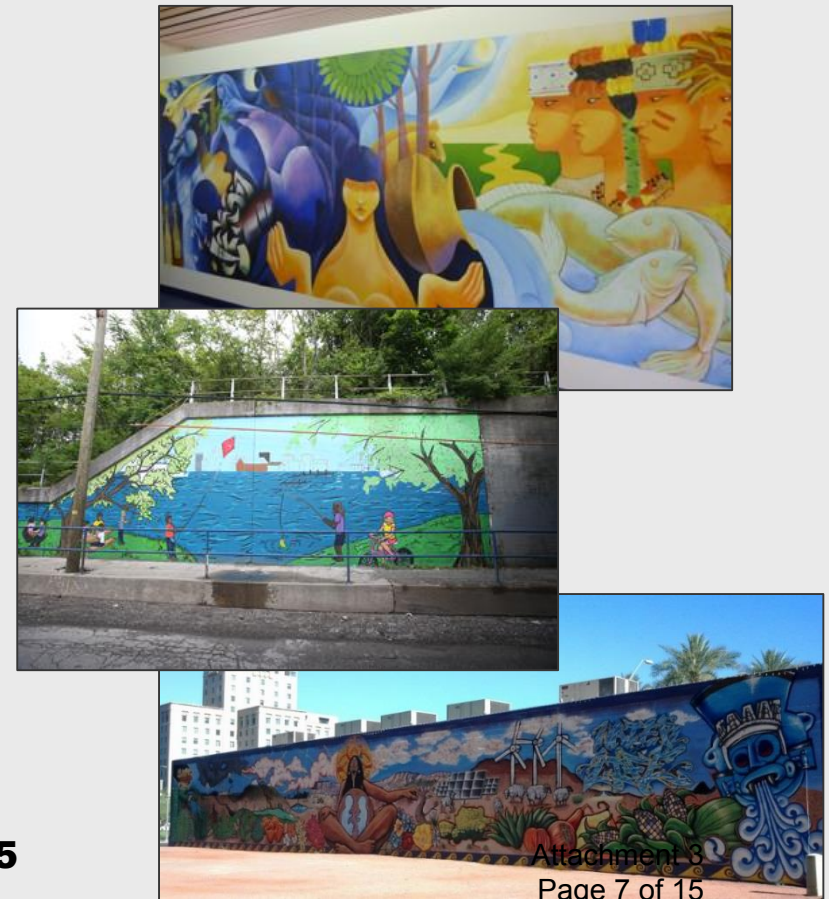
# Public Arts & Signage

Using **art** to convey messages about **water conservation**, **environmental protection** and **stewardship**, **pollution prevention**, and other **District values** throughout the county, will allow the District to be a part of the **culture** and **fabric** of the various **communities we serve**.

Adopt A Bench



Art Grants



# Water Education & Volunteer Program

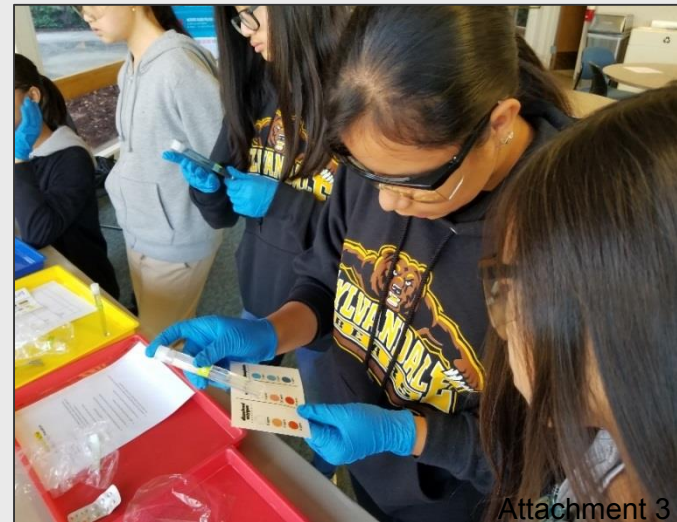
District Volunteer



Recycled Water Outreach



Water Education Outreach



# District Volunteer Project

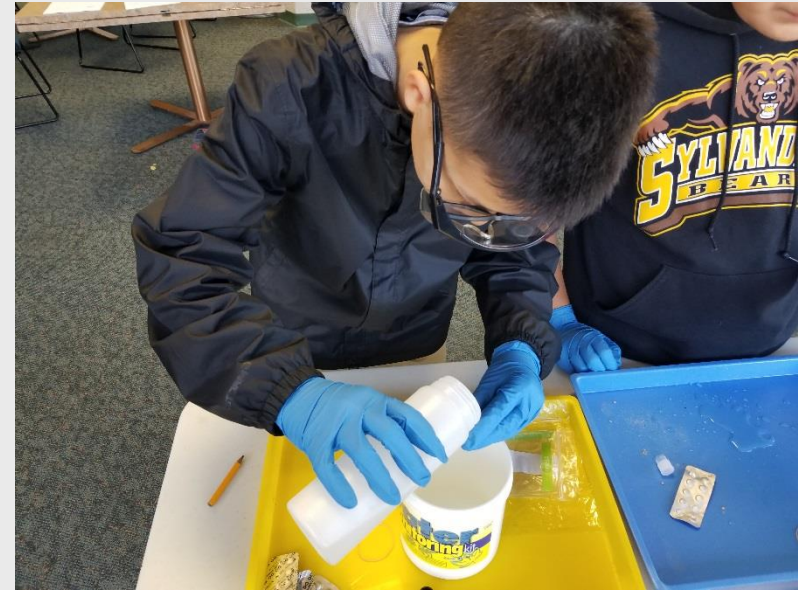
Create a robust **volunteer experience** that engages a **diverse** group of volunteers to **expands opportunities** beyond just creek cleanups to other functions and areas within the District that could benefit from **volunteer support**



# Water Education

## Successes and Milestones 2017

- County and City Library Outreach
- Summer Camp Programming
- First Lego-League Hydrodynamics Fall Tours & Presentations



# Water Education

## Looking ahead...

- Add Volunteers & Bilingual Tour Docents
- Targeted Schools outreach
- Flood Awareness & Recycled & Purified Water Outreach



# Recycled Water

## Success & Milestones

- Asian Community Tour Day on July 15
- Youth Tours at SVAWPC
- Community & Employee Outreach



# Recycled Water

## Looking ahead...

- Develop Bilingual Volunteer Tour Docent Program
- Multi-Ethnic Outreach & Special Events
- Social Marketing/ Media Campaign



# Youth Commission

Foster greater involvement of **youth** in local government to **inspire** and develop **future public policy leaders** and professionals with an **awareness** of issues and activities relating to **water supply, conservation, flood protection, and stream stewardship.**



City of Fresno Youth Commission





# Highlights of Key Accomplishments



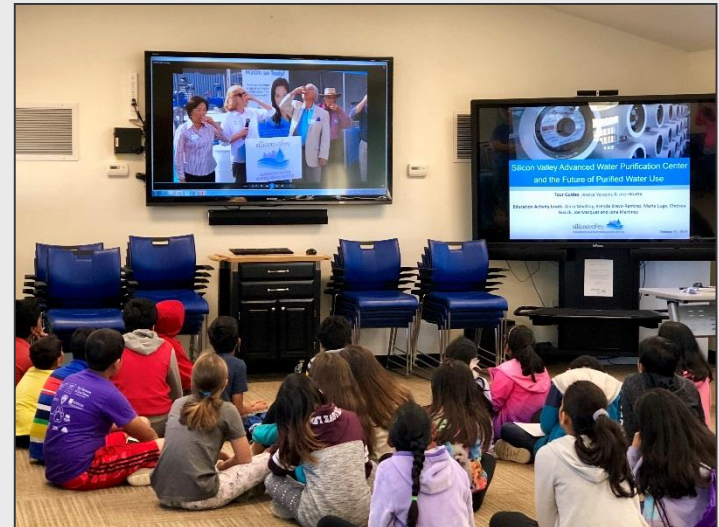
Asian Community Tour Day, July 15



Volunteer Recognition Awards, August 29



Coyote Creek Cleanup Day, September 30



1<sup>st</sup> Lego League SVAWPC Tour, October 21

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Committee: Agricultural Water  
Meeting Date: 04/02/18  
Agenda Item No.: 4.3  
Unclassified Manager: Garth Hall  
Email: [ghall@valleywater.org](mailto:ghall@valleywater.org)  
Est. Staff Time: 10 minutes

## COMMITTEE AGENDA MEMO

**SUBJECT:** Update on the Zone of Benefit Study

### RECOMMENDED ACTION:

This is a discussion item and the Committee may provide comments if applicable, however no action is required.

### SUMMARY:

The Santa Clara Valley Water District (District) Act authorizes the District Board of Directors (Board) to establish and revise zones of benefit, and to collect groundwater charges within zones that benefit from District activities to protect and augment water supplies. The purpose of the Zone of Benefit Study is to review the mapped extent of the zones and recommend changes to ensure they reflect areas where groundwater users receive similar benefit from District activities. This study is not evaluating the rates applied to groundwater production within any zone.

The preliminary technical study is complete, and the District is seeking input from private well users, water retailers, and other interested stakeholders. The technical analysis relies on measured data, groundwater modeling, and geological mapping to demonstrate areas benefitting from District activities. The preliminary study report, which was reviewed by an independent panel of experts, recommends six zones of benefit as compared to the two existing zones. Staff expects to present the study report to the Board in May 2018 with recommendations for changes to the zones of benefit. If the Board approves changes, additional actions needed include the development and Board adoption of the legal survey description for new zones, and analysis of the rates to be applied within each zone.

### BACKGROUND:

In accordance with the District Act and the Sustainable Groundwater Management Act (SGMA), the District works to protect the beneficial uses of groundwater in Santa Clara County. This includes managed recharge of local and imported water, and “in-lieu” recharge programs that increase groundwater storage by reducing the need for pumping. Managed recharge facilities (percolation ponds and creeks) are located in alluvium, the unconsolidated water-bearing sediments along the valley floor. In-lieu recharge includes treated and raw surface water deliveries, long-term water conservation programs, and programs to expand the use of recycled water. The District also works to protect groundwater quality by implementing the well ordinance program, monitoring groundwater, and engaging with regulatory and land use agencies. These programs are primarily funded by revenue received from groundwater production charges assessed within the zones of benefit.

The District Act authorizes the Board to establish zones where groundwater pumpers benefit directly and indirectly from District activities to protect and augment water supplies. The District has two active Zones, W-2 and W-5, which were established in 1963 and 1977, respectively. In general, Zone W-2 extends from Metcalf Road to the county's northern boundary, and largely coincides with the northern portion of the Santa Clara Subbasin (Santa Clara Plain). Zone W-5 generally extends from Metcalf Road to the county's southern boundary, and largely coincides with the Coyote Valley and the Llagas Subbasin. The District last modified Zone W-2 in 1971 and Zone W-5 in 2008.

### **Study Approach**

Both District activities and the understanding of the basins have changed since the existing zones were established many decades ago. To ensure the zones accurately reflect areas receiving benefit, the District initiated this study to evaluate the zones holistically rather than through individual requests for exemption.

The District executed an agreement with Hydrometrics Water Resources Inc. (a consulting firm specializing in developing, protecting, and managing groundwater and surface water resources) to conduct the study. Prior to conducting any analysis, stakeholder feedback on the study methodology was solicited from interested stakeholders through a Community Open House in March 2015, Water Retailer's Groundwater Subcommittee meetings in March and October 2015, and the Agricultural Water Advisory Committee in July 2015. The draft methodology was also reviewed by an independent Technical Review Committee in November 2015.

The study methodology included the following:

- Mapping features that affect groundwater occurrence and flow, such as water-bearing geologic formations, groundwater divides, and faults
- Mapping District groundwater management activities
- Using groundwater level data and groundwater models to determine areas benefitting from major District activities while accounting for climate or other influencing factors

Major groundwater management activities analyzed included treated water deliveries, managed recharge, and recycled water programs. Due to the relatively higher costs associated with imported water, the study differentiated between managed recharge systems that use imported water and those that use only local runoff. The District's long-term water conservation programs and groundwater protection efforts were not used to distinguish zones because they are distributed widely throughout the District's service area and benefit all groundwater users. Areas were included in a zone of benefit if any of the following criteria were met:

- Water supply is provided by a District activity
- Groundwater supply reliability is improved due to District activities
- Land subsidence is prevented or limited due to District activities
- Salt water intrusion is reversed or controlled due to District activities
- Groundwater quality is improved or maintained due to District activities
- Groundwater levels are improved due to District activities

## Preliminary Study Findings

The technical analysis presented in the Preliminary Zone of Benefit Study Report supports the following key conclusions:

1. Benefits from District managed and in-lieu recharge extend throughout hydrogeologically-connected alluvium under the valley floor. Because these water-bearing deposits are interconnected, benefits are not limited to the immediate vicinity of District activities.
2. District recharge activities have improved the water balance in hydrogeologically-connected areas over time.
3. Groundwater data do not clearly demonstrate that benefits from District treated water deliveries in the Santa Clara Plain extend south into Coyote Valley.
4. Groundwater data are not available to evaluate whether recharge activities in the valley floor alluvium benefit the Santa Clara Formation on the west side of the Santa Clara Plain, including the Los Altos Hills area. However, treated water deliveries in the Santa Clara Formation benefit connected areas within that formation.
5. Groundwater data are not available to evaluate whether benefits from District activities in alluvium extend into bedrock. However, bedrock areas receiving District treated water benefit from in-lieu recharge to those areas.
6. Groundwater data are not available to evaluate whether the managed recharge of imported water in the Llagas Subbasin valley floor benefits the narrow alluvium along Llagas and Uvas Creeks that is downstream of District reservoirs but upstream of the valley floor. However, the alluvium in this area does benefit from District releases of local runoff for managed recharge.

Based on these conclusions, Hydrometrics proposes modifications to align the zone boundaries with the major District activities benefitting groundwater users within those areas. Specifically, the Preliminary Zone of Benefit Report proposes the following six zones of benefit (Attachment 1):

<b>Proposed Zone</b>	<b>Location</b>	<b>Major District Activities Benefitting the Zone</b>
A	North County Valley Floor (Santa Clara Plain Alluvium)	<ul style="list-style-type: none"> <li>• Managed Aquifer Recharge</li> <li>• Treated Water Deliveries</li> <li>• Recycled Water Programs</li> </ul>
B1	Western Margin of North County Valley Floor (Santa Clara Formation in the Santa Clara Plain including Los Altos Hills Area)	<ul style="list-style-type: none"> <li>• Treated Water Deliveries</li> </ul>
B2	Margins of North County Valley Floor (Bedrock Adjacent to the Santa Clara Plain)	<ul style="list-style-type: none"> <li>• Treated Water Deliveries</li> </ul>
C	Coyote Valley (Alluvium)	<ul style="list-style-type: none"> <li>• Managed Aquifer Recharge</li> </ul>
D	South County Valley Floor (Llagas Subbasin Alluvium)	<ul style="list-style-type: none"> <li>• Managed Aquifer Recharge</li> <li>• Recycled Water Programs</li> </ul>
E	South County Western Foothills (Llagas Subbasin Alluvium)	<ul style="list-style-type: none"> <li>• Managed Aquifer Recharge (Local Runoff Only)</li> </ul>

As noted previously, all zones benefit from the District's long-term water conservation and groundwater protection programs.

**Next Steps**

The next step is continuing to engage interested stakeholders and solicit their feedback on the preliminary study, which is posted on the District website at [www.valleywater.org/zone-of-benefit-study](http://www.valleywater.org/zone-of-benefit-study). Opportunities for input from interested stakeholders prior to any Board action include various meetings to discuss the findings, and direct input to staff. Based on stakeholder input, Hydrometrics will consider any revisions needed to the study report.

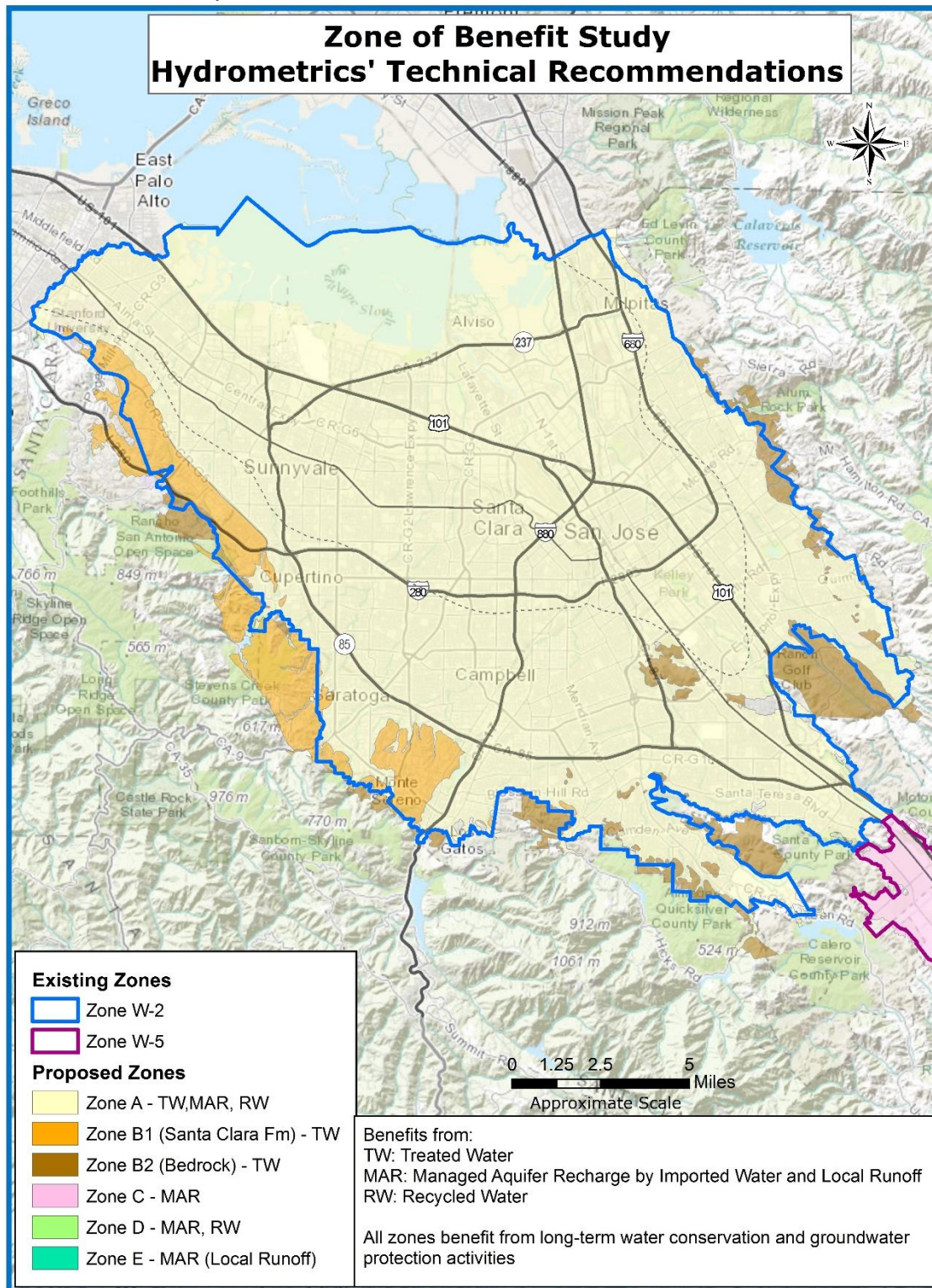
Staff expects to present the study report to the Board in May 2018 with recommendations for changes to the zones of benefit. If the Board approves zone modifications, a legal survey description of the new zones (metes and bounds) will be developed for Board consideration in accordance with District Act requirements. It is expected that the metes and bounds would be brought to the Board in November 2018, if needed. If new or modified zones are established, the rate to be applied within each modified zone would then need to be evaluated in accordance with the District Act.

**ATTACHMENT(S):**

Attachment 1: Map of Technical Recommendations for Modified Zones of Benefit

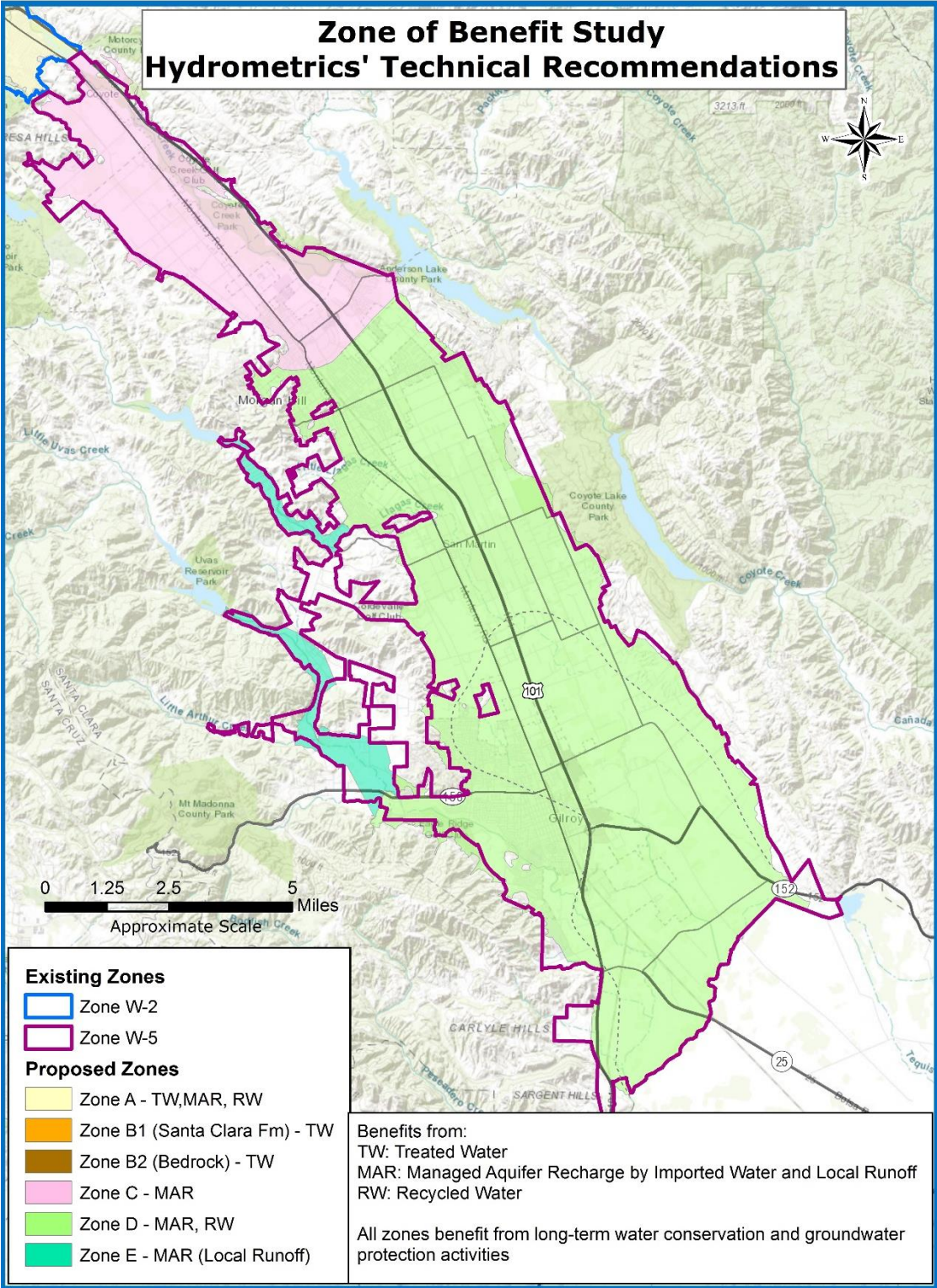
Attachment 2: PowerPoint

Attachment 1: Map of Technical Recommendations for Modified Zones of Benefit\*



\*Refer to Detailed Notes on Page 3

# Zone of Benefit Study Hydrometrics' Technical Recommendations





## Notes

### **Zone A: North County Valley Floor (Santa Clara Plain Alluvium)<sup>1</sup>**

Zone A consists of areas overlying unconsolidated alluvium,<sup>2</sup> and is demonstrated to benefit from District treated water deliveries, managed aquifer recharge using local runoff and imported water, and recycled water programs. Zone A excludes areas overlying the Santa Clara Formation, where benefits from managed aquifer recharge are not evaluated due to limited well data. The northern extent is the San Mateo-Santa Clara County line and the southern extent is the boundary between existing Zones W-2 and W-5 near Metcalf Road in San Jose.

### **Zone B1: Western Margin of North County Valley Floor (Santa Clara Formation in the Santa Clara Plain including Los Altos Hills Area)**

Zone B1 consists of areas overlying the Santa Clara Formation that are hydrogeologically-connected to areas where District treated water is delivered. Foothill Expressway is used to approximate the eastern extent of the Santa Clara Formation underlying alluvial deposits. In addition to approximating this geological boundary, this also lines up with the District treated water delivery area for the Cal Water Los Altos service area. Treated water deliveries benefit this zone by reducing the need for groundwater pumping, which results in higher groundwater levels. Data are not available to demonstrate benefits from the District's managed aquifer recharge.

### **Zone B2: Margins of North County Valley Floor (Bedrock Adjacent to the Santa Clara Plain)**

Zone B2 consists of areas overlying bedrock where District treated water is delivered. Bedrock areas outside the treated water delivery areas are excluded from this and other zones because bedrock fractures with accessible groundwater may be limited in areal extent. Therefore, the benefit is not considered to extend beyond the treated water delivery area. Zone B2 includes many separate areas along the margins of the Santa Clara Plain.

### **Zone C: Coyote Valley (Alluvium)**

Zone C consists of areas overlying unconsolidated alluvium in the Coyote Valley, where benefits from managed aquifer recharge using both local runoff and imported water are demonstrated. The northern extent is the boundary between existing Zones W-2 and W-5. The southern boundary is the boundary between the California Department of Water Resources (DWR) Santa Clara and Llagas subbasins that approximates the groundwater divide separating the two basins.

### **Zone D: South County Valley Floor (Llagas Subbasin Alluvium)**

This zone consists of areas overlying unconsolidated alluvium in the valley floor of the Llagas Subbasin where benefits from managed aquifer recharge of imported and local water and the recycled water program are demonstrated. The northern extent is the boundary between the Santa Clara and Llagas subbasins as defined by DWR. The southern boundary is the Santa Clara-San Benito County line, which corresponds with the southernmost extent of the Llagas Subbasin and unconsolidated alluvium in Santa Clara County.

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<sup>1</sup> See definitions below.

<sup>2</sup> Geological contacts between alluvium, Santa Clara Formation, and bedrock are based on mapping from the U.S. Geological Survey.

### **Zone E: South County Western Foothills (Llagas Subbasin Alluvium)**

This zone consists of areas overlying unconsolidated alluvium along upper Uvas and Llagas creeks downstream of the District's Chesbro and Uvas reservoirs. The narrow alluvial channels of Zone E are surrounded by bedrock and are uphill from the valley floor, but they benefit from reservoir releases of local runoff for managed aquifer recharge. The boundary between proposed Zones D and E is based upon the location where data and groundwater model results are available to demonstrate benefit from imported water. Alluvium along tributaries that are not directly downstream of District reservoirs is excluded from this zone.

### **Definitions**

**Alluvium:** Gravel, sand, silt, and clay eroded from adjacent mountain ranges by flowing water and deposited in the valley floor. Alluvium in the Santa Clara Valley can be unconsolidated (not cemented together into a solid rock) or semi-consolidated, and is relatively young geologically (less than 2.6 million years old). Groundwater generally flows through pores in these water-bearing sediments until encountering bedrock or another hydrogeologic boundary.

**Bedrock:** Solid (consolidated) rock typically underlying loose deposits such as soil or alluvium. In the Santa Clara Valley, bedrock underlies alluvial sediments within the valley floor. Bedrock of the adjacent Santa Cruz Mountains and Diablo Range also bounds connected areas of alluvium to the west and east, respectively. Unlike unconsolidated alluvium, bedrock does not readily transmit water to wells, with flow typically occurring in fractures where they exist.

**Coyote Valley:** The Coyote Valley is comprised of water-bearing alluvium and extends from Metcalf Road in San Jose to Cochrane Road in Morgan Hill. Coyote Valley forms the southernmost extent of the Santa Clara Subbasin as defined by DWR, covering a surface area of about 17 square miles.

**Llagas Subbasin:** The Llagas Subbasin (DWR Basin 3-3.01) extends from a groundwater divide near Cochrane Road in Morgan Hill to the Santa Clara-San Benito County boundary. The subbasin covers a surface area of about 88 square miles and consists of water-bearing alluvial sediments beneath the valley floor.

**Santa Clara Formation:** This geologic formation consists of slightly-consolidated or semi-consolidated alluvium along the western edges of the Santa Clara Plain. The formation is variable in its ability to store and transmit water, and the permeability is considered less certain compared to the unconsolidated alluvium in the valley floor. However, portions of the formation are known to be water-bearing based on sustained pumping from numerous wells.

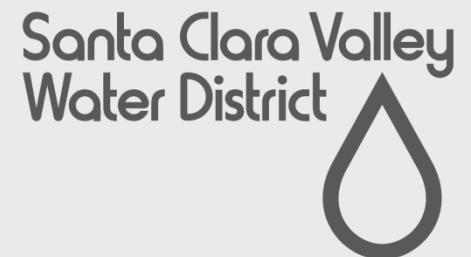
**Santa Clara Plain:** The Santa Clara Plain extends from southern San Francisco Bay to the Coyote Narrows near Metcalf Road in San Jose and generally coincides with the urban areas of northern Santa Clara County. The Santa Clara Plain covers 280 square miles, and represents the northern portion of the Santa Clara Subbasin as defined by DWR.

**Santa Clara Subbasin:** The Santa Clara Subbasin (DWR Basin 2-9.02) includes the Santa Clara Plain and Coyote Valley, extending from southern San Francisco Bay to near Cochrane Road in Morgan Hill. The subbasin consists of water-bearing alluvial sediments beneath the valley floor.

# Update on the Zone of Benefit Study

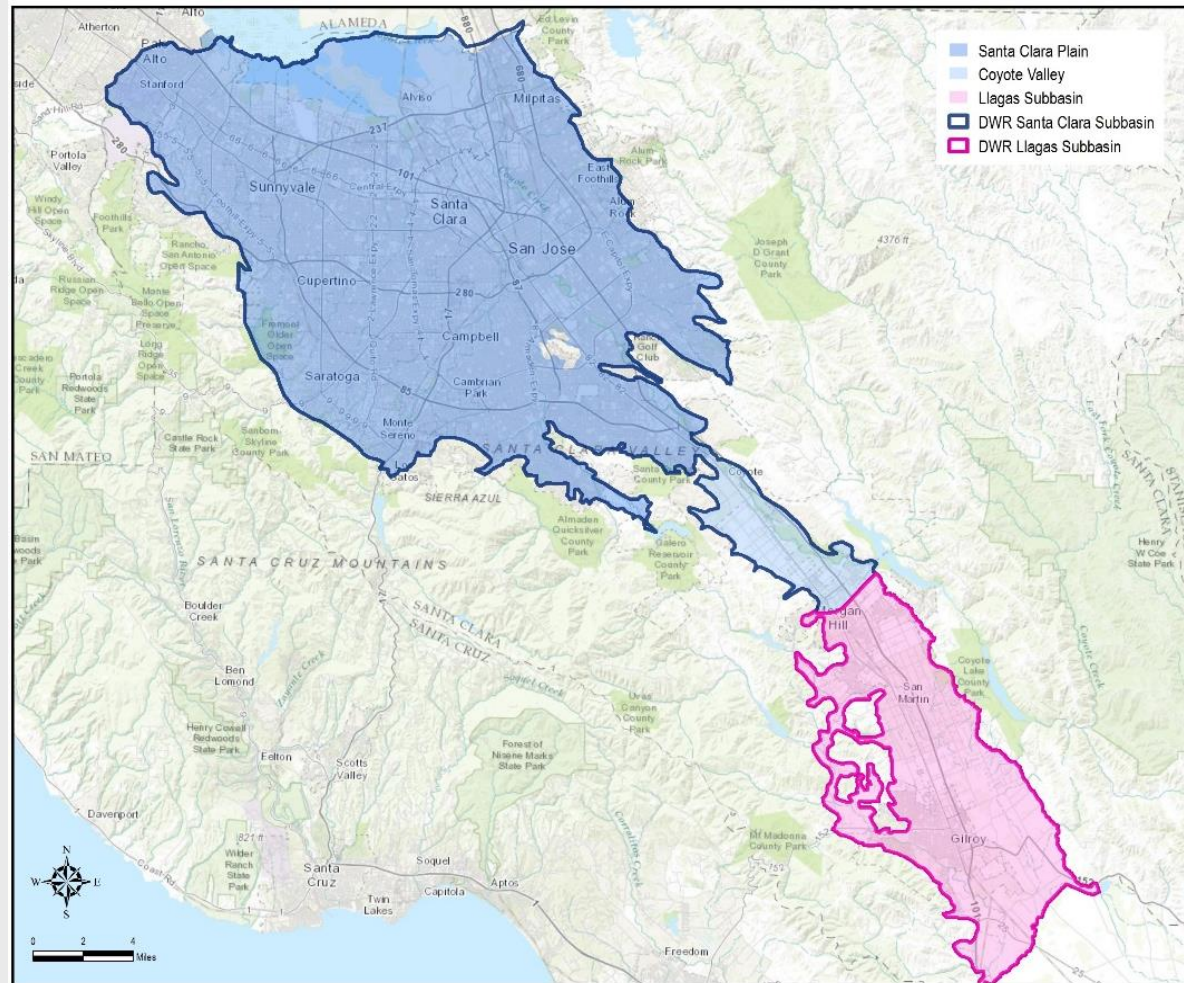
Agricultural Water Advisory Committee Meeting

April 2, 2018



# Groundwater management drivers

- ▶ Ensure continued reliability
- ▶ Avoid undesirable results
- ▶ Fulfill obligations of the District Act and SGMA\*



\*Sustainable Groundwater Management Act

# Comprehensive management



- Add water through managed aquifer recharge
- Reduce pumping through in-lieu recharge
  - Treated water
  - Raw water
  - Water conservation
  - Recycled water
- Protect groundwater quality

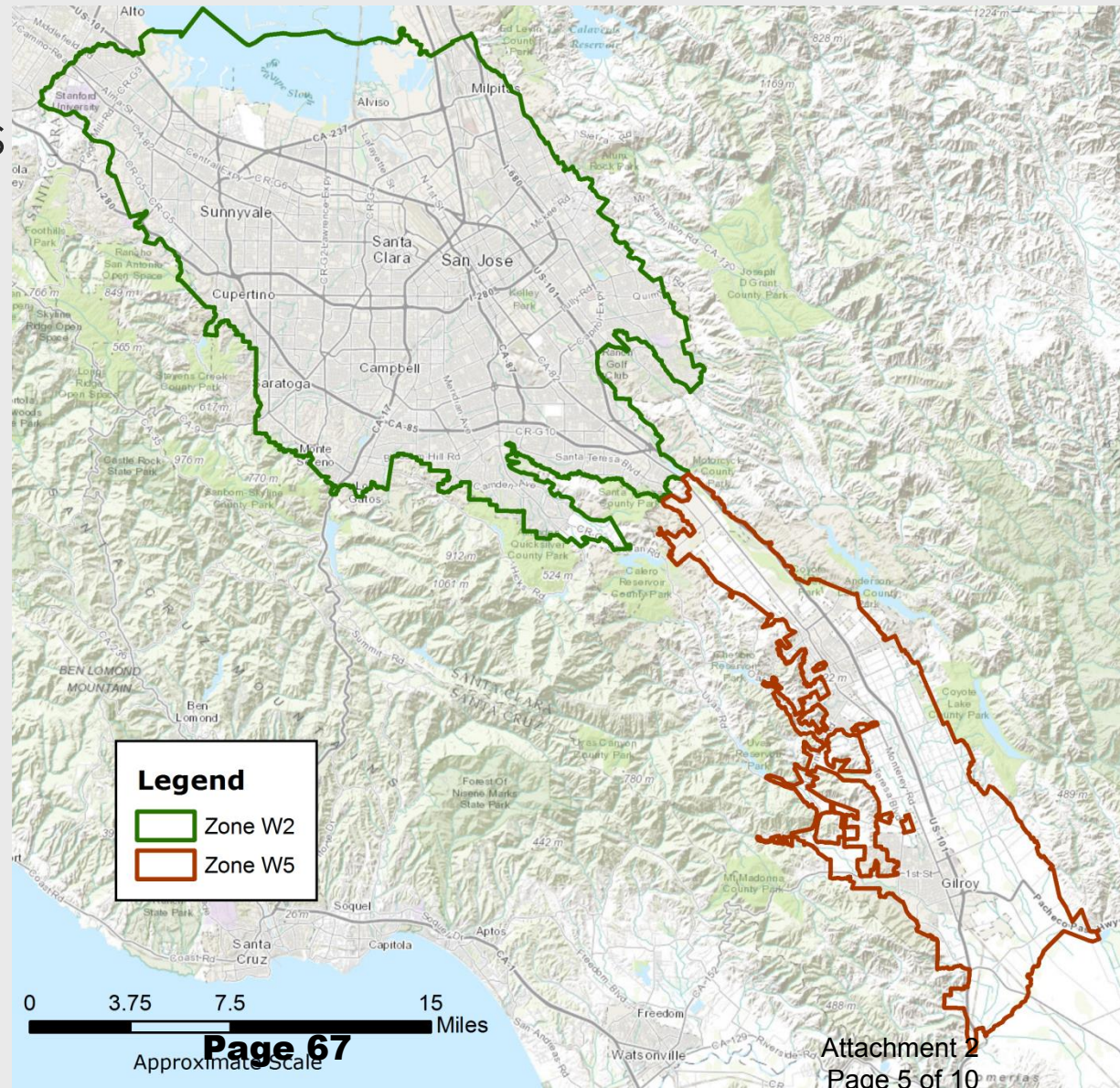
# Goals of zone of benefit study

- ▶ Ensure zones reflect areas benefitting from District activities
- ▶ Establish process for future charge zone exemption requests
- ▶ Conduct transparent study with stakeholder input



# Zones support continued sustainability

- ▶ Zones fund activities to replenish and protect groundwater
- ▶ Zone W2 established 1963
- ▶ Zone W5 established 1977



# Study methodology

## Map District Activities

- Major activities that benefit groundwater users and can help define zones

## Map Groundwater Features

- Geologic features that affect groundwater occurrence or flow

## Evaluate Benefits

- Use measured data and models to identify areas receiving similar benefits



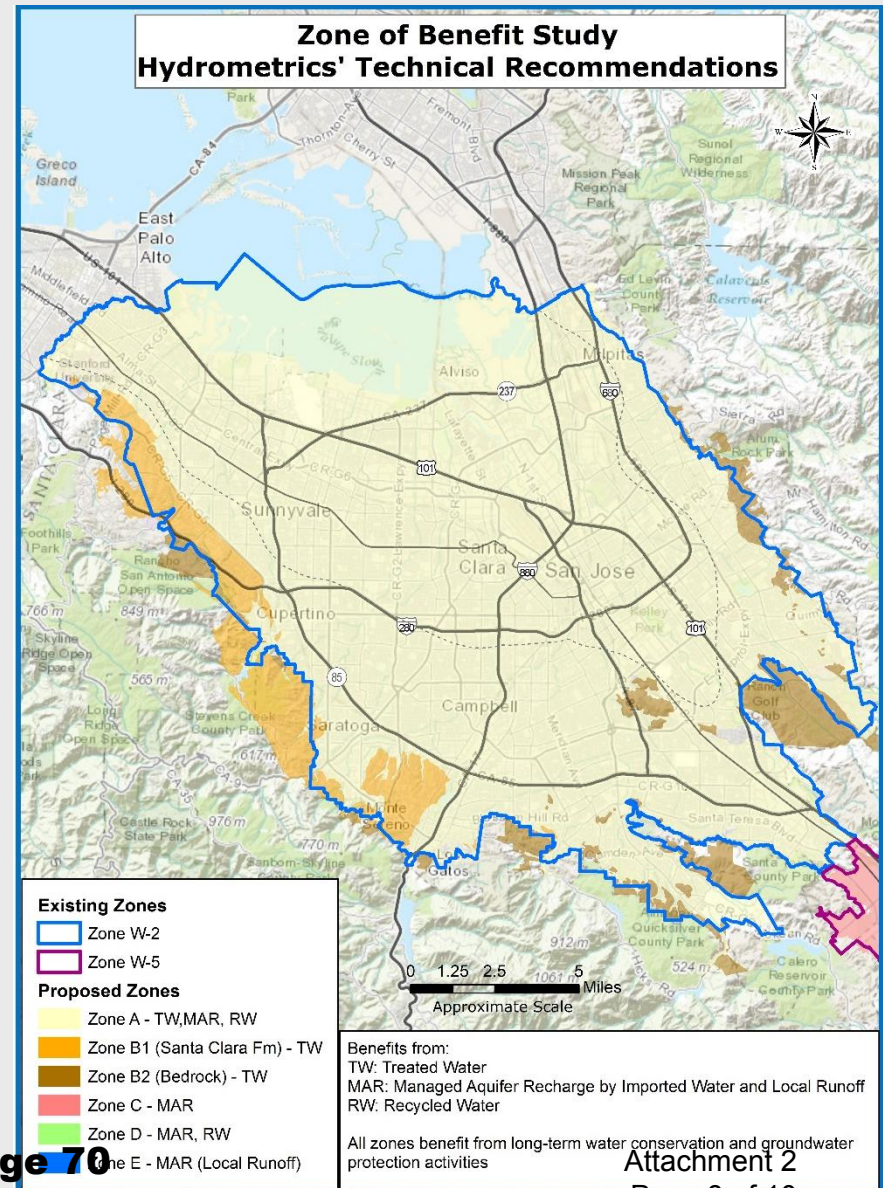
# Key findings

- ▶ Benefits from District groundwater management activities are well demonstrated by data and models along the valley floor
- ▶ Less data is available near the margins of the valley floor
  - ▶ More difficult to evaluate the effect of District activities
  - ▶ These areas benefit from activities occurring locally (treated water deliveries or reservoir releases)

# North County technical recommendations

Define three zones that could replace Zone W-2:

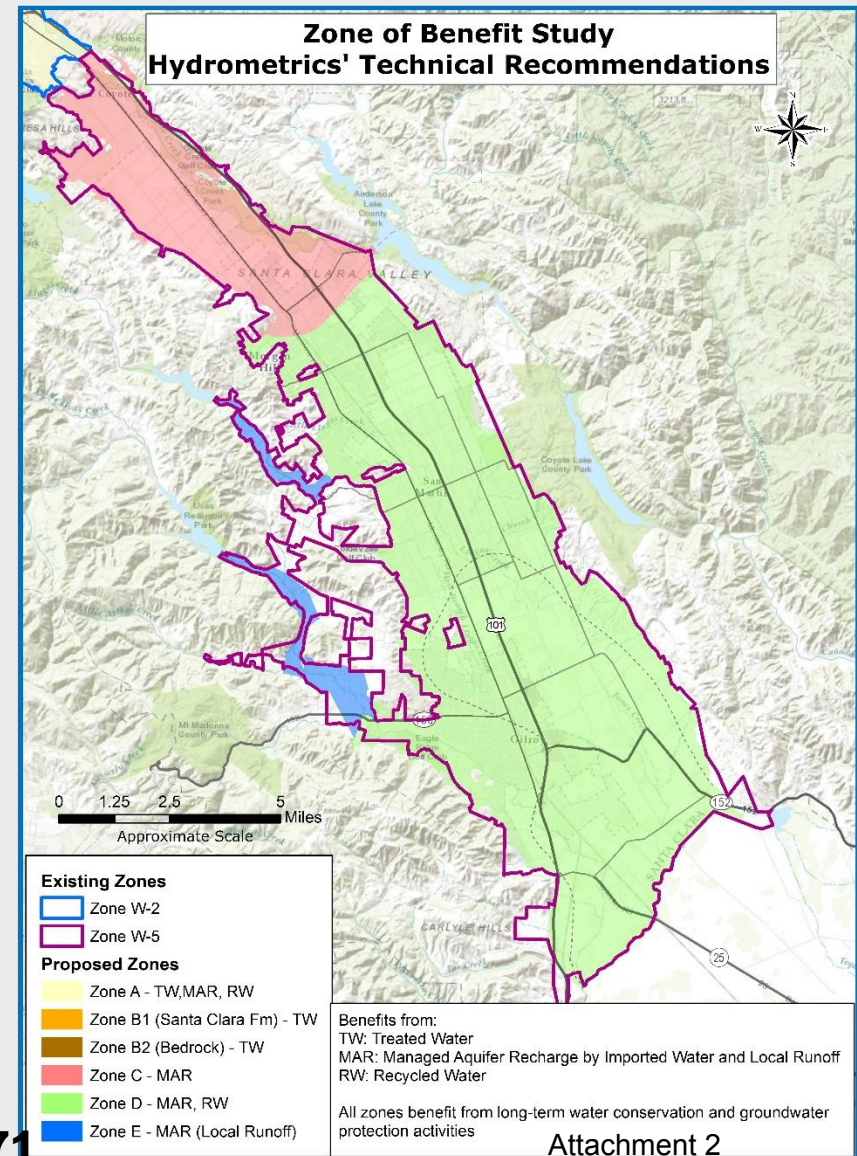
- ▶ Zone A
  - ▶ Alluvium in valley floor
  - ▶ Benefits similar to Zone W-2
- ▶ Zone B1
  - ▶ Santa Clara Formation along western margin of valley floor
  - ▶ Benefits from treated water deliveries
- ▶ Zone B2
  - ▶ Bedrock along valley floor margins
  - ▶ Benefits from treated water deliveries



# South County technical recommendations

Define three zones that could replace Zone W-5:

- ▶ Zone C
  - ▶ Coyote Valley alluvium
  - ▶ Benefits from managed recharge
- ▶ Zone D
  - ▶ Llagas Subbasin alluvium
  - ▶ Benefits similar to Zone W-5
- ▶ Zone E
  - ▶ Alluvium along Uvas and Llagas Creeks downstream of reservoirs
  - ▶ Benefits from managed recharge of local runoff



# Next steps

Conduct stakeholder outreach  
(March - April 2018)

Further evaluate administrative costs and requirements for candidate new zones

Present recommendations to Board  
(May 2018)

Present legal description of new zone(s)  
for Board consideration (November 2018)\*

Conduct study to determine rate in any  
new or modified zone\*

\* If necessary based on Board direction in previous steps.



Committee: Agricultural Water  
Meeting Date: 04/02/18  
Agenda Item No.: 4.4  
Unclassified Manager: Michele King  
Email: [mking@valleywater.org](mailto:mking@valleywater.org)  
Est. Staff Time: 5 minutes

## COMMITTEE AGENDA MEMO

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

### RECOMMENDED ACTION:

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

### SUMMARY:

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

### ATTACHMENT(S):

Attachment 1: Agricultural Water Advisory Committee 2018 Work Plan  
Attachment 2: Agricultural Water Advisory Committee July 2, 2018 Draft Agenda



## 2018 Work Plan: Agricultural Water Advisory Committee

Update: February 2018

GP8. 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.

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	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
1	Election of Chair and Vice Chair for 2018	January 8	<ul style="list-style-type: none"> <li>Committee Elects Chair and Vice Chair for 2018. <b>(Action)</b></li> </ul>	<p><b>Accomplished January 8, 2018:</b> The Committee elected Mr. Mitchell Mariani as 2018 Committee Chair and Mr. David Vanni as 2018 Agricultural Water Advisory Committee Vice Chair.</p>
2	Annual Accomplishments Report	January 8	<ul style="list-style-type: none"> <li>Review and approve 2017 Accomplishments Report for presentation to the Board. <b>(Action)</b></li> <li>Submit requests to the Board, as appropriate.</li> </ul>	<p><b>Accomplished January 8, 2018:</b> The Committee reviewed and approved the 2017 Accomplishments Report for presentation to the Board</p>
3	Winter Preparedness Update	January 8	<ul style="list-style-type: none"> <li>Receive an update on the District's Winter Preparedness Program <b>(Information)</b></li> </ul>	<p><b>Accomplished January 8, 2018:</b> The Committee received information on Winter Preparedness and took no action.</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1  
Page 1 of 5

# 2018 Work Plan: Agricultural Water Advisory Committee

Update: February 2018

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
4	<p><b>Review of Agricultural Water Advisory Committee Work Plan, the Outcomes of Board Action of Committee Requests and the Committee's Next Meeting Agenda</b></p>	<p>January 8 February 26 special meeting April 2 July 2 October 1</p>	<ul style="list-style-type: none"> <li>• Receive and review the 2018 Board-approved Committee work plan. <b>(Action)</b></li> <li>• Submit requests to the Board, as appropriate.</li> </ul>	<p><b>Accomplished January 8, 2018:</b> The Committee reviewed the 2018 work plan and took the following action:</p> <ol style="list-style-type: none"> <li>1. Zone of Benefit Study for April's Agenda</li> <li>2. Climate Ag Plan Update/Discussion for April's Agenda</li> <li>3. CA WaterFix for October's Agenda</li> <li>4. Coyote Valley Farm/Ag Land, Groundwater Basin Update the District's position for July's or October's agenda</li> </ol> <p><b>Accomplished February 26, 2018:</b> The Committee reviewed the 2018 work plan and took no action.</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1  
Page 2 of 5



ITEM	WORK PLAN ITEM BOARD POLICY	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
5	Review and comment to the Board on the Open Space Credit Policy	February 26 special meeting	<ul style="list-style-type: none"> <li>Review and comment to the Board on the Open Space Credit Policy (<b>Action</b>)</li> <li>Provide comment to the Board in the implementation of the District's mission as it applies to the Open Space Credit Policy.</li> </ul>	<p><b>Accomplished February 26, 2018:</b> The Committee reviewed and commented to the Board on the Open Space Credit Policy with the following action:</p> <ol style="list-style-type: none"> <li>The Committee recommended strongly that the Open Space Credit Policy be maintained as is.</li> <li>The Committee requested that the Board direct staff to provide an in-depth analysis and response on the Open Space Authority letter and Mr. Dhruv Khanna's memo and report back to the Committee for their response and action.</li> <li>The Committee request that the Board direct staff to provide a more equitable analysis of the impacts of development throughout the county consisting of the ecosystem's benefit of agriculture.</li> <li>The Committee requested that the Board direct staff to review the audio of today's meeting and capture those key comments that were discussed and have a response and report back to the Committee.</li> </ol>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

# 2018 Work Plan: Agricultural Water Advisory Committee

Update: February 2018

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
6	Review and comment to the Board on the Groundwater Production Charge Setting Process	February 26 special meeting	<ul style="list-style-type: none"> <li>Review and comment to the Board on the Groundwater Production Charge Setting Process. <b>(Action)</b></li> <li>Provide comment to the Board in the implementation of the District's mission as it applies to the Groundwater Production Charge Setting Process.</li> </ul>	<p><b>Accomplished February 26, 2018:</b> The Committee reviewed on the Groundwater Production Charge Setting Process with no comments to the Board or action.</p>
7	Review and Comment to the Board on the Fiscal Year 2018 - 2019 Proposed Groundwater Production Charges.	April 2	<ul style="list-style-type: none"> <li>Review and comment to the Board on the Fiscal Year 2019 Proposed Groundwater Production Charges. <b>(Action)</b></li> <li>Provide comments to the Board, as necessary.</li> </ul>	
8	Civic Engagement	April 2	<ul style="list-style-type: none"> <li>Receive information on Civic Engagement. <b>(Action)</b></li> <li>Provide comments to the Board, as necessary.</li> </ul>	
9	Zone of Benefit Study	April 2	<ul style="list-style-type: none"> <li>Receive information on the Zone of Benefit Study. <b>(Action)</b></li> <li>Provide comments to the Board, as necessary.</li> </ul>	

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1  
Page 4 of 5

# 2018 Work Plan: Agricultural Water Advisory Committee

Update: February 2018

ITEM	WORK PLAN ITEM BOARD POLICY	MEETING	INTENDED OUTCOME(S) (Action or Information Only)	ACCOMPLISHMENT DATE AND OUTCOME
10	Update on Climate Agricultural Plan	July 2	<ul style="list-style-type: none"> <li>Receive updated on Climate Agricultural Plan. <b>(Action)</b></li> <li>Provide comments to the Board, as necessary.</li> </ul>	
11	Coyote Valley Farm/Ag Land, Groundwater Basin Update the District's position	July 2	<ul style="list-style-type: none"> <li>Discuss Coyote Valley Farm/Ag Land, Groundwater Basin Update the District's position. <b>(Action)</b></li> <li>Provide comments to the Board, as necessary.</li> </ul>	
12	Climate Change Mitigation – Carbon Neutrality by 2020 Program Update, Climate Change and Sea Level Rise Adaptation – Water Supply, Flood Protection, Ecosystems Protection	October 1	<ul style="list-style-type: none"> <li>Receive information on climate change mitigation – carbon neutrality by 2020 program update. <b>(Action)</b></li> <li>Provide comments to the Board, as necessary.</li> </ul>	
13	Update on CA WaterFix	October 1	<ul style="list-style-type: none"> <li>Receive update on CA WaterFix. <b>(Action)</b></li> <li>Provide comments to the Board, as necessary.</li> </ul>	

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1  
Page 5 of 5

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**Committee Officers**  
Mitchell Mariani, Committee Chair  
David Vanni, Committee Vice Chair

**Board Representative**  
Nai Hsueh, Alternate  
Richard P. Santos, Board Representative  
John L. Varela, Board Representative

**DRAFT AGENDA**

**AGRICULTURAL WATER ADVISORY COMMITTEE**

**MONDAY, JULY 2, 2018**

**1:30 p.m. – 3:30 p.m.**

**Santa Clara Valley Water District  
Headquarters Building Boardroom  
5700 Almaden Expressway  
San Jose, CA 95118**

**Time Certain:  
1:30 p.m.**

- 1. Call to Order/Roll Call**
- 2. Time Open for Public Comment on Any Item Not on Agenda**  
*Comments should be limited to two minutes. If the Committee wishes to discuss a subject raised by the speaker, it can request placement on a future agenda.*
- 3. Approval of Minutes**
  - 3.1 Approval of Minutes – January 8, 2018, meeting
- 4. Action Items**
  - 4.1 Update Climate Ag Plan (Garth Hall)  
**Recommendation: This is a discussion item and the Committee may provide comments if applicable, however no action is required.**
  - 4.2 Coyote Valley Farm/Ag Land, Groundwater Basin Update the District's position (Vanessa De La Piedra)  
**Recommendation: This is a discussion item and the Committee may provide comments if applicable, however no action is required.**
  - 4.3 Review Agricultural Water Advisory Committee Work Plan, the Outcomes of Board Action of Committee Requests and the Committee's Next Meeting Agenda (Committee Chair)  
**Recommendation: Review the Board-approved Committee work plan to guide the committee's discussions regarding policy alternatives and implications for Board deliberation.**
- 5. Clerk Review and Clarification of Committee Requests to the Board**  
*This is a review of the Committee's Requests, to the Board (from Item 4). The Committee may also request that the Board approve future agenda items for Committee discussion.*

6. **Reports**

*Directors, Managers, and Committee members may make brief reports and/or announcements on their activities. Unless a subject is specifically listed on the agenda, the Report is for information only and not discussion or decision. Questions for clarification are permitted.*

6.1 Director's Report

6.2 Manager's Report

6.3 Committee Member Reports

7. **Adjourn:** Adjourn to next regularly scheduled meeting at 1:30 p.m., **October 1, 2018**, in the Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, CA 95118

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 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.

The Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend committee meetings. Please advise the Clerk of the Board office of any special needs by calling 1-408-630-2277.

**Agricultural Water Advisory Committee Purpose and Duties**

The Agricultural Water Advisory Committee of the Santa Clara Valley Water District (District) is established per the District Act to assist the District Board of Directors (Board) with policies pertaining to agricultural water supply and use.

The specific duties are:

- Providing input on policy alternatives for Board deliberation, when requested by the Board.
- Providing comment on activities in the implementation of the District's mission that the Board will consider or refer to staff.
- Producing and presenting to the Board an Annual Accomplishments Report that provides a synopsis of the Committee's discussions regarding specific topics and subsequent policy recommendations, comments, and requests that resulted from those discussions.

In carrying out these duties, the Board's Committees bring to the District their respective expertise and the interests of the communities they represent. In addition, Board Committee members may bring information regarding District activities to the communities they represent.