

January 25, 2024

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
Christopher Hakes, Chief Operating Officer, Watersheds
Tina Yoke, Chief Operating officer
Rachael Gibson, Chief of External Affairs
Carlos Orellana, District Counsel
Brian Hopper, Sr. Assistant District Counsel
Vincent Gin, Deputy Operating Officer
Emmanuel Aryee, Deputy Operating Officer
Bhavani Yerrapotu, Deputy Operating Officer
Marta Lugo, Deputy Administrative Officer
Tony Ndah, Deputy Administrative Officer
Sam Bogale, Deputy Operating Officer
Donald Rocha, Assistant Officer
Kirsten Struve, Assistant Officer
Lisa Bankosh, Assistant Officer
Charlene Sun, Treasury and Debt Manager
Hossein Ashktorab, Unit Manager, Recycled & Purified Water
Carmen Narayanan, Financial Planning & Revenue Manager
Metra Richert, Unit Manager, Water Supply Planning and Conservation Manager
Lei Hong, Utility Ops & Maintenance Manager
Medi Sinaki, Sr. Engineer-Recycled & Purified Water
Girle Jacobson, Sr. Engineer-Treatment Plant Design
Henry Barrientos, Associate Civil Engineer
David Tucker, Associate Engineer – Civil
Zachary Helsley, Associate Civil Engineer
Elise Latedjou-Durand, Senior Environmental Planner
Ricardo Barajas, Program Administrator
Samantha Greene, Senior Water Resource Specialist
Lakeisha Bryant, Public Info Rep III
Karen Adriano, Staff Analyst

A Santa Clara Valley Water District Special Recycled Water Committee meeting has been scheduled to occur at 12:00 p.m. on Wednesday, January 31, 2024 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>



Santa Clara Valley Water District Recycled Water Committee Meeting

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

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

SPECIAL MEETING AGENDA

**Wednesday, January 31, 2024
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

NICOLE MERRITT
Assistant Deputy Clerk II
Office/Clerk of the Board
(408) 630-3262
nmerritt@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.

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

Wednesday, January 31, 2024

12:00 PM

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

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

*****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 during public comment or on any item listed on the agenda, may do so by filling out a Speaker Card and submitting it to the Clerk or using the “Raise Hand” tool located in the Zoom meeting application to identify yourself in order to speak, at the time the item is called. Speakers will be acknowledged by the Board Chair in the order requests are received and granted speaking access to address the Board.

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

Valley Water, in complying with the Americans with Disabilities Act (ADA), requests individuals who require special accommodations to access and/or participate in Valley Water Board of Directors/Board Committee meetings to please contact the Clerk of the Board’s office at (408) 630-2711, at least 3 business days before the scheduled meeting to ensure that Valley Water may assist you. This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has not been prepared with a view to informing an investment decision in any of Valley

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

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

Join Zoom Meeting:
<https://valleywater.zoom.us/j/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 Board/Committee on any item not listed on the agenda may do so by filling out a Speaker Card and submitting it to the Clerk or using the "Raise Hand" tool located in the Zoom meeting application to identify yourself to speak. Speakers will be acknowledged by the Board/Committee Chair in the order requests are received and granted speaking access to address the Board/Committee. Speakers' comments should be limited to three minutes or as set by the Chair. The law does not permit Board/Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Board/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 Board/Committee may take action on any item of business appearing on the posted agenda.

- 2.1. Election of 2024 Recycled Water Committee Chairperson and Vice Chairperson. [24-0165](#)
- Recommendation: Nominate and elect the 2024 Recycled Water Committee Chairperson and Vice Chairperson.
- Manager: Candice Kwok-Smith, 408-630-3193
- Est. Staff Time: 5 Minutes

3. APPROVAL OF MINUTES:

- 3.1. Approval of December 6, 2023 Recycled Water Committee Minutes. [24-0112](#)
- Recommendation: Approve the minutes
- Manager: Candice Kwok-Smith, 408-630-3193
- Attachments: [Attachment 1: 120623 RWC Meeting Minutes](#)
- Est. Staff Time: 5 Minutes

4. REGULAR AGENDA:

- 4.1. Receive Purified Water Program Update Including Partnership with Cities of San Jose and Santa Clara and Provide Feedback. [24-0037](#)
- Recommendation: Receive an update and provide feedback on the following topics:
- A. Collaboration effort with the Cities of San Jose and Santa Clara;
 - B. Development of a roadmap to develop needed agreements, including mutual objectives, timelines, and resources needed to complete agreements within two years; and
 - C. Outreach.
- Manager: Kirsten Struve, 408-630-3138
- Est. Staff Time: 5 Minutes
- 4.2. Receive Purified Water Program Update Including Partnership with Cities of Palo Alto and Mountain View and Provide Feedback. [24-0038](#)
- Recommendation: Receive an update and provide feedback on the following topics:
- A. Collaboration efforts with Cities of Palo Alto and Mountain View;
 - B. Public Private Partnership; and
 - C. Outreach.
- Manager: Kirsten Struve, 408-630-3138
- Est. Staff Time: 5 Minutes

- 4.3. Receive South Santa Clara County Water Reuse Collaboration Update and Provide Feedback. [24-0039](#)
Recommendation: Receive an update and provide feedback on South Santa Clara County Water Reuse Collaboration.
Manager: Kirsten Struve, 408-630-3138
Attachments: [Attachment 1: PowerPoint](#)
Est. Staff Time: 10 Minutes
- 4.4. Receive Potential Water Reuse Goal Update Based on Water Supply Master Plan 2050 and Recommend to Valley Water's Board a Potable Reuse Goal. [24-0040](#)
Recommendation: Receive potential water reuse goal update and recommend to Valley Water's Board a potable reuse goal of 24,000 Acre Feet per Year (AFY) by 2035 for inclusion in the Water Supply Master Plan 2050.
Manager: Kirsten Struve, 408-630-3138
Attachments: [Attachment 1: PowerPoint](#)
Est. Staff Time: 10 Minutes
- 4.5. Receive and Accept the 2024 Proposed Recycled Water Committee (RWC) Work Plan, and Provide Feedback on Upcoming Discussion Items, and the 2024 RWC Meeting Schedule. [24-0113](#)
Recommendation: Receive and accept the 2024 Proposed RWC Work Plan, and provide feedback on upcoming discussion items and the 2024 RWC meeting schedule.
Manager: Candice Kwok-Smith, 408-630-3193
Attachments: [Attachment 1: 2023 RWC Work Plan](#)
[Attachment 2: 2024 Proposed RWC Work Plan](#)
[Attachment 3: 2024 RWC Meeting Schedule](#)
Est. Staff Time: 5 Minutes
5. **CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.**
This is an opportunity for the Clerk to review and obtain clarification on any formally moved, seconded, and approved requests and recommendations made by the Committee during the meeting.
6. **ADJOURN:**
- 6.1. Adjourn to Regular Meeting at 12:00 p.m., on February 28, 2024.

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Santa Clara Valley Water District

File No.: 24-0165

Agenda Date: 1/31/2024

Item No.: 2.1.

COMMITTEE AGENDA MEMORANDUM Recycled Water Committee

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

SUBJECT:

Election of 2024 Recycled Water Committee Chairperson and Vice Chairperson.

RECOMMENDATION:

Nominate and elect the 2024 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
2016	T. Estremera	G. Kremen
2017	T. Estremera	B. Keegan
2018	T. Estremera	B. Keegan
2019	T. Estremera	B. Keegan

2020	T.Estremera	B.Keegan
2021	T. Estremera	G. Kremen
2022	T. Estremera	R. Santos
2023	T. Estremera	R. Santos

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

There are no environmental justice and equity impacts associated with this item.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193



Santa Clara Valley Water District

File No.: 24-0112

Agenda Date: 1/31/2024
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:

Approval of December 6, 2023 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 Valley Water's historical records archives and serve as historical records of the Committee's meetings.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

There are no environmental justice and equity impacts associated with this item.

ATTACHMENTS:

Attachment 1: 120623 RWC Meeting Minutes

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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RECYCLED WATER COMMITTEE MEETING

DRAFT MINUTES

**SPECIAL MEETING
WEDNESDAY, DECEMBER 6, 2023
10:00 AM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

A special meeting of the Santa Clara Valley Water District (Valley Water) Recycled Water Committee (Committee) was called to order in the Valley Water Headquarters Building Boardroom at 5700 Almaden Expressway, San Jose, California, and by Zoom teleconference, at 10:00 a.m.

1.1. Roll Call.

Committee members in attendance were District 4 Director Jim Beall, District 3 Vice Chairperson Richard P. Santos, and District 6 Director Tony Estremera, Chairperson presiding, constituting a quorum of the Committee.

Staff members in attendance were: Brandon Adriano, Karen Adriano, Antonio Alfaro, Hossein Ashktorab, Aaron Baker, Henry Barrientos, Lakeisha Bryant, Jiana Escobar, Vincent Gin, Andrew Gschwind, Walter Gonzalez, Zachary Helsley, Girlie Jacobson, Candice Kwok-Smith, Emelia Lamas, Marta Lugo, Becky Manchester, Nicole Merritt, Mike Potter, Melanie Richardson, Don Rocha, Medi Sinaki, Diahann Soleno, Kirsten Struve, Charlene Sun, David Tucker, and Beckie Zisser.

Public in attendance were: Phillippe Daniel (Liquisti LLC), Jan Davel (CDM Smith), Joseph Foster, Pedro Hernandez (City of San Jose), Katja Irvin (Sierra Club), Arthur Keller (Minerva Consulting), Shane Trussell (Trussell Technologies), and Kate Worrell.

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. There was no one who wished to speak.

3. APPROVAL OF MINUTES:

3.1. Approval of October 27, 2023 Recycled Water Committee Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the October 27, 2023 Committee meeting.

Public Comments:
None.

It was moved by Vice Chair Santos and seconded by Director Beall, and unanimously carried that the minutes be approved.

4. REGULAR AGENDA:

- 4.1. Receive Purified Water Program Update Including Partnerships with Cities of Palo Alto/Mountain View and San Jose/Santa Clara and Provide Feedback.

Recommendation: Receive an update and provide feedback on the following topics:

- A. Collaboration effort with partners
 - Cities of Palo Alto and Mountain View
 - Cities of San Jose and Santa Clara
- B. Public Private Partnership
- C. Outreach

Kirsten Struve reviewed the information on this item, per the attached Committee Agenda Memo and per the information contained in Attachment 1.

Kirsten Struve was available to answer questions.

Public Comments:

Arthur Keller inquired if there is protection from flooding and earthquake liquefaction.

Kirsten Struve confirmed that the source water pump station noted in Attachment 1 and the proposed purification center will have flood walls and liquefaction is addressed in the California Environmental Quality Act (CEQA) document.

The Committee received the information, took no formal action, and noted the following:

- The Committee noted staff's participation in Palo Alto City Council meetings, councilmembers' attendance on Valley Water tours, and a future committee meeting to be scheduled with the cities of Palo Alto and Mountain View for continued engagement opportunities.
- The Committee noted staff currently working on confirming if the schedule of the approval of agreements will remain in February 2024.
- Director Beall requested staff to put on a future agenda the status of possible federal and state funding for projects.

- 4.2. Receive Update on Valley Water's Efforts to Actively Engage on Direct Potable Reuse (DPR) Regulations and Provide Feedback.

Recommendation: Receive update and provide feedback on DPR regulatory developments.

Hossein Ashktorab reviewed the information on this item, per the attached Committee Agenda Memo, and per the information contained in Attachment 1.

Hossein Ashktorab and Kirsten Struve were available to answer questions.

Public Comments:
None.

The Committee received the information, took no formal action, and noted the following:

- Director Beall encouraged staff to continue to consider options of expediting projects to further save money through state regulations.
- The Committee noted DPR regulations expected to become effective in Spring 2024 around February or March and staff's confirmation to continue to work on this item promptly.

4.3. Receive an Update on the Water Supply Master Plan Potable Reuse Goal and Potential Amount of Wastewater Available for Water Reuse.

Recommendation: Receive an update on the Water Supply Master Plan Potable Reuse Goal and Potential Amount of Wastewater Available for Water Reuse.

Zachary Helsley reviewed the information on this item, per the attached Committee Agenda Memo, and per the information contained in Attachment 1.

Zachary Helsley and Kirsten Struve were available to answer questions.

Public Comments:
Arthur Keller inquired if the purification facility would be in Palo Alto or San Jose.

Katja Irvin inquired about the status of desalination and noted the importance of community outreach within the environmental community.

Kirsten Struve confirmed the purification facility would be in Palo Alto and that pipes in urbanized areas are expensive, and it would not be a cost-effective to send Palo Alto purified water to San Jose.

Kirsten Struve confirmed a current preliminary feasibility study on desalination, follow up on a consultant, continuing community outreach, and the inclusion of desalination in the Water Supply Master plan as a project modeled at 24,000-acre feet per year, but noted purified water project is the more environmentally friendly option for that amount of water.

The Committee received the information, took no formal action, and noted the following:

- Director Beall requested for staff to follow up on exploring stormwater for purified water production on a future agenda.

4.4. Receive Information on Recycled Water Activities and Projects Associated with Valley Water's Distribution Portion of the South County Recycled Water System, as well as Recent Master Planning Updates with South County Partners and Provide Feedback.

Recommendation: Receive information on recycled water activities and projects associated with Valley Water's distribution portion of the South County recycled water system, as well as recent master planning updates with South County Partners, and provide feedback.

David Tucker reviewed the information on this item, per the attached Committee Agenda Memo, and per the information contained in Attachment 1.

David Tucker, Kirsten Struve, Hossein Ashktorab, Aaron Baker, and Melanie Richardson were available to answer questions.

Public Comments:
None.

The Committee received the information, took no formal action, and noted the following:

- The Committee noted that recycled water storage is a critical need for South County especially for the summertime when all the recycled water is used.
- Director Beall requested staff follow up on exploring the property benefits for developers of installed larger pipelines.
- Director Santos requested staff follow up on exploring potential options of buying South County property for a treatment plant to decrease costs and increase water supply and flexibility of source water.
- Director Beall requested staff follow up on identifying parcels or properties in South County owned by Valley Water for the potential use for assistance with the unhoused and noted stormwater capture as a public safety topic per flooding; and Director Santos supported the importance of an alternate emergency flood plan for the unhoused which staff confirmed should all be addressed by the Environmental Creek Clean Up Committee.

4.5. Receive an Update on the 7th Independent Advisory Panel Meeting for an Evaluation of Valley Water's Purified Water Program.

Recommendation: Receive information on the 7th meeting of the Independent Advisory Panel for an evaluation of Valley Water's Purified Water Program.

Medi Sinaki reviewed the information on this item, per the attached Committee Agenda Memo, and per the information contained in Attachment 1.

Medi Sinaki was available to answer questions.

Public Comments:
None.

The Committee received and noted the information and took no formal action.

4.6. Receive and Discuss the 2023 Recycled Water Committee Work Plan, Upcoming Discussion Items, and Upcoming Meeting Date.

Recommendation: Receive information on the 2023 Recycled Water Committee Work Plan, and provide feedback on upcoming discussion items and next meeting date.

The Committee considered this Item without a staff presentation.

Kirsten Struve and Aaron Baker were available to answer questions.

Kirsten Struve confirmed follow up on modifying language on the 2024 RWC work plan to assist with including stormwater capture for purification purposes.

Aaron Baker confirmed the Committee member requests for federal and state funding for projects, and water service availability analysis for South County will be included on the 2024 RWC work plan.

Nicole Merritt confirmed a scheduling conflict with the upcoming RWC meeting on January 24, 2024 and noted the next special meeting would occur on January 31, 2024 at 12:00 p.m.

The Committee received and noted the information and took no formal action.

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS:

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

None.

6. Adjourn:

6.1. Adjourn to Regular Meeting at 12:00 p.m. on January 24, 2024.

Nicole Merritt confirmed a scheduling conflict with the upcoming RWC meeting on January 24, 2024 and noted the next special meeting would occur on January 31, 2024 at 12:00 p.m.

Chairperson Estremera adjourned the meeting at 11:28 a.m., to the special meeting at 12:00 p.m. on January 31, 2024.

Nicole Merritt
Assistant Deputy Clerk II

Date Approved:

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Santa Clara Valley Water District

File No.: 24-0037

Agenda Date: 1/31/2024

Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM Recycled Water Committee

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

SUBJECT:

Receive Purified Water Program Update Including Partnership with Cities of San Jose and Santa Clara and Provide Feedback.

RECOMMENDATION:

Receive an update and provide feedback on the following topics:

- A. Collaboration effort with the Cities of San Jose and Santa Clara;
- B. Development of a roadmap to develop needed agreements, including mutual objectives, timelines, and resources needed to complete agreements within two years; and
- C. Outreach.

SUMMARY:

A. Collaboration with the Cities

In January 2023, Santa Clara Valley Water District (Valley Water) and the Cities of San José and Santa Clara (Cities) executed a Letter of Intent for Collaborating on the Expansion of Recycled and Purified Water in Santa Clara County (LOI). On November 17, 2023, the Valley Water Board and San José City Council provided the following guidance to staff to ensure development of win-win solutions that meet the Cities' and Valley Water's needs:

- Confirmed support for aggressively pursuing a joint project to meet local water supply needs, including both a demonstration and full-scale potable reuse project that is the largest size practicable within funding, environmental, and technical constraints.
- Confirmed support for development of the feasibility study, demonstration facility and institutional arrangements, including lease and wastewater availability agreements, within two years.
- Confirmed support for coordinated public outreach program to ensure the success of a direct potable reuse project.
- Twice-yearly or as-needed updates to the Joint Recycled Water Policy Advisory Committee (JRWPAC).

On December 6, 2023, the JRWPAC with the Cities of San José and Santa Clara directed staff to return with

the roadmap, including mutual objectives, timelines and resources needed to complete agreements within two years no later than April 2024 to the JRWPAC. The focus of the collaboration is a Direct Potable Reuse (DPR) project with a first phase demonstration facility.

B. Development of a Roadmap

The following technical evaluations are ongoing:

- Evaluation of the newly completed regulations and size needs for the demonstration facility
- Evaluating opportunities for a learning center to provide public outreach and education
- Necessary engineering analysis for demonstration and the future full-scale facility, including water supply connections
- Wastewater availability and sizing of full-scale facility

These technical evaluations will be used to develop needed agreements. In addition, staff is working to procure consultant assistance to develop a feasibility study. The San José-Santa Clara Purified Water Program Feasibility Study was recently funded with \$381,249 by the Bureau of Reclamation for a total project cost of \$1,524,996. Preparation of a feasibility study is a prerequisite for obtaining construction grants in the future with Cities and Valley Water committed to work together on its development.

Staff from the cities and Valley Water are also meeting to discuss:

- Potential additional support including staffing of a team needed at the City and Valley Water to implement the collaborative projects. These budget recommendations will be brought to JRWPAC no later than April.
- Workplan and roadmap

C. Outreach

In response to the joint meeting, staff from the City and Valley Water will discuss a coordinated outreach program to ensure public support for potable reuse, including coordinating on the messaging, identifying key constituencies and stakeholders, and the timing of the public outreach plan - with a lens of ensuring that disadvantaged communities are engaged with and worked with to identify their needs and input.

On December 19, 2023, the State Water Resources Control Board approved the Direct Potable Reuse regulations, paving the way for including this new supply in our community's water supply portfolio. As a result of Valley Water's active participation in these regulations for the last 13 years, the State Board requested a quote from our Board Chair to be included in their press release and Valley Water staff responded to multiple press requests, which provided the opportunity to discuss our collaboration with the Cities and the benefits and safety of direct potable reuse:

- Associated Press
- KQED/NPR
- KCRA (NBC affiliate Sacramento)
- ABC7

- KPIX
- KRON
- Univision

These stories reached nationally and internationally and are a testament to Valley Water's leadership on purified water.

In December, staff facilitated nine tours for 138 members of the public at the Purification Center. The WateReuse Association held their December meeting at Valley Water and afterward participated in a tour of the Purification Center. The third of the tri-annual environmentally focused stakeholder meetings was hosted by Valley Water at the Silicon Valley Advanced Water Purification Center (SVAWPC), which also included a tour of the SVAWPC. The Water Supply Outreach team also hosted the City of Santa Clara's Youth Commission to raise awareness on Purified Water.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Kirsten Struve, 408-630-3138

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Santa Clara Valley Water District

File No.: 24-0038

Agenda Date: 1/31/2024

Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM Recycled Water Committee

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

SUBJECT:

Receive Purified Water Program Update Including Partnership with Cities of Palo Alto and Mountain View and Provide Feedback.

RECOMMENDATION:

Receive an update and provide feedback on the following topics:

- A. Collaboration efforts with Cities of Palo Alto and Mountain View;
- B. Public Private Partnership; and
- C. Outreach.

SUMMARY:

A. Collaboration efforts with Cities of Palo Alto and Mountain View

Valley Water continues to make progress on the agreements for the proposed future purification facility with the City of Palo Alto, including a lease agreement for the former Los Altos Treatment Plant site as well as the site for the Source Water Pump Station; an easement for pipeline tie ins; and an Operations and Maintenance Agreement.

An updated cost estimate for the smaller 8.3 MGD facility which produces 7.5 MGD of purified water on average has been developed and will be submitted as a Change Management Memo (CMM) to Valley Water's CIP process. The capital cost of the project is estimated at \$945 million. This is about the same as the larger 12 MGD facility (which produces 10 MGD purified water on average) from last year's estimate. While some costs decreased, including pipeline and source water pump station, other costs increased, such as enhanced treatment to maximize product water and stormwater management, and particularly electrical and interest rates.

Collaboration with cities and entities along the pipeline route is continuing, including the development of conditional clearance, acknowledgment letters, and encroachment agreements.

B. Public Private Partnership

Valley Water continues to provide updates on technical information available as well as updates on the

schedule as needed to the shortlisted teams.

C. Outreach

Staff continues to host public and private tours at the Silicon Valley Advanced Water Purification Center (Purification Center). In December, staff facilitated nine tours for 138 members of the public at the Purification Center. The WaterReuse Association held their December meeting at Valley Water and afterward participated in a tour of the Purification Center. The third of the tri-annual environmentally focused stakeholder meetings was hosted by Valley Water at the Silicon Valley Advanced Water Purification Center, which included a tour of the SVAWPC. The Water Supply Outreach team also hosted the City of Santa Clara's Youth Commission to raise awareness on Purified Water.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Kirsten Struve, 408-630-3138



Santa Clara Valley Water District

File No.: 24-0039

Agenda Date: 1/31/2024

Item No.: 4.3.

COMMITTEE AGENDA MEMORANDUM Recycled Water Committee

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

SUBJECT:

Receive South Santa Clara County Water Reuse Collaboration Update and Provide Feedback.

RECOMMENDATION:

Receive an update and provide feedback on South Santa Clara County Water Reuse Collaboration.

SUMMARY:

The Joint Water Resources Committee (Valley Water, City of Gilroy, City of Morgan Hill) was established by the Valley Water Board of Directors in February 2017 to advance water reuse interests in South County, which includes identifying future demand for purified and recycled water in South County and funding sources to implement South County recycled water master plans.

In 2021, the Joint Water Resources Committee recommended the establishment of a Technical Working Group (TWG) to evaluate the opportunities to advance water reuse and purified water production and distribution in South County. Since September 2021, the TWG has met monthly with technical staff from Gilroy, Morgan Hill, and Valley Water to collaboratively discuss water reuse issues. The Recycled Water Committee has received informational updates on TWG activities in December, March, and September of 2022 and in April, August, and December of 2023.

This update will present the TWG's progress toward updating the 2015 South County Recycled Water Master Plan. This includes:

1. revisions to South County water reuse infrastructure (new pipeline),
2. recycled water customer updates and their reuse potential,
3. potential for new users along the distribution system,
4. incorporation of planned future system upgrades, and
5. discussion of the opportunities and challenges to future expansion of water reuse options.

The presentation will highlight water reuse master planning for the South County system, options to provide water reuse in Morgan Hill, and recommended capital improvement projects to expand reuse in South County. The discussion will include technical feedback from our South County partners, including that received during the January 3, 2024 Joint Water Resources Committee meeting.

Lastly, staff will present the status of our United States Bureau of Reclamation (USBR) planning grant to develop a South County Recycled Water System Feasibility Study. The study will build upon the 2023 recycled water master planning work and other South County water resource planning information to expand feasibility evaluations of potential opportunities for purified water implementation in South County. An adopted feasibility study is a prerequisite to seek federal funding under the Title XVI grant program to expand future water reuse infrastructure. Staff will present the draft feasibility study to the Committee for its comment before completing the document and submitting it to USBR for its review and approval.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Kirsten Struve, 408-630-3138



Update on South Santa Clara County Water Reuse Collaboration

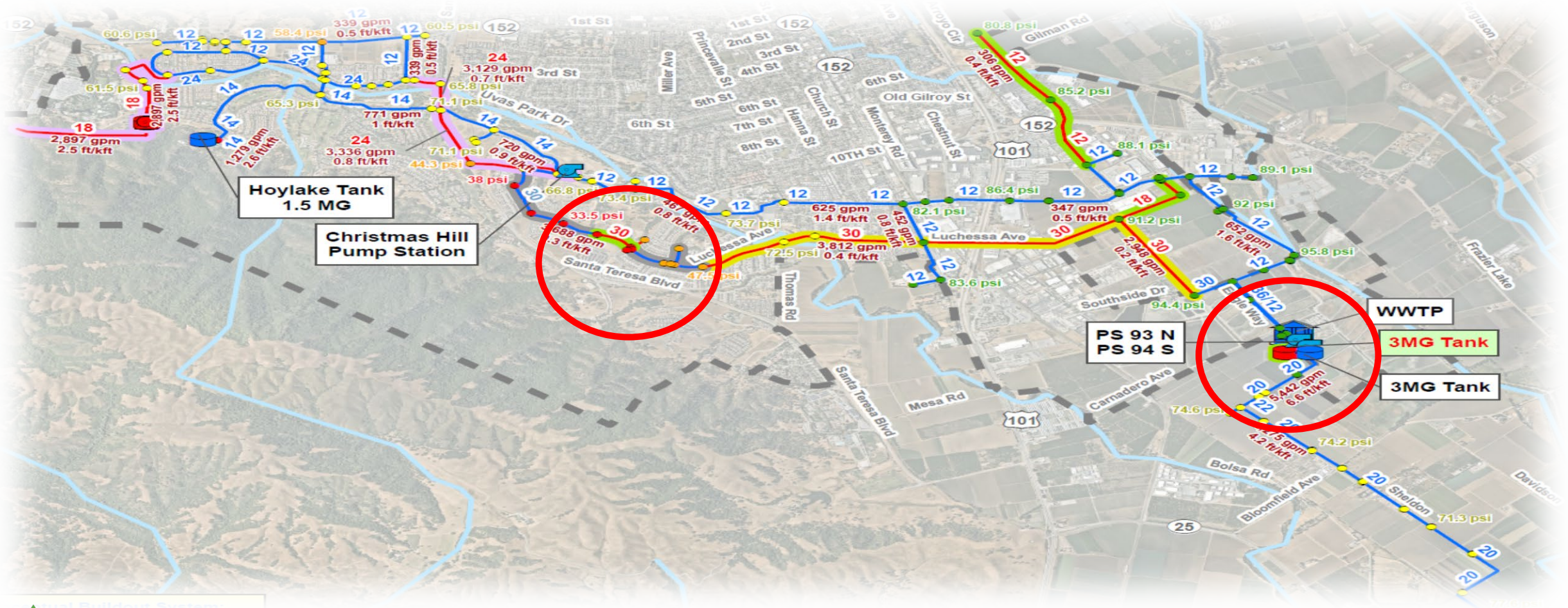
Recycled Water Committee
January 31, 2024

2023 Recycled Water Master Plan Update



- **New Infrastructure Integration**
- **Expansion Opportunities & Options**
- **Revised Capital Investment Strategy**

2023 CIP Recommendations



Water Reuse Alternatives

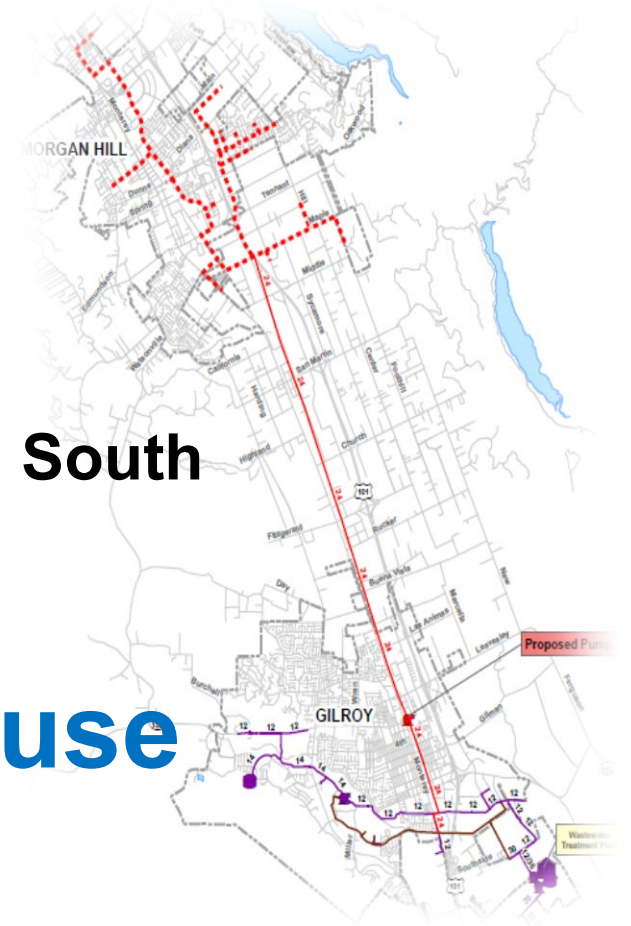
- **Non-Potable Reuse (NPR)**
 - **NPR+**
- **Indirect Potable Reuse (IPR)**
 - **Groundwater Recharge & Surface Water Augmentation**
- **Direct Potable Reuse (DPR)**
 - **Raw Water Augmentation & Treated Water Augmentation**



Morgan Hill Reuse Options

Feasible Reuse Options

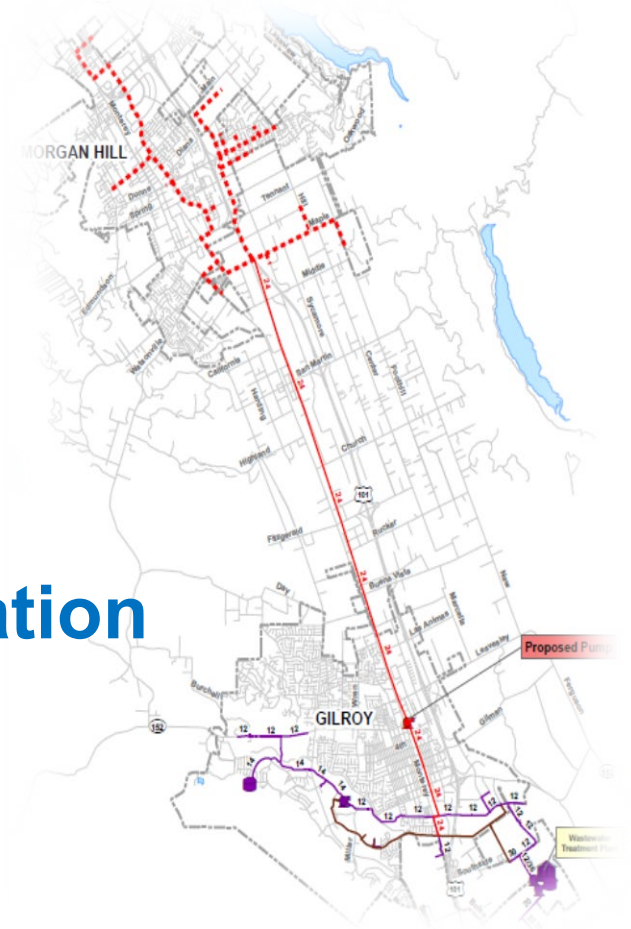
- **Source Water Alternatives**
 - Morgan Hill, South Bay Water Recycling, South County Regional Wastewater Authority
- **Non-Potable vs Potable Reuse**
 - NPR+, Purified Water



Morgan Hill Reuse Options

Feasible Reuse Options

- Direct Potable Reuse
- Non-Potable Reuse from SBWR
- Purification for Ground Water Recharge
- Purification for Surface Water Augmentation
- Recycled Water from SCRWA
- Purified Water from SCRWA



USBR Feasibility Study Grant

- **Pre-Planning & Feasibility Study**
- **Title XVI Funding**
- **NPR, IPR, and DPR**
- **Timing & Schedule**







Santa Clara Valley Water District

File No.: 24-0040

Agenda Date: 1/31/2024

Item No.: 4.4.

COMMITTEE AGENDA MEMORANDUM Recycled Water Committee

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

SUBJECT:

Receive Potential Water Reuse Goal Update Based on Water Supply Master Plan 2050 and Recommend to Valley Water's Board a Potable Reuse Goal.

RECOMMENDATION:

Receive potential water reuse goal update and recommend to Valley Water's Board a potable reuse goal of 24,000 Acre Feet per Year (AFY) by 2035 for inclusion in the Water Supply Master Plan 2050.

SUMMARY:

Santa Clara County (County) faces water supply challenges driven by reoccurring droughts, growth, increased economic activity, California's changing climate, and increasing uncertainty with our imported water supply reliability. To adapt to these increasing uncertainties and to secure a reliable, sustainable water supply for the region, the Board of Directors (Board) set a goal to promote, protect, and expand potable and non-potable reuse within the County as a means to increase regional self-reliance.

The Water Supply Master Plan (WSMP) is the Santa Clara Valley Water District's (Valley Water) guiding document for long-term water supply investments to ensure water supply reliability for County. The current WSMP was completed in 2019 and serves as a guiding document, recommending future water supply and infrastructure projects to meet anticipated water supply demands through 2040 (WSMP 2040). Valley Water staff are currently in the process of updating the WSMP to assess future water supplies and anticipated demands through 2050 (WSMP 2050).

Non-potable reuse used for landscape irrigation, agriculture, and industrial processes is already an important part of Valley Water's water supply portfolio, averaging approximately 18,000 acre-feet per year (AFY) throughout the county, recycling about 15% of wastewater in the county, and making up approximately 5% of overall countywide supply. In the WSMP 2040, staff assumed that countywide non-potable reuse would increase to approximately 33,000 by 2040 based on estimates in local recycled water master plans and Urban Water Management Plans. For the WSMP 2050 update, staff have revisited this assumption and have noted a lack of recent expansion of non-potable reuse

systems and an increased regional interest in larger potable reuse projects. For a conservative analysis of potential future water supplies, the WSMP 2050 modeling assumes that non-potable reuse will remaining relatively constant through 2050. However, Valley Water is aware that several cities have goals to increase their non-potable reuse supply and staff are tracking implementation progress for inclusion in future modeling.

WSMP 2040 assumed that an additional 24,000 AFY recycled water would be developed through a potable reuse project and would be online by 2028. As a first phase, the Board directed staff to implement the Palo Alto Purified Water Project, which would provide up to 8,000 AFY of purified water for groundwater replenishment. With the recent adoption of regulations for direct potable reuse (DPR) and renewed interest from regional recycled water partners, opportunities for developing additional potable reuse projects are available. During the December 6, 2023 Recycled Water Committee, staff presented a high-level summary of potential future wastewater flows and associated purified water production from hypothetical future purification facilities.

Given the time it will take to implement the new DPR regulations, staff is recommending developing 24,000 AFY of potable reuse but extending the timeline to 2035 for the WSMP 2050. As this project progresses and based on what we learn from it, we will evaluate the need and feasibility to expand the goal to 45,000 AFY and developing additional projects based on this expanded goal of potable reuse in the next planning cycle.

The WSMP 2050 also includes a potential project of 24,000 AFY of desalination as a back up project. The WSMP gets updated every 5 years, with annual Monitoring and Assessment Program (MAP) updates, which can include adjusting the goal as needed.

ENVIRONMENTAL JUSTICE IMPACT:

There are no Environmental Justice impacts associated with this item.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Kirsten Struve, 408-630-3138



Update on Potential Water Reuse Goal Based on Water Supply Master Plan

Recycled Water Committee

Jan. 31, 2024

Potential Wastewater Availability

2

Partner Agency	Potential Future Wastewater Available (AFY)	Potential Purified Water Production (AFY)
Palo Alto	10,000	8,000
Sunnyvale	5,600	4,800
San Jose/ Santa Clara	40,000	24,000 – 32,000
SCRWA	Fully Utilized in Summer	--
Countywide Total:	55,600	36,800 – 44,800

valleywater.org

Draft Water Reuse Targets

Water Reuse Category	Draft Targets for WSMP 2050	
	2035 (AFY)	2050 (AFY)
Non-potable Reuse	18,000	18,000
Potable Reuse	24,000 ¹	24,000 ²

- 1. Previous goal was to achieve 24,000 AFY by 2028
- 2. Potential to expand the goal to 45,000 AFY in the next planning cycle.

Recommendation

- Recommend to Valley Water's Board a potable reuse goal of 24,000 Acre-feet per Year (AFY) by 2035 for inclusion in the Water Supply Master Plan 2050



Santa Clara Valley Water District

File No.: 24-0113

Agenda Date: 1/31/2024

Item No.: 4.5.

COMMITTEE AGENDA MEMORANDUM Recycled Water Committee

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

SUBJECT:

Receive and Accept the 2024 Proposed Recycled Water Committee (RWC) Work Plan, and Provide Feedback on Upcoming Discussion Items, and the 2024 RWC Meeting Schedule.

RECOMMENDATION:

Receive and accept the 2024 Proposed RWC Work Plan, and provide feedback on upcoming discussion items and the 2024 RWC meeting schedule.

SUMMARY:

Under direction of the Clerk, Work Plans are used by all Board Committees to increase Committee efficiency, provide increased public notice of intended Committee discussions, and enable improved follow-up by staff. Work Plans are dynamic documents managed by Committee Chairs and are subject to change.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

There are no environmental justice and equity impacts associated with this item.

ATTACHMENTS:

- Attachment 1: 2023 RWC Work Plan
- Attachment 2: 2024 Proposed RWC Work Plan
- Attachment 3: 2024 RWC Meeting Schedule

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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RWC 2023 WORK PLAN

Task	Agenda Item	January	February	March	April	May	June	July	August	September	October	December
FY 23 Tactic 1: Advance the Purified Water Program by releasing an RFP for at least one locally-sponsored		CANCELED			CANCELED			RECESS				
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
1.2	Update on Public Private Partnership [P3] Procurement.		X	X		X	X				X	X
FY 23 Tactic 2: Implement the Countywide Water Reuse Master Plan.												
2.1	Implement the Countywide Water Reuse Master Plan (Core Plan)						X					
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.											
2.6	Independent Advisory Panel.						X				X	
FY 23 Tactic 3: Continue to actively be involved with Direct Potable Reuse (DPR) guidance and implement												
3.1	Actively Engage in Direct Potable Reuse								X	X		X
FY 23 Tactic 4: Develop a Comprehensive Water Reuse Agreement for South County to advance water reuse												
4.1	South Santa Clara County Water Reuse Collaboration.					X			X		X	X
FY 23 Tactic 5: Continue to monitor feasibility of desalination.												
5.1	Continue to monitor feasibility of desalination.			X							X	
Others												
6.1	Continue collaboration on the Silicon Valley Advanced 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										
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.											
6.6	Potential Amount of Wastewater for Water Reuse.					X						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 2024 WORK PLAN

Task	Agenda Item	January	February	March	April	May	June	July	August	September	October	December
FY 24 Tactic 1: Advance the Purified Water Program												
1.1	Update on Purified Water Program including Partnership with Cities of San Jose and Santa Clara - Phase I Facility and full-scale Direct Potable Reuse Facility at the Silicon Valley Advanced Water Purification Center	X	X	X	X	X	X	X	X	X	X	X
1.2	Update on Purified Water Program including Partnership with Cities of Palo Alto and Mountain View - Update on Public Private Partnership [P3]	X	X	X	X	X	X	X	X	X	X	X
FY 24 Tactic 2: Implement the Countywide Water Reuse Master Plan.												
2.1	Joint Mtg Prep/Debrief: Joint Recycled Water Policy Advisory Committee, including coordination on the Silicon Valley Advanced Water Purification Facility and building strong collaborative relationships	X		X								
2.2	Joint Mtg Prep/Debrief: Cities of Palo Alto/Mtn View.											
2.3	Joint Mtg Prep/Debrief: City of Sunnyvale.											
2.4	Update on SFPUC/BAWSCA Collaboration Efforts.											
2.5	Independent Advisory Panel.								X			
FY 24 Tactic 3: Continue to actively be involved with Direct Potable Reuse (DPR) guidance and implement actions for the future.												
3.1	Actively Engage in Direct Potable Reuse					X						X
FY 24 Tactic 4: Develop a Comprehensive Water Reuse Agreement for South County to advance water reuse and its production, distribution, and wholesaling in South County												
4.1	South Santa Clara County Water Reuse Collaboration.	X			X				X			X
FY 24 Tactic 5: Continue to monitor feasibility of desalination.												
5.1	Continue to investigate feasibility of desalination (local and regional).				X						X	
Others												
6.1	Regional discussion on options: Feasibility analysis of Recycled Water Exchange with Contra Costa Water District and Central Contra Costa Sanitary District.											
6.2	Update on Bottling Purified and water tasting station at the SVAWPC.			X								
6.3	Investigating Different Source of Water for Purification including Urban Water Runoff/Stormwater							X				
6.4	Outreach Comprehensive Efforts.										X	
6.5	Potential Water Reuse Goal based on Water Supply Master Plan	X										
6.6	State and Federal Grant opportunities			X					X			

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2024 RWC Draft Meeting Schedule

January							February							March						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6						1	2	3					1	2
7	8	9	10	11	12	13	4	5	6	7	8	9	10	3	4	5	6	7	8	9
14	15	16	17	18	19	20	11	12	13	14	15	16	17	10	11	12	13	14	15	16
21	22	23	24	25	26	27	18	19	20	21	22	23	24	17	18	19	20	21	22	23
28	29	30	31				25	26	27	28	29			24	25	26	27	28	29	30
														31						
April							May							June						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6				1	2	3	4							1
7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15
21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29
														30						
July							August							September						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
	1	2	3	4	5	6					1	2	3	1	2	3	4	5	6	7
7	8	9	10	11	12	13	4	5	6	7	8	9	10	8	9	10	11	12	13	14
14	15	16	17	18	19	20	11	12	13	14	15	16	17	15	16	17	18	19	20	21
21	22	23	24	25	26	27	18	19	20	21	22	23	24	22	23	24	25	26	27	28
28	29	30	31				25	26	27	28	29	30	31	29	30					
October							November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
		1	2	3	4	5						1	2	1	2	3	4	5	6	7
6	7	8	9	10	11	12	3	4	5	6	7	8	9	8	9	10	11	12	13	14
13	14	15	16	17	18	19	10	11	12	13	14	15	16	15	16	17	18	19	20	21
20	21	22	23	24	25	26	17	18	19	20	21	22	23	22	23	24	25	26	27	28
27	28	29	30	31			24	25	26	27	28	29	30	29	30	31				

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