



Santa Clara Valley Water District Recycled Water Committee Meeting

HQ. Bldg. Boardroom, 5700 Almaden Expressway, San Jose, California
Join Zoom Meeting: <https://valleywater.zoom.us/j/99518153521>

SPECIAL MEETING AGENDA

**Wednesday, October 30, 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
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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>

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

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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.

3. APPROVAL OF MINUTES:

- 3.1. Approval of August 28, 2024 Recycled Water Committee Minutes. [24-0919](#)

Recommendation: Approve the minutes.

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

Attachments: [Attachment 1: 082824 RWC Meeting Minutes](#)

Est. Staff Time: 5 Minutes

4. REGULAR AGENDA:

- 4.1. Receive Purified Water Program Update including Partnerships with the Cities of San Jose and Santa Clara and Provide Feedback. [24-0884](#)

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

A. Collaboration effort with cities of San José and Santa Clara on Phase I demonstration facility and full-scale direct potable reuse facility at the Silicon Valley Advanced Water Purification Center;

B. Technical Analysis and Consultant Agreements; and

C. Outreach.

Manager: Kirsten Struve, 408-630-3138

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

Est. Staff Time: 5 Minutes

- 4.2. Receive Update on Desalination Engineering Feasibility Study. [24-0886](#)

Recommendation: Receive an update on Desalination Engineering Feasibility Study.

Manager: Kirsten Struve, 408-630-3138

Est. Staff Time: 5 Minutes

- 4.3. Receive and Discuss the 2024 Recycled Water Committee (RWC) Work Plan, Potential Tours, and Provide Feedback on Upcoming Discussion Items, and Upcoming Meeting Date. [24-0914](#)

Recommendation: Receive information on the 2024 RWC Work Plan, and provide feedback on upcoming discussion items and next meeting date.

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

Attachments: [Attachment 1: 2024 Revised RWC Work Plan](#)

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 Special Meeting at 11:00 a.m., on December 13, 2024.



Santa Clara Valley Water District

File No.: 24-0919

Agenda Date: 10/30/2024

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 August 28, 2024 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:

The approval of minutes is not subject to environmental justice analysis.

ATTACHMENTS:

Attachment 1: 082824 RWC Meeting Minutes

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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For full meeting record, please review meeting videos at:
<https://www.valleywater.org/how-we-operate/committees/board-committees>

RECYCLED WATER COMMITTEE MEETING

DRAFT MINUTES

**REGULAR MEETING
WEDNESDAY, AUGUST 28, 2024
12:00 PM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

A regular 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 12:00 p.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, Gina Adriano, Karen Adriano, Hossein Ashktorab, Aaron Baker, Henry Barrientos, Lakeisha Bryant, Amy Fonseca, Alina Hare, Zachary Helsley, Brian Hopper, Girlie Jacobson, Michele King, Candice Kwok-Smith, Emelia Lamas, Nicole Merritt, Carlos Orellana, Mario Rivas, Kirsten Struve, Charlene Sun, Darin Taylor, Dave Tucker, and Zuberi White.

Public in attendance were: Molly Culton and Katja Irvin (Sierra Club), Phillippe Daniel, (Liquisti LLC.), Jan Davel (CDM Smith), Pedro Hernandez (City of San Jose), Shilpa Mehta (City of Santa Clara), and Julia Schmitt (Carollo Engineers).

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 present who wished to speak.

3. APPROVAL OF MINUTES:

3.1. Approval of July 31, 2024 Recycled Water Committee Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the July 31, 2024 Committee meeting.

It was moved by Vice Chairperson 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 the 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 on Phase 1 demonstration facility and full-scale direct potable reuse facility at the Silicon Valley Advanced Water Purification Center
- B. Technical analysis and Consultant agreements; and
- C. Outreach.

Copies of Handout 4.1-A, enclosed letter to City of San Jose Mayor Matt Mahan from Board Chairperson Hsueh was distributed to the Committee and made available to the public.

Kirsten Struve reviewed the information on this item, per the attached Committee Agenda Memo.

Kirsten Struve and Lakeisha Bryant were available to answer questions.

Public Comments:
None.

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

- The Committee confirmed a public perception poll on potable reuse is done annually and an update on the polling results will be provided at a future RWC meeting.

- 4.2. Consider the Draft Agenda for the September 4, 2024 Joint Recycled Water Policy Advisory Committee (JRWPAC) meeting with the Focus on the Expansion of the Purified and Recycled Water System and Development of a Potable Reuse Project.

Recommendation: Consider the draft agenda for the September 4th, 2024 JRWPAC meeting for review and provide feedback.

Hossein Ashktorab reviewed the information on this item, per the attached Committee Agenda Memo.

Hossein Ashktorab and Kirsten Struve were available to answer questions.

Public Comments:
None.

For full meeting record, please review meeting videos at:
<https://www.valleywater.org/how-we-operate/committees/board-committees>

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

- Director Beall noted interest in a technical study regarding recycled water options for large commercial water users like server farms, colleges, or other institutions and opportunities for retrofitting buildings for recycled water and staff confirmed these topics could be addressed during the update on the expansion of the South Bay Water Recycling system provided by the City of San Jose staff at the September 4, 2024 JRWPAC meeting.
- The Committee noted that an updated press event photo would be included in the Sept. 4, 2024 JRWPAC presentation.

4.3. Discuss the Recycled Water Goal for the Water Supply Master Plan (WSMP); and Recommend to the Valley Water Board a Potable Reuse Goal of 24,000 Acre Feet per Year (AFY) by 2035; and a Long-Term Vision to Maximize Water Reuse in the County up to 32,000 AFY, (Including Additional Potable and Non-Potable Reuse, Desalination, Stormwater Capture, and Other Alternative Water Supply Sources) for Inclusion in the WSMP 2050.

Recommendation: Recommend to the Valley Water Board a potable reuse goal of 24,000 AFY by 2035 and a long-term vision to maximize water reuse in the county up to 32,000 AFY, (including additional potable and non-potable reuse, desalination, stormwater capture, and other alternative water supply sources) for inclusion in the WSMP 2050.

Kirsten Struve reviewed the information on this item, per the attached Committee Agenda Memo, and per the information contained in Attachment 3.

Kirsten Struve was available to answer questions.

Public Comments:

Katja Irvin expressed a different perspective to the findings reflecting no sufficient conveyance, demand, or storage for 24,000 AFY during normal and wet years to utilize the water and noted support of reducing imported water.

Kirsten Struve confirmed that staff are continuing to review options to optimize and balance having a resilient water supply and affordable water rates; and noted that imported water expenses and securing operational flexibility for water storage may be more cost effective than the purified recycled water due to the high purified water project costs; and there are no current potable reuse agreements except with the City of Palo Alto at this time.

The Committee received the information, and noted the following:

- The Committee confirmed that the Water Supply Master Plan is updated every 5 years.
- Director Beall noted support for a larger potable reuse goal than staff's recommendation, reviewing strategies for a cost-effective water reuse program over desalination and imported water, and including the City of Palo Alto in potential project options.
- Vice Chairperson Santos noted being comfortable with staff's

For full meeting record, please review meeting videos at:
<https://www.valleywater.org/how-we-operate/committees/board-committees>

recommendation per increasing costs and support for continuing to evaluate the potable reuse goal along the way and continuing education and agreements to increase the potable reuse goal in the future.

- Chairperson Estremera noted support for keeping the potable reuse goal realistic for success with the intent to increase in the future, and the potential of collaboration on recycled water goals with other cities if they are interested.

It was moved by Vice Chairperson Santos and seconded by Chairperson Estremera and carried by majority vote that the following recommendation be approved. Director Beall voted in opposition to this item and the WSMP planning.

Recommendation: Recommend to the Valley Water Board a potable reuse goal of 24,000 AFY by 2035 and a long-term vision to maximize water reuse in the county up to 32,000 AFY, (including additional potable and non-potable reuse, desalination, stormwater capture, and other alternative water supply sources) for inclusion in the WSMP 2050.

- 4.4. Receive and Discuss the 2024 Recycled Water Committee (RWC) Work Plan, And Provide Feedback on Upcoming Discussion Items, and Upcoming Meeting Date.

Recommendation: Receive information on the 2024 RWC Work Plan, and provide feedback on upcoming discussion items and next meeting date.

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 Comment:
None.

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

- The Committee confirmed support of canceling the September 25, 2024 RWC meeting and noted the October 30, 2024 RWC meeting may be rescheduled per conflict with the October RWC tour.

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.

Nicole Merritt confirmed the Committee approved by majority vote the recycled water goal agenda item for the WSMP for Board consideration under Item 4.3.

For full meeting record, please review meeting videos at:
<https://www.valleywater.org/how-we-operate/committees/board-committees>

6. Adjourn:

- 6.1. Adjourn to Regular Meeting at 12:00 p.m, on September 25, 2024.

Chairperson Estremera adjourned the meeting at 12:40 p.m., to the regular meeting at 12:00 p.m. on October 30, 2024, per the cancellation of the September 25, 2024 meeting.

Nicole Merritt
Assistant Deputy Clerk II

Date Approved:

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Santa Clara Valley Water District

File No.: 24-0884

Agenda Date: 10/30/2024

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 Partnerships with the 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 cities of San José and Santa Clara on Phase I demonstration facility and full-scale direct potable reuse facility at the Silicon Valley Advanced Water Purification Center;
- B. Technical Analysis and Consultant Agreements; and
- C. Outreach.

SUMMARY:

A. Collaboration effort with Cities

Santa Clara Valley Water District (Valley Water) and the Cities of San José and Santa Clara have completed their respective staff funding agreements. The San José staff funding agreement was approved by the City of San Jose on September 13, 2024, and by Valley Water on September 28, 2024. Reporting and invoicing for San Jose reimbursements will commence quarterly. The Santa Clara City Council approved their staff funding agreement on September 24, 2024, and this agreement will next be routing for execution at Valley Water once approved by the Santa Clara City Manager. As a result of these dedicated municipal personnel, staff from the cities and Valley Water are making progress on developing the Direct Potable Reuse (DPR) demonstration facility.

Staff from the City and Valley Water are continuing to collaborate with the San Francisco Bay Regional Water Quality Control Board on a strategy for Reverse Osmosis Concentrate (ROC) management that is effective and protective of the environment. The Regional Water Board provided a letter of concurrence on September 13, 2024 (Attachment 1) that presents a potential roadmap for regulatory compliance for the management of reverse osmosis concentrate in the future. The Regional Water Board communicated that concentrate management was feasible when

supported by technical studies to address nutrient discharge and to preserve beneficial uses of the South Bay. In addition, they suggested the long-term management would need to include nature-based solutions or an advance treatment option to reduce contaminant loads to the South Bay.

Staff from Valley Water and the Cities of San José and Santa Clara held a workshop with staff from the San Francisco Public Utilities Commission to discuss developing a partnership charter for the Purified Water Project (PWP) on September 25, 2024. All agencies are interested in partnering on a purified water project.

B. Technical Analysis and Consultant Agreements; and

Valley Water is continuing to make progress on contract amendments with CDM Smith the Project Management Company for the PWP to provide project management services related to the San Jose Purified Water Project (SJPWP) as well as Environmental Science Associates (ESA) for CEQA assistance. The agreements are being amended to reflect changes to the PWP as directed by the Board of Directors at the February 27, 2024, meeting when the Palo Alto PWP was placed on the CIP unfunded list. The amendment will reflect the necessary changes to focus efforts on the SJPWP including both the Phase I San Jose Direct Potable Reuse (DPR) demonstration facility and initial planning of the future full-scale DPR facility. Staff updated the CIP committee on these two agreements.

Specific progress includes developing approaches to expedite the timeline with the use of a phased approach starting with a smaller pilot scale DPR facility to develop data required to meet DPR regulations sooner and then developing the demonstration facility and learning center.

On October 1, 2024, the DPR regulations went into effect.

C. Outreach.

General purified water public outreach - Staff continues to conduct tours and outreach initiatives to build support for potable reuse, which includes:

- *Public Tour Program* - In August and September, 209 members of the public visited the Silicon Valley Advanced Water Purification Center (SVAWPC). This included a tour for 73 young adults from Friends of Children with Special Needs, an organization dedicated to providing services to individuals with special needs.
- *Demonstration Water Bottle Distribution* - Staff continues to share the bottled demonstration water for public outreach and education as part of the tour program. In August and September, 792 bottles of demonstration water were distributed to members of the public, industry professionals and other water agencies. The bottles were also distributed at the WaterReuse conference.
- *Public Perception Poll* - A polling consultant conducted this year's poll to gauge public perception on water reuse and using purified water for drinking water purposes. Results are

planned to be shared at the November meeting.

Outreach coordination with San José and Santa Clara partners - As part of the Phase 1 San Jose DPR demonstration facility, staff is also planning to coordinate outreach efforts with the cities of San José and Santa Clara and other regional partners. A SVAWPC tour is planned in early October for City of San José staff working on the project.

Learning Center development - A learning center is being planned as part of the Phase 1 San José DPR demonstration facility. Staff conducted benchmarking with other water agencies to collect information about best practices and lessons learned from developing a learning center about water and water reuse. As part of the benchmarking, staff attended the WateReuse California Conference in September and conducted site visits of the Water Replenishment District's Albert Robles Center, PureWater Southern California's Innovation Center and Orange County Water District. Staff will utilize the benchmarking information to determine the specifications for a learning center and sequencing with the phases of planning, design and construction.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

There are no environmental justice and equity impacts associated with this item. This action is unlikely to or will not result in adverse impacts and is not associated with an equity opportunity.

ATTACHMENTS:

Attachment 1: Letter of Concurrence

UNCLASSIFIED MANAGER:

Kirsten Struve, 408-630-3138

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September 13, 2024

Santa Clara Valley Water District
Attn: Kirsten Struve, Assistant Officer
Recycled and Purified Water Unit
5750 Almaden Expressway, San José CA 95118
Sent electronically to kstruve@valleywater.org

City of San José
Attn: Jeff Provenzano, Assistant Director
Environmental Services Department
200 East Santa Clara Street, 10th Floor Tower, San José, CA 95113
Sent electronically to Jeffrey.Provenzano@sanjoseca.gov

Subject: Concurrence with Proposed Regulatory Process for Discharge of Reverse Osmosis Concentrate from an Advanced Water Purification Facility in San José

Dear Kirsten and Jeff:

We recognize the progress that the Santa Clara Valley Water District (Valley Water) and the cities of San José and Santa Clara have demonstrated to address the need for a resilient and local water supply through collaboration on recycled water projects in San José.

During an April 25, 2024, meeting of the Water Board, City of San José, and Valley Water, Valley Water staff communicated their agency's intention to construct an Advanced Water Purification Facility with a production capacity of 24 million gallons per day in San José, pending negotiations with the cities. The facility will be designed and operated based on the regulatory requirements of the California Code of Regulations, Title 22, section 4.17.10, and is planned to be located next to the existing Silicon Valley Advanced Water Purification Center. It would receive tertiary treated wastewater from the San José/Santa Clara Regional Wastewater Facility (RWF) as its feedwater. Valley Water is evaluating the feasibility of initially discharging reverse osmosis concentrate via blending with RWF effluent. To minimize impacts to the Lower South Bay as concentrate flow increases and remaining RWF effluent flow decreases, Valley Water plans to provide additional treatment with nature-based solutions (NBS) or other advanced treatment technologies.

We appreciate Valley Water's efforts to explore alternatives for managing reverse osmosis concentrate, including its commitment to evaluate NBS and other potential treatment measures. We offer the following comments on the proposed plan:

1. Based on the information and analysis shared to date, the concentrate discharge through the RWF outfall and Artesian Slough may be feasible in the short term, assuming relatively low concentrate volumes. We will need to see evaluations of the expected combined effluent concentrations and potential mixing zones. In the long term or at higher concentrate volumes, the compliance strategy will need to include NBS or an advanced treatment option to reduce the loads of nutrient and contaminants of emerging concern.
2. Future compliance with the RWF's NPDES permit may be achievable if permit modifications (e.g., changes to mixing zones) are supported by technical studies with concurrence from the Water Board. We anticipate the need for continued dialogue regarding nutrient

discharges and additional management practices to ensure compliance with foreseeable effluent limits and preservation of existing beneficial uses of the Lower South Bay, Coyote Creek, and Artesian Slough.

3. The technical studies supporting concentrate management and other supporting information should be included with a future City of San José application for permit reissuance. We understand that Valley Water will conduct technical studies in coordination with the City of San José. These studies must include a reasonable potential analysis, hydrodynamic modeling for concentrate discharge, toxicity evaluations, and nutrient load projections. The application must also include a justification for continuing the RWF's exceptions to the shallow water and dead-end slough discharge prohibitions in [Basin Plan Table 4-1](#).
4. The Water Board expects Valley Water to continue exploring NBS and other advanced concentrate treatment options as compliance strategies for concentrate management. Many of these treatment methods have multiple benefits. For example, horizontal levees have been shown to remove nutrients and other emerging contaminants while providing protection against sea level rise. We expect Valley Water to conduct additional technical studies to inform and assess the effectiveness of concentrate management while preserving the beneficial uses of the Lower South Bay, Coyote Creek, and Artesian Slough.

We appreciate the opportunity to work with Valley Water and the cities of San José and Santa Clara on this project. If you have any questions, please contact William Burrell at (510) 622-2317 or william.burrell@waterboards.ca.gov.

Sincerely,



Bill Johnson
Chief, NPDES Wastewater Division

cc: David Tucker, Valley Water, dtucker@valleywater.org
Eric Dunlavey, City of San José, eric.dunlavey@sanjoseca.gov



Santa Clara Valley Water District

File No.: 24-0886

Agenda Date: 10/30/2024

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 Update on Desalination Engineering Feasibility Study.

RECOMMENDATION:

Receive an update on Desalination Engineering Feasibility Study.

SUMMARY:

On July 9, 2024, the Santa Clara Valley Water District (Valley Water) Board of Directors approved Agreement A5050A with Black and Veatch Corporation (Consultant) to complete a Desalination Engineering Feasibility Study (EFS).

Following the issuance of notice to proceed, on July 31, 2024, Staff and Consultant began initial data gathering including previous desalination studies, groundwater modeling data, water quality data, well information, and more. The previously completed preliminary desktop environmental analysis serves as a basis for this technical study. This engineering feasibility study will include:

- A fatal flaw analysis of alternatives identified in the preliminary environmental analysis, including an evaluation of the use of subsurface intakes, reverse osmosis concentrate (ROC) management strategies, and facility siting.
- Options that pass the fatal analysis will be further developed as part of the alternatives analysis, which will evaluate suitable treatment processes for meeting water quality needs, evaluate locations and size of intake and discharge infrastructure, further define ROC management options, identify connections to Valley Water's treated water distribution system, develop probable cost estimates, and evaluate potential greenhouse gas emissions and energy usage.

As part of the initial fatal flaw analysis for this study, Valley Water is planning to meet with the San Francisco Bay Regional Water Quality Control Board and Bay Conservation and Development Commission who would be two of several regulatory agencies that would approve any future desalination project. The purpose of this meeting is to present the scope of work and gather their feedback and input. This will assist us to better understand the regulatory components related to

permitting processes for a desalination facility in the South Bay.

Staff have also met with the Midpeninsula Open Space District who have a project planned in the vicinity of one of the potential sites for a desalination facility. Valley Water has also worked with the Consultant to plan efforts to engage environmental and community stakeholders to obtain feedback.

Draft results of the feasibility study are planned for presentation to the Committee in the first quarter of 2025.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

There are no environmental justice and equity impacts associated with this item. This action is unlikely to or will not result in adverse impacts and is not associated with an equity opportunity.

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Kirsten Struve, 408-630-3138



Santa Clara Valley Water District

File No.: 24-0914

Agenda Date: 10/30/2024

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 and Discuss the 2024 Recycled Water Committee (RWC) Work Plan, Potential Tours, and Provide Feedback on Upcoming Discussion Items, and Upcoming Meeting Date.

RECOMMENDATION:

Receive information on the 2024 RWC Work Plan, and provide feedback on upcoming discussion items and next meeting date.

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.

At the March 27, 2024 meeting, the Committee approved the 2024 work plan that has agenda items necessary for the continuation of the recycled water projects. An updated 2024 work plan (Attachment 1) proposes changes for the remaining meetings in the year.

Staff solicits Committee feedback on any additional timeline information for holding discussions on the assigned Work Plan items, confirmation of the next meeting dates, and would like to request canceling the June 2024 meeting.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

The review and acceptance of the RWC Work Plan and meeting schedule are not subject to environmental justice analysis.

File No.: 24-0914

Agenda Date: 10/30/2024
Item No.: 4.3.

ATTACHMENTS:

Attachment 1: 2024 Revised RWC Work Plan

UNCLASSIFIED MANAGER:

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RWC 2024 WORK PLAN

Task	Agenda Item	January	February	March	April	May	June	July	August	September	October	Nov./Dec.
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
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					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.											
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
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											
6.4	Outreach Comprehensive Efforts.											X
6.5	Potential Water Reuse Goal based on Water Supply Master Plan	X		X				X	X			
6.6	State and Federal Grant opportunities					X						

*Blue strikes - items added on updated work plan

*Red strikes - items deleted from current work plan

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