

February 15, 2023

**MEETING NOTICE**  
**SANTA CLARA VALLEY WATER DISTRICT**  
**RECYCLED WATER COMMITTEE**

**Members of the Recycled Water Committee:**

District 6 Director, Tony Estremera, Committee Chair  
District 3 Director, Richard Santos, Committee Vice Chair  
District 4 Director, Jim Beall, Member

**Staff Support of the Recycled Water Committee:**

Rick Callender, Chief Executive Officer  
Melanie Richardson, Assistant Chief Executive Officer  
Darin Taylor, Chief Financial Officer  
Aaron Baker, Chief Operating Officer, Water Utility  
Rachael Gibson, Chief of External Affairs  
Tina Yoke, Chief Operating officer  
Carlos Orellana, District Counsel  
Anthony Fulcher, Sr. Assistant District Counsel  
Leslie Orta, Sr. Assistant District Counsel  
Vincent Gin, Deputy Operating Officer, Water Supply Division  
Donald Rocha, Deputy Administrative Officer, Office of the Chief of External Affairs  
Bhavani Yerrapotu, Deputy Operating Officer, Watersheds Design and Construction Division  
Emmanuel Aryee, Deputy Operating Officer, Water Utility Capital Division  
Sam Bogale, Deputy Operating Officer, Treated Water Division  
Tony Ndah, Deputy Administrative Officer, General Services Division  
Lisa Bankosh, Assistant Officer, Watershed Stewardship and Planning Division  
Kirsten Struve, Assistant Officer, Water Supply Division  
Charlene Sun, Treasury and Debt Manager  
Hossein Ashktorab, Unit Manager, Recycled & Purified Water Unit  
Carmen Narayanan, Financial Planning & Revenue Manager  
Metra Richert, Unit Manager, Water Supply Planning and Conservation Unit  
Lei Hong, Utility Ops & Maintenance Manager  
Sherilyn Tran, Civic Engagement Manager  
Medi Sinaki, Sr. Engineer-Water Quality  
Girle Jacobson, Sr. Engineer-Treatment Plant Design  
Samantha Greene, Senior Water Resources Specialist  
Henry Barrientos, Associate Civil Engineer  
David Tucker, Associate Civil Engineer  
Zachary Helsley, Associate Civil Engineer  
Elise Latedjou-Durand, Senior Environmental Planner  
Ricardo Barajas, Program Administrator  
Lakeisha Bryant, Public Info Rep II

A Santa Clara Valley Water District regular Recycled Water Committee meeting has been scheduled to occur at 12:00 p.m. on Wednesday, February 22, 2023, in the Headquarters Building Boardroom located at the Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose, California.

Members of the public may join the meeting via Zoom Teleconference at:

<https://valleywater.zoom.us/j/99518153521>

The meeting agenda and corresponding materials are located on our website:

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

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## **Santa Clara Valley Water District Recycled Water Committee Meeting**

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

Join Zoom Meeting:  
<https://valleywater.zoom.us/j/99518153521>

### **REGULAR MEETING AGENDA**

**Wednesday, February 22, 2023  
12:00 PM**

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

#### **RECYCLED WATER COMMITTEE**

Tony Estremera - District 6, Chair  
Richard Santos - District 3, Vice Chair  
Jim Beall - District 4, Member

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.

KIRSTEN STRUVE  
Committee Liaison

EVA SANS  
Assistant Deputy Clerk II  
Office/Clerk of the Board  
(408) 265-2306  
[esans@valleywater.org](mailto:esans@valleywater.org)

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

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**Santa Clara Valley Water District  
Recycled Water Committee  
REGULAR MEETING  
AGENDA**

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Wednesday, February 22, 2023

12:00 PM

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

Join Zoom Meeting:  
<https://valleywater.zoom.us/j/99518153521>

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\*\*\*IMPORTANT NOTICES AND PARTICIPATION INSTRUCTIONS\*\*\*

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

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

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

- Members of the Public may test their connection to Zoom Meetings at: <https://zoom.us/test>
- Members of the Public are encouraged to review our overview on joining Valley Water Board Meetings at: <https://www.youtube.com/watch?v=ToJpYCxXm0>

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

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has

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

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

**Join Zoom Meeting:**

**<https://valleywater.zoom.us/j/99518153521>**

**Meeting ID: 995 1815 3521**

**Join by Phone:**

**1 (669) 900-9128, 99518153521#**

**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 three 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. ELECTION OF OFFICERS**

- 3.1. Election of 2023 Recycled Water Committee Chairperson and Vice Chairperson. [23-0195](#)
- Recommendation: Nominate and elect the 2023 Recycled Water Committee Chairperson and Vice Chairperson.
- Manager: Candice Kwok-Smith, 408-630-3193
- Est. Staff Time: 5 Minutes

#### **4. APPROVAL OF MINUTES:**

- 4.1. Approval of December 16, 2022 Recycled Water Committee Minutes. [23-0014](#)
- Recommendation: Approve the minutes.
- Manager: Candice Kwok-Smith, 408-630-3193
- Attachments: [Attachment 1: 121622 RWC Minutes](#)
- Est. Staff Time: 5 Minutes

#### **5. REGULAR AGENDA:**

- 5.1. Receive Update on Purified Water Program including Partnership with Cities of San Jose and Palo Alto. [23-0015](#)
- Recommendation: Receive updates and provide feedback on the following topics:
- A. Collaboration with the City of Palo Alto and other Partners;
  - B. Los Gatos Recharge System Tracer Test; and
  - C. Outreach Efforts on Purified Water.
- Manager: Kirsten Struve, 408-630-3138
- Est. Staff Time: 10 Minutes
- 5.2. Receive Update on the Refinery Recycled Water Exchange Feasibility Study with the Central Contra Costa Sanitary District and the Contra Costa Water District. [23-0016](#)
- Recommendation: Receive updates and provide feedback on the Refinery Recycled Water Exchange Feasibility Study with the Central Contra Costa Sanitary District and the Contra Costa Water District.
- Manager: Kirsten Struve, 408-630-3138
- Attachments: [Attachment 1: PowerPoint](#)
- Est. Staff Time: 10 Minutes

- 5.3. Receive Update on Collaboration for the Expansion of Recycled Water Related to the San José-Santa Clara Regional Wastewater Facility. [23-0134](#)

Recommendation: Receive updates and provide feedback on efforts to build a strong collaborative relationship with the San José-Santa Clara Regional Wastewater Facility stakeholders including expansion of the Silicon Valley Advanced Water Purification Center.

Manager: Kirsten Struve, 408-630-3138

Attachments: [Attachment 1: Letter of Intent](#)

Est. Staff Time: 10 Minutes

- 5.4. Review and Authorize the Chair to Present the 2022 Recycled Water Committee Accomplishments Report to the Board and Discuss the 2023 Recycled Water Committee Work Plan and Meeting Schedule. [23-0018](#)

Recommendation: A. Review and Authorize the Chair to present the 2022 Recycled Water Committee Accomplishments to the Board (Attachment 3);  
B. Consider and accept the proposed 2023 Work Plan (Attachment 2); and  
C. Confirm the next meeting date on March 22, 2023.

Manager: Candice Kwok-Smith 408-630-3193

Attachments: [Attachment 1: 2022 RWC Work Plan](#)  
[Attachment 2: 2023 RWC Work Plan \(Proposed\)](#)  
[Attachment 3: 2022 RWC Accomplishments Report](#)  
[Attachment 4: 2023 RWC Meeting Schedule](#)

Est. Staff Time: 5 Minutes

## 6. **ADJOURN:**

- 6.1. Adjourn to Regular Meeting at 12:00 p.m. on March 22, 2023.





# Santa Clara Valley Water District

**File No.:** 23-0195

**Agenda Date:** 2/22/2023

**Item No.:** 3.1.

## COMMITTEE AGENDA MEMORANDUM Recycled Water Committee

Government Code § 84308 Applies: Yes ☐ No ☒  
(If "YES" Complete Attachment A - Gov. Code § 84308)

### SUBJECT:

Election of 2023 Recycled Water Committee Chairperson and Vice Chairperson.

### RECOMMENDATION:

Nominate and elect the 2023 Recycled Water Committee Chairperson and Vice Chairperson.

### SUMMARY:

The Recycled Water Committee was enacted by the Board of Directors for the purpose of developing a long term proposal for how Valley Water can work with other local agencies on recycled water opportunities, and to establish a collaborative process to facilitate policy discussion and sharing of technical information on recycled water issues.

The Committee consists of three members, who represent the District on all the Joint Recycled Water Committees. The Committee was created to serve a limited or single purpose, not perpetual, and will be disbanded once their specific task is completed.

Officers of the Committee include the Committee Chairperson and Vice Chairperson, who serve as the Committee's primary and secondary facilitators and representatives. The Committee Chairperson and Vice Chairperson are elected by the Committee annually.

The following is a summary of Recycled Water Committee Chairperson and Vice Chairperson terms, since the Committee's 2016 enactment by the Board of Directors.

	Chairperson	Vice Chairperson
<b>2016</b>	T. Estremera	G. Kremen
<b>2017</b>	T. Estremera	B. Keegan
<b>2018</b>	T. Estremera	B. Keegan
<b>2019</b>	T. Estremera	B. Keegan

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<b>2020</b>	T.Estremera	B.Keegan
<b>2021</b>	T. Estremera	G. Kremen
<b>2022</b>	T. Estremera	R. Santos

**ATTACHMENTS:**

None.

**UNCLASSIFIED MANAGER:**

Candice Kwok-Smith, 408-630-3193



# Santa Clara Valley Water District

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**File No.:** 23-0014

**Agenda Date:** 2/22/2023

**Item No.:** 4.1.

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## **COMMITTEE AGENDA MEMORANDUM Recycled Water Committee**

Government Code Section 84308 Applies: Yes ☐ No ☒  
(If "YES" Complete Attachment A)

### **SUBJECT:**

Approval of December 16, 2022 Recycled Water Committee Minutes.

### **RECOMMENDATION:**

Approve the minutes.

### **SUMMARY:**

In accordance with the Ralph M. Brown Act, 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 to the Committee for review and approval.

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

### **ATTACHMENTS:**

Attachment 1: 121622 RWC Minutes

### **UNCLASSIFIED MANAGER:**

Candice Kwok-Smith, 408-630-3193

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**RECYCLED WATER COMMITTEE MEETING**

# MINUTES

**FRIDAY, DECEMBER 16, 2022  
12:00 PM**

(Paragraph numbers coincide with agenda item numbers)

**1. ROLL CALL.**

A special meeting of the Santa Clara Valley Water District (Valley Water) Recycled Water Committee (Committee) was called to order at 12:00 p.m., on December 16, 2022, at the Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, CA 95118 and via Zoom teleconference.

**1.1. Roll Call**

Committee members in attendance were District 2 Director Barbara Keegan, District 3 Director Richard Santos, and District 6 Director Tony Estremera, Chairperson presiding, constituting a quorum of the Committee.

Staff participating were Gina Adriano, Hossein Ashktorab, Aaron Baker, Salam Baqleh, Anthony Fulcher, Vince Gin, Girlie Jacobson, Elise Latedjou-Durand, Emelia Llamas, Tony Ndah, Carlos Orellana, Leslie Orta, Melanie Richardson, Don Rocha, Kirsten Struve, Sherilyn Tran, Dave Tucker, Tina Yoke, and Beckie Zisser.

Guests in attendance were John Antonnen, Senator John Beall, Ryan Castillo, Phillip Daniel, Jan Davel, Hon. Rebecca Eisenberg, Dr. Arthur Keller, Ph. D., Mark Millan, Jessica Polsky-Sanchez, and Sanjay Reddy.

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

Chairperson Estremera declared time open for public comment on any item not on the agenda.

Dr. Keller informed the Committee that the recycled water program of the City of Scottsdale, Arizona could treat water at 20 MGD/day.

**3. APPROVAL OF MINUTES:**

**3.1. Approval of Minutes.**

Recommendation: Approve the minutes of the September 28, 2022.

It was moved by Director Santos, seconded by Director Keegan to approve the minutes of September 28, 2022, as presented.

#### **4. ACTION ITEMS:**

##### **4.1. Update on Purified Water Program including Partnership with Cities of San Jose and Palo Alto.**

Recommendation: Receive updates and provide feedback on the following topics:  
A. Collaboration with the City of Palo Alto and Other Partners;  
B. Public Private Partnership (P3) Procurement of the Purified Water Project

Kirsten Struve, Assistant Officer, reviewed the information on this item, per the attached Committee agenda memo.

The Committee received information on the following without taking formal action.

- With City of Palo Alto, staff continued to collaborate on agreements to implement the purified water project. In addition, both agencies met with SF Regional Water Quality Control Board to address the hazardous materials issue at the Los Alto Treatment site and the plans on the reverse osmosis concentrate management.
- With City of San Jose, a Letter of Intent on the recent inter-agency discussions that occurred was being developed and would be presented to the Committee in the coming months.
- With regard to the Division of Drinking Water, a tracer study had started to confirm the speed of groundwater flow for upcoming zoning on well construction.
- With regard to the draft EIR, the draft was being reviewed by both cities of Palo Alto and San Jose.
- With regard to Public Private Partnership, the increase in Class 5 engineering cost estimate was reported to the Capital Improvement Committee.
- With regard to grants and loans, staff met with the Bureau of Reclamation and discussed the large-scale water recycling project funding opportunity while a feasibility study to support this effort was being developed. Beckie Zisser, Senior Management Analyst, added that the large-scale water recycling project funding is a brand-new US Bureau of Reclamation program created under the bi-partisan infrastructure law with a total of \$450M available for projects that have at least \$500M in cost and that Valley Water has one of the few projects that would qualify.

The Committee reminded staff to develop and forged working relationships with the newly elected city officials. Valley Water's efforts to reduce reliance on imported water to ensure water supply for agriculture and the public as well as beneficial uses to fish and aquatics should be included during briefings and presentations.

Kirsten Struve responded to Dr. Keller's inquiry on the release of the draft Environmental Impact Report to the public that target date would be first quarter next year and that currently the report

had been submitted to the Cities of Palo Alto and San Jose to seek their inputs as stakeholders to the report.

#### **4.2. Update on Purified Water Outreach and Annual Public Perception Survey Poll.**

Recommendation: Receive an update and provide feedback on public outreach efforts for the Purified Water Program and survey results from a tracking poll carried out by EMC Research.

Don Rocha, Deputy Administrative Officer, reviewed the information on this item, per the attached Committee Agenda memo, and the corresponding presentation materials contained in Attachments 1 and 2 were reviewed by staff as follows: Don Rocha reviewed Attachment 1, and Jessica Polsky-Sanchez, EMC Research Principal, reviewed Attachment 2.

During the presentation of Slide 8, Attachment 1, Sherilyn Tran, Civic Engagement Manager, distributed to the Committee printed draft bottled water label which was published after the meeting and attached here as Handout 4.2-A.

The Committee received and requested the following without taking formal action:

- In response to Committee's request to consider the use of multiple languages understandable to different groups, the consultant mentioned that the poll was available to be conducted in multiple languages, if needed. Additionally, demographic data was collected to determine how compelling messages were among the different demographic subgroups.
- On Slide 20, Attachment 2, consultant explained that the 15% Strong Opposition under the Initial phase which increased to 17% Strong Opposition under the After-information phase could be due to respondents under the Don't-Know phase that initially had no knowledge of advanced purified water and after hearing the definition had decided to either strongly oppose or support it.
- Staff would consider organizing townhall meetings similar to what cities had been doing for their constituents.

#### **4.3 Discuss the 2022 Recycled Water Committee Work Plan, Upcoming Discussion Items, and 2023 Meeting Dates.**

Recommendation: Receive information on the 2022 Recycled Water Committee work plan and provide feedback on upcoming discussion items and next meeting date.

The Committee announced and requested the following information without taking formal action:

- Chairperson Estremera announced that he would mention to the full Board about agendizing urban runoff study and desalination at an upcoming Board meeting. Staff informed the Committee that the timing of the said urban runoff study for the full Board had to be in March 2023 and requested that the January 2023 meeting be cancelled to resume in February 2023 when staff would have enough updates to report to this Committee.

- Chairperson Estremera mentioned that the Special Issue on Water and Health, Volume 29, Second Quarter 2022 issue of The Bulletin, the official magazine of the Santa Clara County Medical Association, must be publicized or some articles from the journal be reprinted.

Dr. Keller informed the Committee that there was a public concern in north county on what effect would advance purified water do on their water that currently tastes good. However, after sampling the water at a Silicon Valley Advance Water Purification Center group tour, Dr. Keller confirmed that the taste of purified water was as good as bottled water or as good as Hetch Hetchy water.

**5. ADJOURN.**

Chairperson Estremera adjourned the meeting at 1:00 p.m., to the next meeting scheduled to occur on February 22, 2023 at 12:00 p.m. Subsequently, the January 25, 2023 meeting was cancelled as approved by the Committee chair.

Eva M. Sans  
Assistant Deputy Clerk II

Approved:



## PURIFIED WATER BOTTLE LABEL

Please review the design options for the Purified Water Bottle (8oz) label.  
The sticker label will be a graphic printed over a clear label to show as much of the clarity and purity of the water through the label.

### Specifications

**SIZE** 2" x 7.375"

**MATERIAL** sticker label over plastic bottle

### PROPOSED DESIGN

**CA CASH REFUND**  
**PLEASE RECYCLE**

Distributed by Silicon Valley Advanced Water Purification Center  
4190 Zanker Road, San Jose, CA 95134  
(408) 630-3533

This bottle is made from up to 50% recycled plastic

This sample of purified water was produced at the Silicon Valley Advance Water Purification Center, the largest purification facility of its kind in Northern California. The purification center purifies treated wastewater using three proven advanced treatment technologies: Microfiltration, Reverse Osmosis and UV Disinfection with Advanced Oxidation.

The result: Pure water that is refreshing, reliable and drought-resistant.

# purified water

*For a sustainable future.*

**SAMPLE WATER–NOT FOR SALE** 8 FL OZ. (237 ML)

*Advanced purified water sourced from treated wastewater.*



**siliconvalley**  
ADVANCED WATER PURIFICATION CENTER

[purewater4u.org](http://purewater4u.org)

Mockup for reference of sticker label only. Actual bottle type may be different.





# Santa Clara Valley Water District

File No.: 23-0015

Agenda Date: 2/22/2023

Item No.: 5.1.

## COMMITTEE AGENDA MEMORANDUM Recycled Water Committee

Government Code Section 84308 Applies: Yes ☐ No ☒  
(If "YES" Complete Attachment A)

### SUBJECT:

Receive Update on Purified Water Program including Partnership with Cities of San Jose and Palo Alto.

### RECOMMENDATION:

Receive updates and provide feedback on the following topics:

- A. Collaboration with the City of Palo Alto and other Partners;
- B. Los Gatos Recharge System Tracer Test; and
- C. Outreach Efforts on Purified Water.

### SUMMARY:

#### A. Collaboration with the City of Palo Alto and Other Partners

Valley Water continues to meet with Palo Alto staff to finalize agreements for the future purification facility in Palo Alto. On December 19, 2022, the Palo Alto City Council approved an agreement to provide consultant support services to their staff for the capital program at the Palo Alto wastewater facility with a task included to support Palo Alto's collaboration with Valley Water's Purified Water Program (PWP). Palo Alto is currently reviewing the draft Funding Agreement between the two agencies, and Valley Water submitted a request through Palo Alto's Online Permit Services to start the review process for the administrative draft Environmental Impact Report.

Valley Water is also working with Palo Alto and the San Francisco Bay Regional Water Quality Control Board (RWB) to finalize several studies related to the PWP and discharge of Reverse Osmosis Concentrate in Palo Alto. Valley Water and Palo Alto met with the RWB on January 22, 2023. In addition, Valley Water staff met with the Division of Drinking Water on January 26, 2023 to discuss permitting of the future Advanced Water Purification Facility and updates to the groundwater tracer test currently underway.

Collaboration with cities and entities along the pipeline route have continued.

**B. Los Gatos Recharge System Tracer Test**

In December 2022, Valley Water began a tracer study in the Los Gatos Recharge System to confirm the speed of groundwater flow and help size the zones of controlled drinking water well construction required by state regulations for this project. The tracer study focuses on Valley Water's Budd Recharge Ponds in the City of Campbell, which are closest to the nearest drinking water wells.

The San Francisco Bay Regional Water Quality Board approved the use of fluorescein dye as a tracer and Valley Water notified nearby residents, elected officials, and water retailer prior to adding the dye to the northernmost Budd Pond on December 5th. Valley Water is sampling several monitoring wells at John D. Morgan Park to look for the tracer signal and estimates the underground travel time is less than two months. Water from the ponds is estimated to take two years to reach Valley Water's Campbell Well Field (emergency backup) and over ten years to reach the nearest water retailer wells. Due to dilution and mixing with ambient groundwater, Valley Water does not anticipate any visible dye in water supply wells. Once the tracer study is complete, Valley Water will share the results with the Committee, regulatory agencies, and water retailers. Additional tracer studies will likely be needed in the future to comply with state requirements.

**C. Outreach Efforts on Purified Water**

Staff continues to conduct public and private tours at the Purification Center. Public in-person tours are held on the first Friday and second Saturday of every month and virtual public tours are held every other month in partnership with San José Public Library. All in person public tours to date have been at capacity and staff continues to receive numerous requests for private tours from schools, community organizations, and other public agencies. Since December staff have conducted private tours for the City of Saratoga's Administrative Department, Nature's Bloomers, Jewish Youth Climate Action Group, Leadership Mountain View and City of San José Councilmembers Peter Ortiz and Omar Torres.

**ATTACHMENTS:**

None.

**UNCLASSIFIED MANAGER:**

Kirsten Struve, 408-630-3138



# Santa Clara Valley Water District

**File No.:** 23-0016

**Agenda Date:** 2/22/2023

**Item No.:** 5.2.

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## COMMITTEE AGENDA MEMORANDUM Recycled Water Committee

Government Code Section 84308 Applies: Yes ☐ No ☒  
(If "YES" Complete Attachment A)

### SUBJECT:

Receive Update on the Refinery Recycled Water Exchange Feasibility Study with the Central Contra Costa Sanitary District and the Contra Costa Water District.

### RECOMMENDATION:

Receive updates and provide feedback on the Refinery Recycled Water Exchange Feasibility Study with the Central Contra Costa Sanitary District and the Contra Costa Water District.

### SUMMARY:

In April 2018, the Santa Clara Valley Water District (Valley Water) entered into a Memorandum of Understanding (MOU) with Central Contra Costa Sanitary District (Central San) and Contra Costa Water District (CCWD) to explore a regional water exchange project referred to as the Refinery Recycled Water Exchange Project (RRWE). RRWE involves Central San partnering with Valley Water to design, build and operate a recycled water facility to provide recycled water to CCWD to serve to their two existing oil refinery customers. In exchange for CCWD receiving the recycled water, CCWD would provide Valley Water Central Valley Project (CVP) contract supply that would have otherwise gone to those refineries.

Valley Water continues to work with Central San and CCWD on the evaluation of the RRWE. A preliminary feasibility assessment looked at what type of water recycling approaches could work, cost of the facility and water conveyance, and feasibility related to the water exchange with CCWD. The study found that Central San could expand its water recycling program to supply water to the oil refineries. Current refinery demand that the project would meet is approximately 14.6 thousand acre-feet per year. However, CVP water transfer rules may reduce the amount of project water CCWD could provide to Valley Water; modeling indicates that project yield to Valley Water would be approximately 50% of the volume of water delivered to the refineries. Further analysis would need to be completed to determine how much of the project yield to Valley Water could be successfully moved through the South Bay Aqueduct and put to beneficial use within Valley Water's service area.

Valley Water and Central San completed a cost allocation analysis in 2021 and determined project

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costs for building the facility and purifying the wastewater (hereto referred to as facility costs) would be split 50-50 between Valley Water and Central San based on the beneficiary pays principal. Central San's benefit is the improved nutrient removal that is expected to be a regulatory requirement in the future while Valley Water's benefit is the new water supply. The Recycled Water Committee (RWC) received an update about the project in July 2021. Since then, Central San further refined the cost allocation and updated the share to 63% of facility costs to Central San and 37% to Valley Water. Costs to convey the exchanged CVP supplies from CCWD to Valley Water would be fully allocated to Valley Water.

The Central San Board of Directors has not yet approved the project to move beyond the feasibility stage and Central San staff continue to meet with potential project partners. Most recently, Central San entered into an MOU with East Bay Municipal Utility District (EBMUD) to look at ways EBMUD could partner on the facility. They are looking at six alternatives for delivering the recycled water to EBMUD's service area, including five alternatives that do not rely on an exchange with CCWD.

Key project risks for Valley Water include the loss of oil refinery water demands, ability to receive CCWD's CVP transfer supplies during droughts when there are water right curtailments, and capacity limitations for wet year supplies. Next steps include working with the US Bureau of Reclamation (USBR) on reliability questions and issues related to drought year water transfers and refining how Transfer Bethany Pipeline (part of the proposed Los Vaqueros Reservoir Expansion project) can be used to convey RRWE project water. Central San continues to work with the refineries to secure their approval for changing from CVP supply to the recycled water supply and to determine if any of their existing on-site water treatment facilities could be beneficial to the RRWE project. As this project moves forward, technical studies related to water quality and treatment plant design will be completed.

**ATTACHMENTS:**

Attachment 1: PowerPoint

**UNCLASSIFIED MANAGER:**

Kirsten Struve, 408-630-3138



# Valley Water

Clean Water • Healthy Environment • Flood Protection

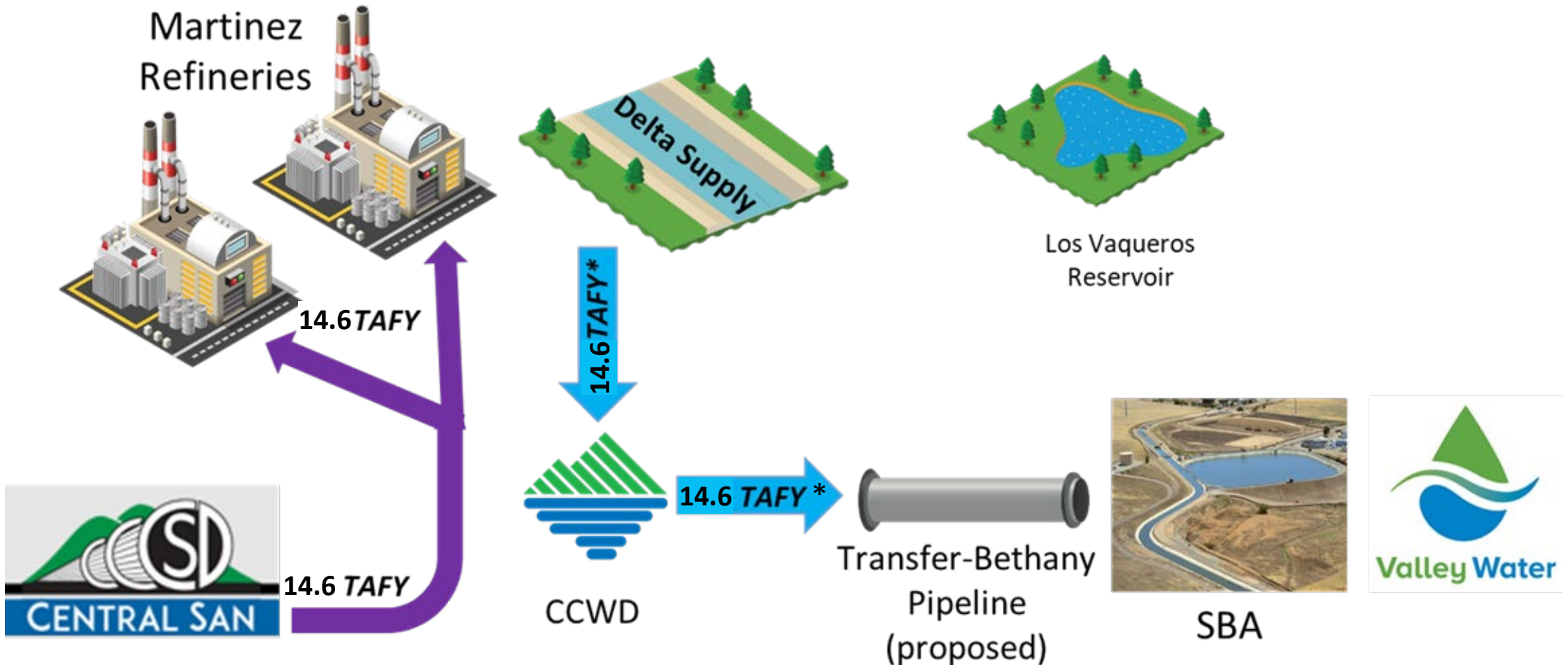
## Refinery Recycled Water Exchange Project

Samantha Greene, Ph.D., Water Supply Planning and Conservation Unit  
Recycled Water Committee Meeting  
February 22, 2023



# Proposed RRWE Project Concept

2





# Partner Agreements and Discussions

## Central San with Valley Water:

- April 2018: MOU was executed with Central San and CCWD for a Preliminary Feasibility Evaluation; expired June 30, 2022
- February 2021: Cost share agreement for Cost Allocation Study

## Central San with Others:

- 2022: EBMUD (MOU through June 30, 2024)

# VW Partnership Work Plan

- Evaluate project yield to Valley Water
- Develop estimated project costs
- Allocate potential project costs
- Joint presentation to Recycled Water Committee summer 2022

# Project Yield Evaluation

- Potential project yield = amount of water available to Valley Water through an exchange with CCWD
  - Recycled water plant will produce more water than Valley Water are able to receive via a CVP transfer due to Delta conditions
- Evaluation does not account for facility maintenance down time
- 7-8 TAF potential average annual yield; 14.6 TAF maximum

# Cost Estimates

- Beneficiary pays
- Includes:
  - recycled water production, distribution
  - CVP water conveyance to Valley Water
- Central San proposed investing cost of future nutrient removal upgrades in this project (~\$200M)

Line Item Description		Low Range Estimated Costs (\$/AF)	High Range Estimated Costs (\$/AF)
Treatment Costs	Central San Commodity Charge (negotiable)	\$0	\$50
	Recycled Water Treatment and Conveyance - Alternative 1, 100-year PV and 30-year PV	\$1,700	\$2,200
	Recycled Water Cost Subtotal	\$1,700	\$2,250
	Central San Cost Allocation	\$1,000	\$1,300
	Net Recycled Water Cost with Central San Cost Allocation	\$700	\$950
	Transferable Recycled Water Cost <i>Assumes 50% Yield to Valley Water</i>	\$1,400	\$1,900
Conveyance Costs	USBR CVP Cost of Service for exchange	\$41	\$41
	CCWD Conveyance	\$110	\$110
	CCWD Storage	\$0	\$0
	SBA Conveyance	\$40	\$40
	Transfer Bethany Pipeline Conveyance	TBD	TBD
	CCWD Avoided Costs (PRELIMINARY)	(\$101)	(\$101)
	Net Water Conveyance Cost Subtotal	\$90	\$90
Preliminary Net Water Cost Estimated Range		\$1,490	\$1,990

# Project Risks

- Decreased allocations during severe droughts
- Oil refinery demand
- Competition for the use of LVE facilities
- Valley Water's physical and operational constraints

# Next Steps

- Meet with USBR:
  - Dry year transfer reliability
  - Health and Safety allocation implications
  - CCWD CVP contract implications
  - Point of Diversion
- Transfer Bethany conveyance evaluation
- Refinery coordination
- Recycled water technical studies



# Santa Clara Valley Water District

**File No.:** 23-0134

**Agenda Date:** 2/22/2023

**Item No.:** 5.3.

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## COMMITTEE AGENDA MEMORANDUM Recycled Water Committee

Government Code § 84308 Applies: Yes ☐ No ☒  
(If "YES" Complete Attachment A - Gov. Code § 84308)

### SUBJECT:

Receive Update on Collaboration for the Expansion of Recycled Water Related to the San José-Santa Clara Regional Wastewater Facility.

### RECOMMENDATION:

Receive updates and provide feedback on efforts to build a strong collaborative relationship with the San José-Santa Clara Regional Wastewater Facility stakeholders including expansion of the Silicon Valley Advanced Water Purification Center.

### SUMMARY:

The City of San José is the administering agency for the San José-Santa Clara Regional Wastewater Facility (RWF), a joint powers agency of the State of California, and manages and operates the South Bay Water Recycling System (SBWR) which delivers 13,000-acre feet of water per year of recycled water to customers in San José, Santa Clara, and Milpitas.

Valley Water and the City of San José (City) have a multi-decade history of successfully collaborating on the development of and promoting the use of recycled water, including but not limited to:

- 1950's collaboration and pilot to produce recycled water for orchard irrigation
- In 1998, a reimbursement agreement that provided for payment by Valley Water to the City for water produced and distributed by SBWR
- In 2000, shared participation in a multi-stakeholder process to develop a long-term master plan for the SBWR program
- In 2002, entered into a cooperation agreement (aka Silver Creek Pipeline Agreement) discussing long-term ownership, operation and maintenance, promoting water supply, additional infrastructure and protecting the groundwater basin.
- In 2003, collaboration on the design, construction, and operation of an advanced water treatment facility (AWTF) that would be located on RWF lands.
- In 2010, signed a 40-year Integration Agreement to jointly build a new AWTF to increase the use of recycled water in Santa Clara County. The purification facility cost \$72 million to

construct (state and federal grant funding (about \$14 million), San José (\$11 million) plus land and remainder from Valley Water). The Silicon Valley Advanced Water Purification Center (SVAWPC) opened in 2014 and a Joint Policy Advisory Committee was formed.

- In 2012, completed SVAWPC Ground Lease Agreements and Operations & Maintenance Agreements
- The 2014, partnered on the SBWR Strategic and Master Plan Report which culminated a multi-year assessment of the feasibility of recycled water as a reliable, sustainable water supply for northern Santa Clara County.

On September 1, 2021, the San José City Council directed the City Manager to prioritize the pursuit of expanded recycled water use with Valley Water to increase local, drought-resilient supply and reduce reliance on imported water. As a result, the City and Valley Water entered into a Master Services Agreement to support negotiations and reimbursement of City staff costs to develop an agreement promoting increased potable reuse and recycled water from the RWF. Through collaborative efforts, the negotiation team procured the services of a facilitator, and began negotiations to meet future water needs by developing and expanding programs and partnerships for water reuse, including both recycled water and potable reuse. During the facilitator-lead process, staff from both the City and Valley Water have presented interests and discussed opportunities to enhance collaboration and key partnerships.

The outcome of these discussions is the attached Letter of Intent (Attachment 1) with the Cities of San José and Santa Clara. The letter of intent includes a description of mutual goals, the steps and process to develop a collaborative agreement, and a timeline. The intent is to maintain the leadership and partnership between the Cities and Valley Water to develop a locally controlled, drought proof water supply for a climate uncertain future.

**ATTACHMENTS:**

Attachment 1: Letter of Intent

**UNCLASSIFIED MANAGER:**

Kirsten Struve, 408-630-3138



**LETTER OF INTENT  
FOR COLLABORATING ON THE  
EXPANSION OF PURIFIED WATER IN SANTA CLARA COUNTY**

THIS LETTER OF INTENT ("LOI") is made and entered into as of the date it is fully executed ("Effective Date") by and between the Santa Clara Valley Water District, an independent special district of the State of California ("Valley Water"), and the City of San José, a municipal corporation ("San José"), and the City of Santa Clara, a municipal corporation ("Santa Clara"). San José, Santa Clara, and Valley Water shall sometimes hereinafter be referred to individually as "Party" and collectively as the "Parties." Additionally, San José and Santa Clara may sometimes hereinafter be referred to collectively as the "Cities."

**RECITALS**

- A. San José is the administering agency for the San Jose/Santa Clara Water Pollution Control Plant that is currently known as the San Jose-Santa Clara Regional Wastewater Facility ("RWF"), jointly owned by San José and Santa Clara.
- B. On March 2, 2010, San José and Valley Water entered into the Ground Lease ("Ground Lease") and Property Use Agreement for Advanced Water Treatment Facility to provide for Valley Water to construct and operate its advanced water treatment facility and related facilities on a portion of the RWF premises; and Recycled Water Facilities and Programs Integration Agreement to financially support the production and use of recycled water in Santa Clara County consistent with each San José and Valley Waters' separate and distinct interests: for wastewater treatment and disposal for San José, and water quality and supply for Valley Water, as well as to coordinate and cooperate in meeting each other's needs.
- C. On October 23, 2012, San José and Valley Water entered into an Agreement for Operation and Maintenance of the Silicon Valley Advanced Water Purification Center ("O&M Agreement").
- D. The Ground Lease and O&M Agreements authorize Valley Water to operate and maintain the Silicon Valley Advanced Water Purification Center ("SVAWPC"), to provide highly purified water to blend with the RWF's existing tertiary treated water output to produce higher quality non-potable recycled water to be distributed by the South Bay Water Recycling Program, subject to the requirements of both agreements.
- E. Valley Water desires to develop a process and facilities to purify treated wastewater for potable uses, including (1) using purified water to replenish groundwater basins, an outcome commonly referred to as Indirect Potable Reuse (IPR), and/or (2) delivering the purified water directly to Valley Water's raw water sources and subsequently to surface water treatment plants for additional treatment and delivery to potable water consumers [aka Direct Potable Reuse (DPR)], collectively (New Project).
- F. On January 27, 2022, Valley Water and San José executed the Master Agreement

Relating to Valley Water's Payment for San José's Support Services to Valley Water's Purified Water Program ("Master Agreement"), which expresses the desire of Valley Water and San José to negotiate in good faith to reach an agreement on a New Project(s) to purify treated wastewater.

- G. On August 1, 2022, Valley Water and San José executed a First Amendment to the Master Agreement which extended the term of the Master Agreement and revised Valley Water's funding obligations therein.
  - H. Valley Water, San José, and Santa Clara now desire to execute this LOI to reflect the Parties' intent to negotiate in good faith, in accordance with the Master Agreement, a collaborative agreement ("Collaborative Agreement") for the development of joint water reuse project(s) that expands upon the San José, Santa Clara, and Valley Water's existing collaborative efforts related to the SVAWPC for the purpose of improving water supply reliability in the County of Santa Clara ("County") in the face of the impacts of climate change.
1. **Recitals.** The above recitals are incorporated herein and made a part of this LOI.
  2. **Definitions.** The following terms, when utilized in this LOI shall have the following definitions:
    - a. **Recycled water:** or sometimes called "purple pipe" due the distinguishing color of infrastructure reserved for its conveyance and distribution, generally refers to treated domestic wastewater used for non-potable uses such as irrigation and industrial uses.
    - b. **Purified water:** is recycled water that has gone through additional advanced treatment such as microfiltration, reverse osmosis ("RO") and disinfection to meet and exceed state and federal drinking water standards.
  3. **Good Faith Negotiations of a Collaborative Agreement to Maximize the Use of Treated Wastewater to Best Serve the Water Supply Needs of the Community.** The Parties hereby agree to engage in good faith negotiations to develop a more sustainable, water-resilient future for the Cities and Valley Water via the Collaborative Agreement, which shall result in the significant increase of available treated wastewater from the San José-Santa Clara Regional Wastewater Facility ("RWF") that can be recycled and used for potable and non-potable purposes in a manner that serves the best interest in meeting the water supply needs of each Party's jurisdiction with minimal impact to the environment.
  4. **Picture of Success.** As the population of the County, which includes the jurisdictions of the Parties, continues to expand and as climate change makes an already variable California climate more vulnerable to long term drought, the future of San José, Santa Clara, and Valley Water depends on the significant and rapid expansion of recycling treated wastewater from the RWF for outdoor irrigation of functional landscape and the conversion of wastewater to purified water that can serve both potable and non-potable purposes. The RWF's South Bay Water Recycling Master Plan, the RWF Master Plan, and Valley Water's Countywide Water Reuse Master Plan form the basis of the portfolio of potential recycled water projects and the Collaborative Agreement. The Parties will employ their best efforts to enter into a Collaborative Agreement that positions the Cities

and Valley Water on a path to meeting or exceeding the essential, goals of each Party's respective plan(s).

5. **Mutual Goals.** The Parties share the following mutual goals, which the Parties seek to memorialize via the mutual execution of the Collaborative Agreement:
  - a. Improvement of water supply reliability in the County;
  - b. Meeting each Party's respective shared water supply needs;
  - c. Increase of the amount of treated wastewater available from the RWF for conversion into recycled water for potable and non-potable uses;
  - d. Support of water reuse projects with a capital expansion area adjacent to the location of the SVAWPC;
  - e. Support of the production and use of recycled water in the County consistent with the interests of each Party's respective rate payers;
  - f. Ensure that each Party plans and develops recycled water projects that are ready to take advantage of current and future state and federal funding opportunities;
  - g. Develop a prudent and fair way to manage any resulting RO concentrate such that it does not create undue financial burdens or regulatory liability on the Parties;
  - h. Develop water reuse projects in a way that protects groundwater quality;
  - i. Maximize demand management and water conservation, including for non-potable uses; and
  - j. Consider feedback from the Treatment Plant Advisory Committee that includes San José, Santa Clara, the City of Milpitas, the Cupertino Sanitary District, the West Valley Sanitation District, the Burbank Sanitary District, and the County Sanitation District 2-3.
  
6. **Collaborative Agreement.** The Parties agree to engage in good faith negotiations to develop the Collaborative Agreement containing a general scope of projects and/or capital improvements that would enable the realization of the picture of success described in Section 4 above, that encompasses the mutual goals set forth in Section 5 above, and that otherwise includes other considerations set forth herein this LOI. The Collaborative Agreement shall: (i) describe an approach to share costs for joint recycled water projects and capital improvements amongst the Parties; (ii) assign responsibility amongst the Parties to operate and maintain facilities; (iii) recommend to Party's respective governing bodies how the Parties can improve their current governance structure related to joint recycled water efforts; and (iv) set forth a fair process to resolve disputes and share liability. The proposed scope of the Collaborative Agreement that the Parties are currently contemplating is further elaborated upon below:
  - a. Define the project(s) to be pursued by the Parties:
    - i. Consider feasible recycled and purified water projects (e.g. targeted non-potable, indirect and direct potable), including any partnerships with third-parties;
    - ii. Determine each Party's water, treatment, real property, and infrastructure needs;
    - iii. Consider capacity and supply amount of current water sources;
    - iv. Describe capital and operational expansions of SVAWPC; and
    - v. Develop a schedule of implementation.



b. Develop terms in the Collaborative Agreement to address:

- i. Revisions to the Recycled Water Facilities and Programs Integration Agreement, effective March 2, 2010, Operation and Maintenance of the Silicon Valley Advanced Water Purification Center, and the Ground Lease and Property Use Agreement;
- ii. RO concentrate responsibilities and management;
- iii. Necessary approvals by applicable regulatory agencies;
- iv. The amounts of recycled and purified water to be developed for potable and non-potable uses;
- v. Compensation terms, cost sharing, liability allocation, collaboration on grant acquisitions, and other financing mechanisms;
- vi. Conceptual design of any project(s) pursued;
- vii. Real Property needs for the any project(s) pursued;
- viii. Design and construction delivery method;
- ix. Public outreach and educational programs;
- x. Collaboration on potable reuse regulatory advocacy;
- xi. CEQA/NEPA requirements; and
- xii. Other contractual, regulatory, and policy obligations of each Party, which may include but are not limited to, compliance with the requirements and limitations of San José's National Pollutant Discharge Elimination System Permit, Proposition 218, Proposition 26, and contractual obligations under the Master Agreements between San José, Santa Clara, and Tributary Agencies including the City of Milpitas, the Cupertino Sanitary District, the West Valley Sanitation District, the Burbank Sanitary District, and the County Sanitation District 2-3.

7. **Process.** By taking a win-win mutual gains approach, the Parties seek to creatively develop solutions that meet the Parties' respective interests and build a foundation of a trusted partnership necessary for the complicated long-term work of construction and operations of facilities that allow the Parties to realize the Parties' mutual goals set forth in Section 5 above. The Parties shall engage in honest and open dialogue with commitment to ensure each Party's respective negotiations team members explore the development of the Collaborative Agreement.
8. **Schedule and Term.** The term of the negotiations of the Collaborative Agreement shall extend to the earlier of the mutual execution of the Collaborative Agreement by the Parties or July 31, 2024 ("Term"). The Parties agree to achieve, in good faith, the following milestones no later than the dates indicted below:
  - a. On or before March 30, 2023, the Parties agree to develop a conceptual project definition to be mutually agreed upon by the Parties; and
  - b. On or before July 31, 2023, the Parties agree to mutually execute collaborative agreements.
9. **Non-Binding Terms.** Except as provided for in Section 10 of this LOI, all other terms and conditions of this LOI are non-binding.

10. **Binding Terms.** Notwithstanding any other provision herein this LOI, the Parties agree the following terms are binding:

- a. Good Faith Negotiations. In accordance with the terms of the Master Agreement, San José and Valley Water are obligated to engage in good faith negotiations of the Collaborative Agreement. As Santa Clara is not a party to the Master Agreement, it is under no such obligation. San José or Valley Water, so long as either San José or Valley Water, as the terminating Party, has engaged in good faith negotiations, may terminate the negotiations of the Collaborative Agreement prior to the expiration of the Term. Santa Clara may terminate its participation in the negotiations of the Collaborative Agreement at any time for any reason.
- b. Compensation. San José and Valley Water acknowledge the existence of the Master Agreement entered into by San José and Valley Water, on January 27, 2022, which sets forth the terms and conditions for Valley Water's payment obligations to the City for the City's support services related, directly or indirectly, to Valley Water's Purified Water Program and to the negotiation of the Collaborative Agreement, including the City's support related to LOI.

11. **Governing Law.** The Parties agree that California law governs this LOI. In the performance of this LOI, each Party will comply with all applicable laws, ordinances, codes and regulations of the federal, state, and applicable local government.

12. **Venue.** In the event that suit is brought by any Party to this LOI, the Parties agree that the venue will be exclusively vested in the state courts of the County of Santa Clara, or if federal jurisdiction is appropriate, exclusively in the United States District Court, Northern District of California, San Jose, California.

13. **Counterparts; Electronic Signature.** This LOI may be executed in any number of counterparts, each of which, when executed and delivered, will be deemed to be an original, and all of which, taken together, will be deemed to be one and the same instrument. Unless otherwise prohibited by law or policy of the Cities or Valley Water, the Parties agree that an electronic copy of a signed contract, or an electronically signed contract, has the same force and legal effect as a contract executed with an original ink signature. The term "electronic copy of a signed contract" refers to a writing as set forth in Evidence Code Section 1550. The term "electronically signed contract" means a contract that is executed by applying an electronic signature using technology approved by the Parties.

14. **Severability.** If a court of competent jurisdiction holds any binding provision of this LOI to be illegal, unenforceable, or invalid in whole or in part for any reason, the validity and enforceability of the remaining binding provisions, or portions of them, will not be affected, unless an essential purpose of this LOI would be defeated by the loss of the illegal, unenforceable, or invalid provision.

15. **Headings.** The section and exhibit headings are for convenience only and are not to be used in its construction.

WITNESS THE EXECUTION HEREOF on the day and year first written below.

CITY OF SAN JOSE

Dated: December 14, 2022

By:   
Email: sarah.zarate@sanj  
06/16/2022 GMT

Title: Director, City Manager's Office API

APPROVED AS TO FORM:

Matthew Tolnay, Deputy City Attorney

By:   
Email: matthew.tolnay@sanjose  
06/12/2022 GMT

CITY OF SANTA CLARA

Dated: 12/20/22 2022

By: 

Title: ASSISTANT CITY MANAGER

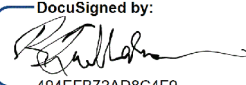
APPROVED AS TO FORM:



By: CITY OF SANTA CLARA  
OFFICE OF THE CITY ATTORNEY

SANTA CLARA VALLEY WATER DISTRICT

Dated: 1/31/2023, 2022

By:   
DocuSigned by:  
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Title: Rick L. Callender, Esq.  
CHIEF EXECUTIVE OFFICER

APPROVED AS TO FORM:

  
DocuSigned by:  
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By: Anthony Fulcher  
GENERAL COUNSEL



# Santa Clara Valley Water District

**File No.:** 23-0018

**Agenda Date:** 2/22/2023

**Item No.:** 5.4.

## **COMMITTEE AGENDA MEMORANDUM Recycled Water Committee**

Government Code Section 84308 Applies: Yes ☐ No ☒  
(If "YES" Complete Attachment A)

### **SUBJECT:**

Review and Authorize the Chair to Present the 2022 Recycled Water Committee Accomplishments Report to the Board and Discuss the 2023 Recycled Water Committee Work Plan and Meeting Schedule.

### **RECOMMENDATION:**

- A. Review and Authorize the Chair to present the 2022 Recycled Water Committee Accomplishments to the Board (Attachment 3);
- B. Consider and accept the proposed 2023 Work Plan (Attachment 2); and
- C. Confirm the next meeting date on March 22, 2023.

### **SUMMARY:**

The 2022 Work Plan (Attachment 1) continued to be populated by staff as follows:

- Items referred to the Committee by the Board;
- Items requested by the Committee to be brought back by staff;
- Items scheduled for presentation to the full Board of Directors; and
- Items identified by staff and approved by the Recycled Water Committee Chair.

For 2023, staff is seeking Committee approval of a Proposed Work Plan (Attachment 2) that aligns staff efforts with the FY 2022-23 Board Work Plan as well as meet this Committee's goal to establish a collaborative process with other local agencies to facilitate policy discussion and sharing of technical information on recycled water issues.

Staff is also seeking approval of the 2022 Accomplishment Report (Attachment 3) that summarizes committee discussions and actions to prepare Board alternatives and implications for Board deliberations throughout 2022. The Committee may provide feedback to the Committee Chair, at this time, to share with the Board as part of the Accomplishments Report presentation pertaining to the purpose, structure, and function of this Committee.

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The next regular meeting of this committee on March 22, 2023 (Attachment 4) at 12:00 p.m. is for the Chair's confirmation.

**ATTACHMENTS:**

- Attachment 1: 2022 RWC Work Plan
- Attachment 2: 2023 RWC Work Plan (Proposed)
- Attachment 3: 2022 RWC Accomplishments Report
- Attachment 4: 2023 RWC Meeting Schedule

**UNCLASSIFIED MANAGER:**

Candice Kwok-Smith 408-630-3193



# FINAL 2022 RECYCLED WATER COMMITTEE WORKPLAN

Task	Agenda Item	January	February	March	April	May	June	July	August	Sept. - Site Tour	September	October	November	December
Focus 1: Advance the Purified Water Program by releasing an RFP for at least one locally-sponsored project														
1.1	Update on Purified Water Program including Partnership with Cities of San Jose and Palo Alto.	X	X		X	X			X		X			X
1.2	Independent Advisory Panel.													
1.3	Update on Public Private Partnership [P3] Procurement.	X	X		X	X			X		X			X
1.4	Report on Letter of Intent Between Santa Clara Valley Water District and Cities of San Jose and Santa Clara on Recycled Water and Purified Water													X
Focus 2: Implement the CoRe Plan														
2.1	Implement the Countywide Water Reuse Master Plan (CoRe Plan)								X	SITE TOUR - ORO LOMA SANITARY DISTRICT				
2.2	Joint Mtg Prep/Debrief: TPAC		X											
2.3	Joint Mtg Prep/Debrief: Cities of Palo Alto/Mtn View.													
2.4	Joint Mtg Prep/Debrief: City of Sunnyvale.													
2.5	Update on SFPUC/BAWSCA Collaboration Efforts.													
Focus 3: Continue to monitor Direct Potable Reuse (DPR) guidance and implement actions as needed.														
3.1	Actively Engage in Direct Potable Reuse				X						X			
Focus 4: Finalize negotiations on term sheet for South County recycled water and agreement on governance														
4.1	South Santa Clara County Water Reuse Collaboration.		X			X					X			
Focus 5: Continue to monitor feasibility of desalination														
5.1	Continue to monitor feasibility of desalination.				X									
Others														
0.1	Regional discussion on options : Feasibility analysis of Recycled Water Exchange with Contra Costa Water District and Central Contra Costa Sanitary District and feasibility of desalination.													
0.2	Update on Bottling Purified and water tasting station at the SVAWPC.	X							X					
0.3	Urban Runoff Study with Stanford University.	X									X			
0.4	Outreach Efforts.	X	X		X	X			X		X			X
0.5	Alternative Purification Technologies in Response to 04/12/22 Board Meeting Public Comment				X									

\*Blue strikes - items added on updated work plan

\*Red strikes - items deleted from current work plan

\*\* Being updated/removed in FY23 Board Work Plan

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## PROPOSED RWC 2023 WORKPLAN

Task	Agenda Item	January	February	March	April	May	June	July	August	September	October	November	December
<b>FY 23 Tactic 1: Advance the Purified Water Program by releasing an RFP for at least one locally-sponsored project.</b>													
1.1	Update on Purified Water Program including Partnership with Cities of San Jose and Palo Alto.	X	X	X	X	X	X	X	X	X	X	X	
1.2	Update on Public Private Partnership [P3] Procurement.	X	X	X	X	X	X	X	X	X	X	X	
<b>FY 23 Tactic 2: Implement the Countywide Water Reuse Master Plan.</b>													
2.1	Implement the Countywide Water Reuse Master Plan (Core Plan)												
2.2	Joint Mtg Prep/Debrief: Joint Recycled Water Policy Advisory Committee		X		X								
2.3	Joint Mtg Prep/Debrief: Cities of Palo Alto/Mtn View.												
2.4	Joint Mtg Prep/Debrief: City of Sunnyvale.												
2.5	Update on SFPUC/BAWSCA Collaboration Efforts.									X			
2.6	Independent Advisory Panel.				X								
<b>FY 23 Tactic 3: Continue to actively be involved with Direct Potable Reuse (DPR) guidance and implement actions for the future.</b>													
3.1	Actively Engage in Direct Potable Reuse							X				X	
<b>FY 23 Tactic 4: Develop a Comprehensive Water Reuse Agreement for South County to advance water reuse and its production, distribution, and wholesaling in South County.</b>													
4.1	South Santa Clara County Water Reuse Collaboration.			X			X			X			
<b>FY 23 Tactic 5: Continue to monitor feasibility of desalination.</b>													
5.1	Continue to monitor feasibility of desalination.		X									X	
<b>Others</b>													
6.1	Continue collaboration on the Silicon Valley Advances Water Purification Center including building a strong collaborative relationship with the San Jose-Santa Clara Regional Wastewater Facility to expand the facility.	X					X					X	
6.2	Regional discussion on options : Feasibility analysis of Recycled Water Exchange with Contra Costa Water District and Central Contra Costa Sanitary District and feasibility of desalination.	X										X	
6.3	Update on Bottling Purified and water tasting station at the SVAWPC.			X									
6.4	Urban Runoff Study with Stanford University.				X								
6.5	Outreach Efforts.										X		

CANCELLED

\*Blue strikes - items added on updated work plan

\*Red strikes - items deleted from current work plan

\*\* Being updated/removed in FY23 Board Work Plan

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# RECYCLED WATER COMMITTEE 2022 ACCOMPLISHMENT REPORT

Task	Agenda Item	Objective	Accomplishments/Outcomess
<b>Focus 1: Advance the Expedited Purified Water Program by releasing an RFP for at least one locally-sponsored project.</b>			
1.1	Update on Purified Water Program including Partnership with Cities of San Jose and Palo Alto.	<b>02/01/22:</b> Receive updates and provide feedback on the following: <ul style="list-style-type: none"> <li>Public Private Partnership (P3) Purified Water Project</li> <li>Partnership efforts with the Cities of Palo Alto, San José and Santa Clara</li> <li>Outreach Efforts</li> </ul>	<b>02/01/22:</b> The Committee was informed that with regard to P3 of the Purified Water Program, staff is drafting the Project Agreement and refining the project technical requirements, and developing supplementary technical information continues for subsurface conditions and easements which would be information that would be furnished to the Respondents for developing their cost proposals. In collaboration with the Cities of San José and Palo Alto, staff had been developing the draft Environmental Impact Report anticipated for release in the first quarter of 2022. City of Palo Alto and Valley Water staff had exchanged term sheets for lease and reverse osmosis concentrate management. Valley Water and the cities of City of San José and Santa Clara staff continued to meet and discussed agreements that would be needed for a second phase Purified Water Project. Staff continued to host public and private virtual tours of the purification center. During November and December, staff hosted 13 tours and reached over 300 members of the public. In December, staff secured a letter of support for Valley Water reuse efforts and the Purified Water Project from the Santa Clara County Medical Association. Staff continued to collaborate with the medical community in hopes of recruiting vocal advocates and garner public trust and support
		<b>03/23/22:</b> Receive updates and provide feedback on the following: <ul style="list-style-type: none"> <li>Collaboration with Partners</li> <li>Public Private Partnerships (P3)</li> <li>Outreach on water reuse efforts</li> </ul>	<b>03/23/22:</b> The Committee was informed that staff continued to collaborate with City of Palo Alto and develop the first phase of the Public Private Partnership (P3) Purified Water Project consisting of an Advanced Water Purification Facility (AWPF) and appurtenances in Palo Alto as well as agreements required to proceed with the first phase of the P3 Purified Water Project. Coordination continued on land use with agencies and property owners along potential pipeline route being considered as part of the P3 Purified Water Project being developed. With regard to the short-listed P3 Respondents, a briefing was held on February 23, 2022, to provide an update on the status of the: partner agreements required for the project, P3 project technical requirements; and progress in developing and releasing the PWP RFP and Project Agreement. A one-on-one meeting was held with each P3 project responded to hear their questions and insights. With regard to outreach, an outreach to various organizations was held primarily in San José and Palo Alto, as well as pipeline route cities. A public meeting on the Well Control Zone to restrict drinking water wells near the recharge ponds occurred on March 10, 2022.
		<b>05/25/22:</b> Receive updates and provide feedback on the following topics: <ul style="list-style-type: none"> <li>A. Collaboration with partner agencies regarding the Purified Water Project;</li> <li>B. Public Private Partnership (P3) Procurement of the Purified Water Project;</li> <li>C. California Environmental Quality Act (CEQA) efforts related to the Purified Water Project; and</li> <li>D. Outreach regarding the Purified Water Project.</li> </ul>	<b>05/25/22:</b> The Committee was informed that the release of Request for Proposal would be pushed to late summer/early fall when agreements with partners are finalized; that the final agreements would allow completion of draft EIR and issuance of RFP; that staff have been meeting with partner agencies to discuss project progress including staff presentations at council meetings; that utility information were received from cities as part of pipeline alignment design and RFP package for release later this year; that a workshop is scheduled with Cities of Mountain View and Palo Alto to resolve issues to finalize the agreement; that the City of San Jose has received the amendment to extend agreement for an additional year to reimburse staff support for continued negotiations on securing wastewater for future purified water options. <p>In regard to Public-Private Partnership procurement of the Purified Water Project, staff added that the four teams on short list were provided an update on delays on RFP release and responded with feedback on the data room; that staff is working on the WIFIA loan letter of interest; and that the Environmental Protection Agency would launch the grant program in the summer.</p> <p>In regard to CEQA related to the Purified Water Project, staff stated that the draft EIR would be released around the same time as the RFP; and that staff would present a visible schedule to this Committee at the next meeting.</p> <p>In regard to outreach, staff stated that staff would co-author a series of articles on the Santa Clara County Medical Association's News Bulletin that reaches approximate 5,000 county physicians, in addition to their letter of support for the Purified Water project.</p> <p>The Committee mentioned about an enthusiastic response from the business community after a presentation at the San Jose Chamber of Commerce on how Valley Water played a role to support housing, development, and provided necessary services to the community; and requested staff to present a plan for targeted outreach efforts to the corporate employers, chambers of commerce and developers to engage them on the benefits of recycled/purified water. Staff would determine the timing on when to agendize this topic at a future meeting of this Committee.</p>

Task	Agenda Item	Objective	Accomplishments/Outcomess
		<p><b>06/22/22:</b> Receive updates and provide feedback on the following topics:</p> <p>A. Schedule for Purified Water Project</p> <p>B. Collaboration with partner agencies regarding the Purified Water Project</p> <p>C. Public Private Partnership (P3) Procurement of the Purified Water Project</p> <p>D. Outreach regarding the Purified Water Project</p>	<p><b>06/22/22:</b> The Committee was informed that while the procurement schedule had shifted slightly, the delivery of water is still projected to be in 2028; that staff continued to advance on the EIR, draft RFP, and funding opportunities; that the City of Campbell provided valuable input on outreach for pipeline construction in their community at a recent council meeting attended by Kirsten Struve, Deputy Operating Officer, and Director LeZotte; that staff continued to prepare response to questions and request for more information submitted by short-listed entities; and that a tour of the SVAWPC with the Legislative Committee of the League of Cities occurred recently.</p>
		<p><b>06/22/22:</b> Receive information and update on Reverse Osmosis Concentration Management Efforts.</p>	<p><b>06/22/22:</b> The Committee noted the following without taking formal actions from the presentation of Dr. David Sedlak, UC Berkeley Professor:</p> <ul style="list-style-type: none"> <li>• That Valley Water (VW) had been piloting several commercial and Nature Based Solution (NBS) treatment alternatives for Reverse Osmosis Concentrate (ROC), a by-product of treated wastewater.</li> <li>• That results indicated the effectiveness of NBS as a potential method for meeting regulatory requirements.</li> <li>• That Dr. David Sedlak's presentation would be about the pilot study on NBS treatment at Oro Loma Sanitary District's (OLSD) on a horizontal levee where treated effluent water from the Oro Loma facility flows into the basin, is piped to the top of the horizontal levee, and flow through the soil to sustain native plants, as well as removes nutrients and other contaminants that may still be present in the treated effluent.</li> <li>• That Phase 1 of the OLSD study collected data that revealed significant reduction of nutrients, trace organic contaminants, and metals such as copper, and Phase 2 would be a continued collaboration with UC Berkeley and OLSD.</li> <li>• That in response to Committee inquiries on the disposal process of the elements, if the project would extend to the City of Palo Alto, and what would be the needed city discharge permits, Dr. Sedlak stated that disposed elements either convert to nitrogen which is 80% of our atmosphere; degrades to undetectable level of trace organic compounds; absorbed by plants; sequestered by the soil as small amounts of pharmaceutical and pesticides; and expressed concern about PFAS that when regenerated carbon were installed on the sub-surface, it would take 80 years for PFAS trapped in the middle ground to come out on the other side. He confirmed that the project would extend in the City of Palo Alto through a bid out or a demonstration project. Kirsten Struve, Assistant Officer, added that with regard to permits, VW would take advantage of the short-term solution with the approval of the Letter of Concurrence to go with the dilution of ROC at the outfall of the Palo Alto treatment plant. The San Francisco Bay Regional Water Quality Control Board letter to Valley Water indicated that VW should keep looking into other solutions such as the horizontal levee to meet permit requirements, and as a result, the Oro Loma work helped prepare for the future and these opportunities.</li> </ul> <p>The Committee accepted Dr. Sedlak's invitation for a site tour of the horizontal levee at the Oro Loma Sanitary District.</p>

Task	Agenda Item	Objective	Accomplishments/Outcomess
		<p><b>08/24/22:</b> Receive updates and provide feedback on the following topics:</p> <p>A. Collaboration with partner agencies regarding the Purified Water Project</p> <p>B. Public Private Partnership (P3) Procurement of the Purified Water Project</p> <p>C. Outreach regarding the Purified Water Project</p>	<p><b>08/24/22:</b> Regarding collaboration with partner agencies, the Committee was informed that:</p> <ul style="list-style-type: none"> <li>That a follow up letter from the June 1, 2022 inter-agency workshop with City of Palo Alto and Mountain View was sent to the cities by Rick Callender, Chief Executive Officer, and made available to other Board members in the August 5, 2022 edition of the Non-agenda;</li> <li>That collaboration continues between Valley Water and City of Palo Alto for a Reverse Osmosis Concentrate pilot skid program to be installed at the Silicon Valley Advance Water Purification Center (SVAWPC);</li> <li>That PWP presentations had been made to various city councils with the next one in September 2022 scheduled with the City of Palo Alto and would include a presentation on the plan to lease the Los Altos treatment plant site;</li> <li>That with regard to collaboration with the City of San Jose, staff would bring a detailed update to the Committee at the next meeting.</li> </ul> <p>Regarding Public Private Partnership, the Committee was informed that:</p> <ul style="list-style-type: none"> <li>That staff had responded to the second round of questions by P3 respondents; and</li> <li>That staff provided to the short-listed P3's a Webinar on Major Construction Opportunities for DBE/SBE Firms in August, and an invitation to a business outreach event co-hosted by Valley Water with the City of San Jose and Valley Transit in September.</li> </ul> <p>Regarding PWP outreach, the Committee was informed that:</p> <ul style="list-style-type: none"> <li>That a special issue on water of The Bulletin, the official magazine of the Santa Clara County Medical Association, was released in its Volume 29, Second Quarter 2022 edition. Copies were distributed to the Committee at the meeting, provided post-meeting to the public, and identified herein as Handout 4.1-A;</li> <li>That onsite SVAWPC tours had been provided to various elected officials and Valley Water summer interns, and another upcoming tour was being planned for the above-mentioned medical professionals;</li> <li>That the Water Summit 2022, Together, our future is drought-proof on August 26, 2022, a Valley Water event in partnership with Silicon Valley Leadership Group, San Jose Chamber of Commerce, Joint Venture Silicon Valley, and Bay Area Council would highlight recycled water and the Purified Water Program.</li> </ul> <p>Dr. Arthur Keller requested for a SVAWPC tour and staff stated that he would be contacted by staff.</p>
		<p><b>09/14/22:</b> Confirmation of Tour Itinerary and Map.</p>	<p><b>09/14/22:</b> The Committee went on a tour of the horizontal levee at the Oro Loma Sanitation District, hosted by Professor David Sedlak, UC Berkeley Professor.</p>
		<p><b>09/28/22:</b> Receive updates and provide feedback on the following topics:</p> <p>A. Collaboration with the City of Palo Alto and Other Partners;</p> <p>B. Public Private Partnership (P3) Procurement of the Purified Water Project</p> <p>C. Outreach regarding the Purified Water Project</p>	<p><b>09/28/22:</b></p> <p>The Committee received information on the following without taking formal action.</p> <ul style="list-style-type: none"> <li>With City of Palo Alto, coordination continue on finalizing the agreement on future purification facility; city and Valley Water staff presentations made to the city council; and potential funding of city staff, consultant support, and pursuit of grants and loans for the project. In regard to the P3 procurement, strong interest by short-listed P3 respondents continued as they provided valuable input and feedback to Valley Water staff. In regard to outreach, various onsite tours of the Silicon Valley Advanced Water Purification Center were conducted in September as well as virtual tours made available through the Mountain View public libraries, and the first in-person tour after the pandemic occurred on September 30.</li> <li>With City of San Jose, a Letter of Intent on the recent discussions that occurred was being developed and would be presented to the Committee in the coming months.</li> <li>With regard to federal and state funding for the recycled water project, staff had continued conversation with federal and state for more funding in addition to the allocation approved by Governor Newsom to address the drought situation. In addition, application and information on a Bureau of Reclamation program on funding for a large recycling project where Valley Water's Purified Water Project would qualify, was anticipated before the year ends.</li> </ul>



Task	Agenda Item	Objective	Accomplishments/Outcomess
		<b>12/16/22:</b> Receive updates and provide feedback on the following topics: A. Collaboration with the City of Palo Alto and Other Partners; B. Public Private Partnership (P3) Procurement of the Purified Water Project.	12/16/22: The Committee received information on the following without taking formal action. <ul style="list-style-type: none"> <li>•With City of Palo Alto, staff continued to collaborate on agreements to implement the purified water project. In addition, both agencies met with SF Regional Water Quality Control Board to address the hazardous materials issue at the Los Alto Treatment site and the plans on the reverse osmosis concentrate management.</li> <li>•With City of San Jose, a Letter of Intent on the recent inter-agency discussions that occurred was being developed and would be presented to the Committee in the coming months.</li> <li>•With regard to the Division of Drinking Water, a tracer study had started to confirm the speed of groundwater flow for upcoming zoning on well construction.</li> <li>•With regard to the draft EIR, the draft was being reviewed by both cities of Palo Alto and San Jose.</li> <li>•With regard to Public Private Partnership, the increase in Class 5 engineering cost estimate was reported to the Capital Improvement Committee.</li> <li>•With regard to grants and loans, staff met with the Bureau of Reclamation and discussed the large-scale water recycling project funding opportunity while a feasibility study to support this effort was being developed. Beckie Zisser, Senior Management Analyst, added that the large-scale water recycling project funding is a brand-new US Bureau of Reclamation program created under the bi-partisan infrastructure law with a total of \$450M available for projects that have at least \$500M in cost and that Valley Water has one of the few projects that would qualify.</li> </ul>
1.2	Independed Advisory Panel (NOTE: this work plan item was not agendized during the reporting period.)		
1.3	Update on Public Private [P3] Procurement. (NOTE: please refer to Item 1.1 above.)		
1.4	Report on Letter of Intent Between Santa Clara Valley Water District and Cities of San Jose and Santa Clara on Recycled Water and Purified Water. (NOTE: this work plan item was not agendized during the reporting period.)		
<b>Focus 2: Implement the CoRE Plan</b>			
2.1	Implement the Countywide Water Reuse Master Plan. (NOTE: this work plan item was not agendized during the reporting period.)		-
2.2	Joint Mtg Prep/Debrief: TPAC. (NOTE: this work plan item was not agendized during the reporting period.)		
2.3	Joint Mtg Prep/Debrief: Cities of Palo Alto/Mt. View. (NOTE: this work plan item was not agendized during the reporting period.)		
2.4	Joint Mtg Prep/Debrief: City of Sunnyvale (NOTE: this work plan item was not agendized during the reporting period.)		
2.5	Update on SFPUC/BAWSA Collaboration Efforts. (NOTE: this work plan item was not agendized during the reporting period.)		
<b>Focus 3: Continue to monitor Direct Potable Reuse (DPR) guidance and implement actions as needed.</b>			



Task	Agenda Item	Objective	Accomplishments/Outcomess
3.1	Actively Engage in Direct Potable Reuse	05/25/22: Received information on Direct Potable Reuse regulatory developments and Valley Water Engagements.	05/25/22: The Committee was informed about staff have participation in several important research and special studies conducted by the Water Research Foundation (WRF) with the focus on informing the DPR regulations. These special studies include enhanced source control programs and blending of purified and raw water. Staff also collaborated with other utilities, academia, and research entities in joint technical studies, research projects, and treatment process evaluations to collect, analyze, and exchange various data on water quality and operational parameters from SVAWPC to inform DPR related investigative studies.  Staff added that this year's WaterReuse California Annual Conference would be held in San Francisco and that Recycled Water staff was planning to participate and would include a tour of the Silicon Valley Advanced Water Purification Center.
		09/28/22: Receive update and provide feedback on Direct Potable Reuse regulatory developments.	09/28/22: The Committee was informed that this agenda item was being presented to the Committee to give a general update on direct potable reuse, which is not going to be the focus of the procurement for the Purified Water Project as it was not yet a feasible project. Although the project in procurement is Indirect Potable Reuse, the technical requirements on the Request for Proposal would request the facility to be DPR-design ready in anticipation of the release of the regulations and future needs.  The Committee noted the following without taking formal action:  • Valley Water staff had been participating in the work products of the Expert Panel by active participation in research, technical panels, and submitting comments on the proposed regulations.  • Per the requirements of AB 574, the State Water Board's Division of Drinking Water (DDW) has developed the regulation for DPR. It is expected that these regulations will go through the administrative processes in 2023 and finalized in December of that year.  The Committee requested information on updated data if public opinion had changed favorably on Direct Potable Reuse. Don Rocha, Deputy Administrative Officer, stated that a poll had just been completed, and the results would be shared to this Committee at a future meeting. Subsequently, at the December 16, 2022 meeting of this Committee, staff had agendized Item 4.2 on, "Update on Purified Water Public Outreach and Annual Public Perception Survey Poll."

Task	Agenda Item	Objective	Accomplishments/Outcomess
Focus 4: Finalize negotiations on term sheet for South County recycled water and agreement on governance.			
4.1	South Santa Clara County Water Reuse Collaboration	03/23/22: Receive an update on the Technical Working Group's discussion regarding recycled water planning, opportunities and challenges in South County and provide feedback.	03/23/22: The Committee received information on feedback received from the Joint Water Resources Committee meeting held January 5, 2022, and a staff presentation that highlighted the TWGs recent examination of the 1999 and 2006 Producer-Wholesaler Agreements and prospective additions and revisions to bring these legal provisions up to date.
		06/22/22: Receive an update on the Joint Water Resources Committee's Technical Work Group discussions regarding collaboration on water reuse efforts and provide feedback.	06/22/22: The Committee received information that the Technical Work Group would take a phased approach toward the development of one comprehensive South County agreement. Staff added that a revised Producer-Wholesaler Agreement No. A2280W-4 was being reviewed by each party involved in the agreement, and that after completion of review of this agreement, the TWG would proceed to redrafting both 1999 Wholesaler-Retailer Agreement Nos. A-2880-2 and A-2880-3; that the TWG was collaborating on an update of the 2015 South County Master Plan; and that the TWG was scheduled to present to the Joint Water Resources Committee with the following agenda topics: South County recycled water master planning, opportunities to enhance our legal agreements to improve water reuse in South County, and on-going collaborations with developers to expand and improve water reuse infrastructure in South County
		09/28/22: Receive an update on Technical Work Group discussions and provide feedback.	09/28/22: The Committee received information that the agreement was being updated by the Technical Working Group and the estimated time completion of review and revisions to all three agreements was projected by end of the year. Staff added that the Technical Working Group was updating the 2015 South County Master Plan as there are now grants and loan opportunities that are coming forward.
Focus 5: Continue to monitor feasibility of desalination.			

Task	Agenda Item	Objective	Accomplishments/Outcomess
5.1	Continue to monitor feasibility of desalination.	03/23/22: Discuss the 2022 RWC Work Plan and Next Meeting Date.	03/23/22: The Committee requested staff to bring to the full Board information on desalination and add desalination to the Committee's work plan. Subsequently, staff presented Item 4.1 at the May 10, 2022 regular Board meeting, "Consider the March 23, 2022 Request from the Recycled Water Committee to Provide Information to the Board of Directors on Desalination as a Potential Water Supply in Santa Clara County and Approve the Inclusion of Desalination to the 2022 Recycled Water Committee Work Plan."
		05/25/22: Receive information on desalination efforts as a water supply in the Santa Clara County.	05/25/22: The Committee was informed that Valley Water continued evaluating desalination projects through its Water Supply Master Plan and its Monitoring and Assessment Program (MAP). Valley Water developed a scope of work for a preliminary feasibility study of Bay water desalination in Santa Clara County and is currently working with a consultant to begin this work. In addition, Valley Water continued to participate in the BARDP, which is currently evaluating water rights constraints and the ability of the Los Vaqueros Reservoir (located in Contra Costa County) to help mitigate some of the water rights issues. Staff would continue to provide updates on regional and local desalination studies to the Recycled Water Committee when new information is available.
Others			
0.1	Regional discussion on options : Feasibility analysis of Recycled Water Exchange with Contra Costa Water District and Central Contra Costa Sanitary District and feasibility of desalination. (NOTE: this work plan item was not agendized		
0.2	Update on Bottling Purified Water and water tasting station at the SVAWPC.	02/01/22: Update on Bottling Purified Demonstration Water and on Water Tasting Station at Silicon Valley Advance Water Purification Center.	02/01/22: Staff completed acquisition of essential equipment and testing supply acquisitions and established the testing requirements and schedule for completing the Validation Tests anticipated to be completed in 2022, then a final report would be submitted to the Division of Drinking Water for initial review.  The Committee noted the information without taking formal action and requested that staff look into environmental concerns about the use of plastic to produce 16,000 single-use plastic bottles.
		08/24/22: Receive information and provide feedback on bottling purified demonstration water and on water tasting station at the SVAWPC.	08/24/22: The Committee was informed that the Validation Test were successes and with Division of Drinking Water (DDW) staff present at the Purification Center today and observed our second day of testing. Valley Water and DDW staff discussed the series of tests performed today, Valley Water staff answered DDW staff's questions, and DDW staff presented next steps to obtain approval to bottle purified water in the future, pending successful demonstration of production capability through these studies.
0.3	Urban Runoff Study with Stanford University.	02/01/22: Receive information and provide feedback on the Urban Runoff Study with Stanford University.	02/01/22: The Committee received a presentation from Professor Richard Luthy, Stanford University Professor, and noted the following: • The City of San Jose's Regional Wastewater Facility Master Plan indicated that capturing stormwater from Alviso's stormwater pump stations for treatment at the nearby SVAWPC would be cost prohibitive since the availability of water would be dependent on rainwater; • There are currently no regulations on storm water quality, and we could only use best judgment on quality of storm water to become part of water supply; that his team is working with the Los Angeles Department of Water and Power (LADWP) for an improved design for dry wells; that LADWP plans to reduce dependence on imported water through recycled water, and storm water supply; and suggested to use the 2600 acres vacant land along Coyote and Interstate 237 as hydraulic buffer, a storage pond, and treat it like a control bed. • The Stanford team led by Professor Luthy would be relying on Valley Water to provide a team that would be part of discussion on ecological flows.
		09/28/22: Receive an update of an ongoing urban water study to evaluate feasibility of urban runoff for water supply, and provide feedback.	09/28/22: The Committee received the following information:  • Professor Luthy and Bridget Gile would prepare a memo for the Committee summarizing discussions they initiated on the concept of urban runoff with NOAA Fisheries, Department of Fish & Wildlife, and Regional Water Quality Control Boards and would provide the Committee information on the Orange Memorial Park Stormwater Capture Project as an example of diverting urban storm water runoff into an underground system integrated into the park • Professor Luthy offered to send the Committee a copy of a presentation by John Bradshaw on pipeline flows.  The Committee made the following requests of staff: • Staff to reach out to the Los Angeles Department of Water & Power (LADWP) who are ahead in developing storm water capture for a possible brainstorming workshop as suggested by Professor Luthy. • Staff to consider outreach to various cities and agencies to synchronize efforts on storm water capture.
0.4	Outreach efforts.	05/25/22: Discuss the 2022 RWC Work Plan and Next Meeting Date.	05/25/22: The Committee requested that staff present a plan for targeted outreach efforts to corporate employers, chambers of commerce and developers to engage the on the benefits of recycled/purified water.

Task	Agenda Item	Objective	Accomplishments/Outcomess
		12/16/22: Receive an update and provide feedback on public outreach efforts for the Purified Water Program and survey results from a tracking poll carried out by EMC Research.	12/16/22: The Committee received and requested the following without taking formal action: <ul style="list-style-type: none"> <li>• In response to Committee's request to consider the use of multiple languages understandable to different groups, the consultant mentioned that the poll was available to be conducted in multiple languages, if needed. Additionally, demographic data was collected to determine how compelling messages were among the different demographic subgroups.</li> <li>• On Slide 20, Attachment 2, consultant explained that the 15% Strong Opposition under the Initial phase which increased to 17% Strong Opposition under the After-information phase could be due to respondents under the Don't-Know phase that initially had no knowledge of advanced purified water and after hearing the definition had decided to either strongly oppose or support it.</li> <li>• Staff would consider organizing townhall meetings similar to what cities had been doing for their constituents</li> </ul>
0.5	Alternative Purification Technologies in Response to 04/12/2022 Board Meeting Public Comment	05/25/22: Discuss alternative purification technologies and make recommendations as necessary.	05/25/22: The Committee was informed that this item is staff's response to a public comment at the April 12, 2022 Board meeting by Dr. Steven White, San Jose State University Professor, pertaining to Structure Nanoparticle Adsorbent, Acoustic Nanotube, Photocatalytic Water Purification, Aquaporin Membrane, and Automatic Variable Filtration. Staff added that Valley Water continues to explore these technologies and others that are in the market.  The Committee expressed support for continued community engagement especially from Dr. White that provided professional perspective, and is at the forefront of technologies.

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# 2023 RWC Proposed Meeting Schedule

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 Proposed RWC Meeting Dates

 Valley Water 2023 Holidays

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