



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

**Tuesday, April 29, 2025
12:30 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 P. Santos - District 3, Vice Chair
Jim Beall - District 4, Member

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

Tuesday, April 29, 2025

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Expressway, San Jose, California
Join Zoom Meeting:
<https://valleywater.zoom.us/j/99518153521>

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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 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>

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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. APPROVAL OF MINUTES:

3.1. Approval of February 26, 2025 Recycled Water Committee Minutes.

25-0367

Recommendation: Approve the minutes

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

Attachments: [Attachment 1: 02262025 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.

25-0221

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

- A. Phase I Facility and Full-Scale Direct Potable Reuse (DPR) Facility at the Silicon Valley Advanced Water Purification Center, including status of agreements
- B. DPR Engagement Efforts; and
- C. Ongoing Outreach Activities

Manager: Kirsten Struve, 408-630-3138

Est. Staff Time: 5 Minutes

4.2. Receive Information on Investigating Different Sources of Water for Purification Including Urban Runoff and the Stormwater Study with Stanford University and Provide Feedback.

25-0134

Recommendation: Receive Information on Investigating Different Sources of Water for Purification Including Urban Runoff and the Stormwater Study with Stanford University and Provide Feedback.

Manager: Kirsten Struve, 408-630-3138

Attachments: [Attachment 1: PowerPoint](#)

Est. Staff Time: 10 Minutes

4.3. Consider the Draft Agenda for the May 23, 2025, Joint Recycled Water Policy Advisory Committee (JRWPAC) for Review Which Includes Coordination on the Silicon Valley Advanced Water Purification Center (SVAWPC) and Building Relationships With the Cities of San Jose and Santa Clara; and Provide Feedback.

25-0239

Recommendation: Consider the draft agenda for the May 23, 2025, JRWPAC for review, which includes coordination on the SVAWPC and building strong collaborative relationships with San Jose and Santa Clara; and provide feedback.

Manager: Kirsten Struve, 408-630-3138

Est. Staff Time: 5 Minutes

4.4. Receive Information on the National Water Research Institute Independent Advisory Panel for the Purified Water Project. [25-0240](#)

Recommendation: Receive information on the 8th meeting of the Independent Advisory Panel for evaluation of Santa Clara Valley Water District's Purified Water Program and related efforts.

Manager: Kirsten Struve, 408-630-3138

Attachments: [Attachment 1: Independent Advisory Panel Bios](#)

Est. Staff Time: 5 Minutes

4.5. Receive and Discuss the 2025 Recycled Water Committee (RWC) Work Plan, and Provide Feedback on Upcoming Discussion Items, and the next meeting date. [25-0366](#)

Recommendation: Receive and discuss the 2025 RWC Work Plan and provide feedback on upcoming discussion items and the next meeting date.

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

Attachments: [Attachment 1: 2025 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. The Next Regular Meeting is Scheduled at 12:00 p.m., on May 28, 2025.

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Santa Clara Valley Water District

File No.: 25-0367

Agenda Date: 4/29/2025

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 February 26, 2025 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: 02262025 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, FEBRUARY 26, 2025
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, and District 3 Vice Chairperson Richard P. Santos, constituting a quorum of the Committee.

The Board Member in attendance via Zoom utilizing AB 2449 due to illness was District 6 Director Tony Estremera.

Nicole Merritt requested that Director Estremera state for the record if there are any individuals over 18 years of age present in the room, and if so, state the general relationship to the individual and confirmed that all votes for the meeting would be roll call votes in compliance with AB 2449.

Director Estremera confirmed there were no individuals over the age of 18 present in the room.

Staff members in attendance were: Antonio Alfaro, Brandon Adriano, Gina Adriano, Karen Adriano, Hossein Ashktorab, Aaron Baker, Jiana Escobar, Walter Gonzalez, Brian Hopper, Girlie Jacobson, Emelia Lamas, Francesca Lomotan, Marta Lugo, Melissa Mendolla, Nicole Merritt, Carlos Orellana, Jimmy Qiu, Stephanie Simunic, Medi Sinaki, Kirsten Struve, Darin Taylor, Dave Tucker, Zoe Vulpe, Kristen Yasukawa, and Beckie Zisser.

Public in attendance were: Jan Davel (CDM Smith), Phillippe Daniel, (Liquisti LLC), Tom Hall (EOA, Inc.), Pedro Hernandez (City of San Jose), Katja Irvin (Sierra Club), Arthur Keller (Minerva Consulting), Darwin Lasat (South Bay Water Recycling), and Eileen McLaughlin (Citizens Committee to Complete the Refuge).

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.

2.1. Election of 2025 Recycled Water Committee (RWC) Chairperson and Vice Chairperson.

Recommendation: Nominate and elect the 2025 RWC Chairperson and Vice Chairperson.

Public Comments:

None.

It was moved by Vice Chairperson Santos for Director Estremera to remain Chairperson, and amended and seconded by Director Beall, and unanimously carried that Chairperson Estremera remain Chairperson and Vice Chairperson Santos remain Vice Chairperson by roll call vote.

3. APPROVAL OF MINUTES:

3.1. Approval of December 13, 2024 Recycled Water Committee Meeting Minutes.

Recommendation: Approve the minutes.

The Committee considered the attached minutes of the December 13, 2024 Committee meeting.

It was moved by Vice Chairperson Santos and seconded by Director Beall, and unanimously carried that the minutes be approved by roll call vote.

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 on the following topics:

- A. Update on Phase I Facility and full-scale direct potable reuse (DPR) facility at the Silicon Valley Advanced Water Purification Center
- B. DPR Engagement Efforts; and
- C. Ongoing Outreach Activities.

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

Kirsten Struve was available to answer questions.

Public Comments:

None.

The Committee received the information, took no formal action, and without discussion noted the update on the collaborative agreement amendment

development to support the Phase I Facility and the framework development for the full-scale direct potable reuse (DPR) facility at the Silicon Valley Advanced Water Purification Center, and the ongoing DPR engagement efforts, and outreach activities.

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

Recommendation: Receive an update and provide feedback on South County water reuse collaboration and implementation.

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

Dave Tucker and Kirsten Struve were available to answer questions.

Public Comments:
None.

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

- The Committee noted the update on the South County feasibility and master planning processes and the recycled water (Phase 1C) pipeline segment.
- The Committee noted the newly elected City of Gilroy Mayor Bozzo and confirmed the continued partnership with the South County Regional Wastewater Authority (SCRWA) and the technical staff for the Cities of Morgan Hill and Gilroy.
- The Committee noted support for South County paying their fair share.

4.3. Receive the Desalination Engineering Feasibility Study (EFS) Update.

Recommendation: Receive an update on the Desalination EFS.

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

Hossein Ashktorab was available to answer questions.

Public Comments:
Eileen McLaughlin expressed thankfulness to Kirsten Struve and team for organizing a meeting that explained the overview process of the study and answered questions.

The Committee received the information, took no formal action, and without discussion noted the update on the continued efforts for engaging and receiving feedback from the environmental and community stakeholders.

4.4. Receive and Accept the 2025 Proposed Recycled Water Committee (RWC) Work Plan, and Provide Feedback on Upcoming Discussion Items, and the 2025 RWC Meeting Schedule.

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

Recommendation: Receive and accept the 2025 proposed RWC Work Plan, and provide feedback on upcoming discussion items and the 2025 RWC meeting schedule.

Kirsten Struve reviewed the information on this item, per the attached Committee Agenda Memo, and per the information contained in Attachments 1 - 3.

Kirsten Struve was available to answer questions.

Public Comment:

None.

The Committee received the information, took no formal action, and noted acceptance of the 2025 proposed RWC Work Plan and meeting schedule.

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 officially approved for Director Estremera to remain the Chairperson and Director Santos to remain Vice Chairperson for 2025 under Item 2.1; and received and noted updates for the Purified Water Program, the South Santa Clara County Reuse Collaboration, the Desalination EFS, and acceptance of the 2025 RWC Work Plan and meeting schedule under Items 4.1 - 4.4.

6. Adjourn:

6.1. Adjourn. The Next Regular Meeting is Scheduled at 12:00 p.m. on March 26, 2025.

Chairperson Estremera adjourned the meeting at 12:25 p.m. The next regular meeting on March 26, 2025 was subsequently canceled along with the regular meeting on April 23, 2025. The next special meeting is scheduled to occur at 12:30 p.m. on April 29, 2025.

Nicole Merritt
Assistant Deputy Clerk II

Date Approved:



Santa Clara Valley Water District

File No.: 25-0221

Agenda Date: 4/29/2025

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. Phase I Facility and Full-Scale Direct Potable Reuse (DPR) Facility at the Silicon Valley Advanced Water Purification Center, including status of agreements
- B. DPR Engagement Efforts; and
- C. Ongoing Outreach Activities

SUMMARY:

A. Update on Phase I Facility and Full-Scale Direct Potable Reuse (DPR) Facility at the Silicon Valley Advanced Water Purification Center

Staff from the Santa Clara Valley Water District (Valley Water) and the Cities of San José and Santa Clara continue to meet on a regular basis to work on various elements of the DPR Demonstration facility. Collaborative work includes amendments to the existing agreements that govern the Silicon Valley Advanced Water Purification Center (SVAWPC), technical items related to source water, management of the Reverse Osmosis Concentrate, permitting, and site development and planning. Amending the existing agreements is progressing to support the Phase 1 demonstration facility. In addition, staff are meeting regularly to develop a charter framework for the full-scale facility.

In August 2024, Valley Water initiated the procurement process to select a technical consultant to provide multi-year support to promote state and federal grant and loan applications. Staff has been working to procure engineering consultant assistance to develop a San Jose DPR project feasibility study and provide future grant application support for the design and construction of a full-scale project. The San José-Santa Clara Purified Water Program Feasibility Study cost was previously estimated at \$1,524,996 and was recently funded with \$381,249 by the Bureau of Reclamation. Preparation of a feasibility study is a prerequisite for obtaining design and construction grants in the future with the Cities and Valley Water committed to work together on its development.

Amending agreements related to the SVAWPC to enable the Phase 1 project has required more time than originally anticipated. As such, the schedule for the Phase 1 demonstration facility is extended into 2031. However, this schedule change may not have a significant impact on the completion timeline for the Full-Scale DPR because development of a pilot in the existing footprint of the SVAWPC will be prioritized to expedite data and technical information for treatment process validations to inform the Full-Scale Facility design and obtain regulatory permits.

Staff from the Cities and Valley Water have been working to develop and amend the following agreements:

1. Integration Agreement: Amendment to include the demonstration facility, extend the term, update termination clauses, and update financial terms.
2. Operations and Maintenance Agreement: Amendment to include operation and maintenance of the demonstration facility, which will provide additional flow for blending with recycled water.
3. Option to Lease and Amended Lease: The Option to Lease agreement would set aside 2 acres of land for the learning center/demonstration facility and will address the changes envisioned by the Microsoft project such as, moving the existing visitor trailer. The Amended Lease agreement would include the additional areas and facilities and extend the term.

Staff anticipates providing additional details at the Joint Recycled Water Policy Advisory Committee in May 2025 and plan for adoption by the Board and Councils in June 2025.

B. DPR Engagement Efforts

As part of the continuous efforts to keep the regulatory entities informed about the project, Valley Water began a series of meetings with the Division of Drinking Water (DDW) to develop the demonstration facility in January 2025.

C. Ongoing Outreach Activities

General Purified Water Outreach - Staff continues to conduct tours of the SVAWPC and outreach initiatives to build support for potable reuse, which include:

- Purified Water Tour Program - In February and March, 434 visitors toured the SVAWPC, which included the Valley Water New Hire Fun Bus and PureWater Peninsula Parties.
- Demonstration Water Bottle Distribution - In February and March, 577 purified demonstration water bottles were distributed.
- Tailored Outreach Initiatives - Based on the results of the latest public perception poll, staff is conducting tailored outreach to reach older adults, ages 50 and over, and medical professionals, including those that serve vulnerable communities. Staff is working on the Committee's requests to outreach to school superintendents and members of the court as part of overall outreach efforts. In February and March, staff presented to the chief business officers representing all school districts in Santa Clara County and reached out to the Santa Clara County Bar Association.
- Women's History Month - In March, social media posts highlighting the contributions of incredible women working on Valley Water's purified water efforts were posted. Additionally, commemorative Women's History Month - Purified Water stickers and buttons were created and distributed, including at tours at the SVAWPC and at the Silicon Valley

Women in Engineering Conference.

Outreach Coordination with San José and Santa Clara Partners - Staff continues to build relationships with the newly appointed City of San José staff working on the Purified Water Project. In March, staff partnered with City of San José staff to conduct a joint presentation on purified water for Evergreen Valley College students at the San José-Santa Clara Regional Wastewater Facility.

Outreach Coordination with Regional Water Industry Partners - Staff will host a regional meeting with water industry partners in April. The purpose of the meeting is to discuss the potential to coordinate educational messaging for potable reuse.

Learning Center Development - Staff continues to work with the Purified Water Project team on the specifications for a learning center that will be part of Phase 1 of the demonstration facility. In March and April, staff continued benchmarking and research with the Palo Alto Junior Museum and Zoo and The Tech Interactive. The information learned will be incorporated into Valley Water's approach to the Learning Center development.

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

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Santa Clara Valley Water District

File No.: 25-0134

Agenda Date: 4/29/2025

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 Information on Investigating Different Sources of Water for Purification Including Urban Runoff and the Stormwater Study with Stanford University and Provide Feedback.

RECOMMENDATION:

Receive Information on Investigating Different Sources of Water for Purification Including Urban Runoff and the Stormwater Study with Stanford University and Provide Feedback.

SUMMARY:

In August 2018, Valley Water, in partnership with Stanford University, initiated a two-phased project to evaluate alternatives for stormwater capture for water reuse purposes and considerations for feasibility and cost analysis, specifically analyzing whether it would be feasible to use Coyote Creek storm flows as an additional water source. This work is preliminary and not included in the Water Supply Master Plan 2050 (WSMP) evaluation. In contrast, drought resilient supply such as potable reuse and desalination are included in the WSMP evaluation. Stormwater capture on agricultural and open space lands is included in the water conservation 2040 goal.

In September 2022, the project team (Stanford and Valley Water) led by Stanford presented preliminary findings from the November 2021 through July 2022 Coyote Creek water quality sampling to the Recycled Water Committee (RWC). Thereafter, from September 2022 through March 2023, the team conducted an additional eight rounds of sampling and analyzed water quality parameters including conventional, organic, and emerging constituents from the National Primary Drinking Water Regulations (NPDWR) and the Priority Pollutant List. During the sampling events, many of these constituents were not detected in Coyote Creek or were present at levels far below safe drinking water standards. The results indicated presence of perfluorochemicals PFOS and PFOA, which may require additional analysis and consideration regarding potential treatment and use for recharge. This report provides an update on the additional sampling conducted.

Moving forward, Valley Water Staff and Stanford University project team members will synthesize findings from the sampling at Coyote Creek to further evaluate water quality and seasonality and consider these results in the context of potential treatment needs for creek storm flow. These results

could be used to further inform the feasibility of capture and reuse of storm flows. Special interest would be placed on wet weather flows and how water quality compares to dry weather conditions. The pertinent work will involve additional sampling of Coyote Creek for PFAS, bench/pilot scale studies to evaluate treatment efficacies for PFAS removal, and desktop assessment of runoff use alternatives such as Groundwater Recharge or other forms of reuse.

Stanford Team members have pursued academic discussions with some of the regulatory agencies such as the Regional Water Quality Control Board. These have yielded encouraging feedback on the ecological feasibility of centralized stormwater capture, which sets the stage for future investigation of issues related to regulations, laws, and water rights pertinent to aquatic and other wildlife resources. However, given the complex nature of the regulatory and environmental implications, further discussions and developing a better understanding of the associated issues would be needed. It is Valley Water's understanding that new diversions from Coyote Creek would be very challenging to permit.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

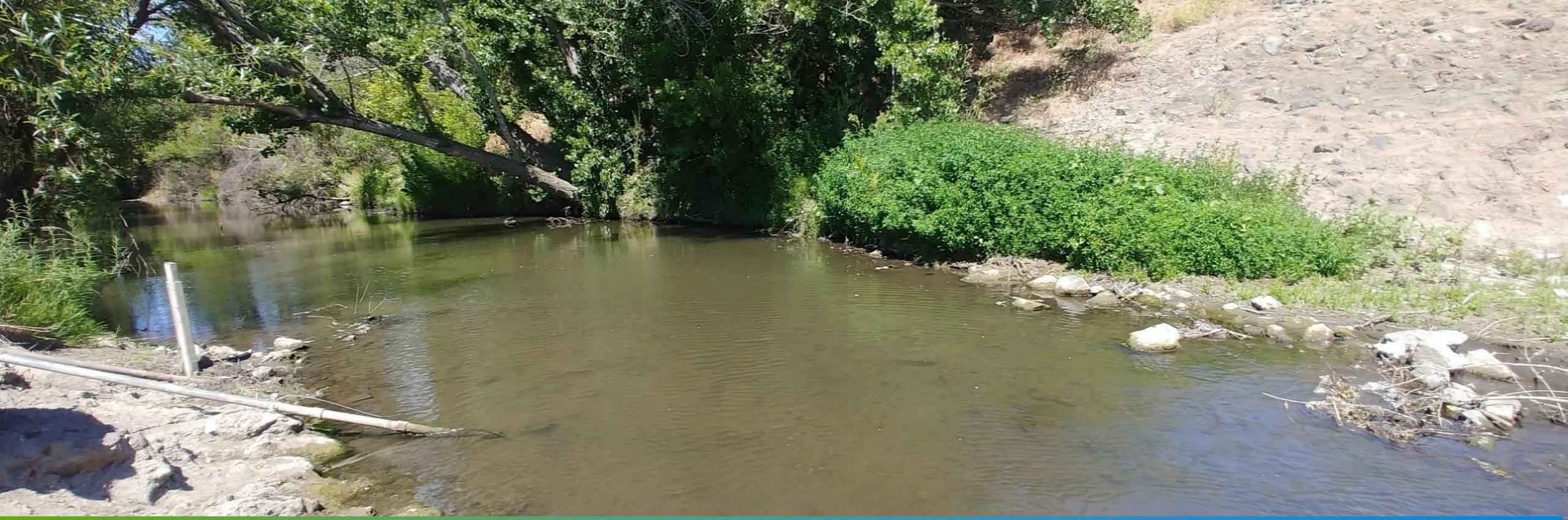
There are no environmental justice and equity impacts associated with this item. This action is unlikely to or will not result in adverse impacts and is not associated with an equity opportunity.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Kirsten Struve, 408-630-3138



Storm Flow Capture, Treatment, & Recharge

Recycled Water Committee
April 29, 2025

Richard G. Luthy & Yeo-Myoung Cho
Stanford University



Can Storm Flows Contribute to Water Supply?

2

- Prior work recap
 - 2018 Coyote Creek modeling indicated that ~10,000 AFY could be harvested
 - Centralized storm flow capture, treatment & recharge offers significant quantities compared to other stormwater use options



Google Earth



Water Quality

3

- Prior work recap
- Conducted 8 sampling events since Nov. 2021
- Types of contaminants tested:
 - Basic water quality parameters
 - Organic compounds
 - Pesticides and herbicides
 - Heavy metals
 - Perfluorochemicals



Sample collection (March 2, 2023)



Water Quality: Preliminary Findings

4



September 22, 2022

- **Heavy metal constituents** satisfy safe drinking water levels
7 detected at very low levels
- **Trace organics** may need treatment
Only a few compounds detected at low levels
- **PFAS compounds** likely need treatment
Detected near/above CA notification levels
 - PFOS: up to 18 ppt
 - PFOA: up to 24 ppt

	PFOA	PFOS
EPA Drinking Water	4.0 ppt	4.0 ppt
CA Notification Level	5.1 ppt	6.5 ppt
CA Response Level	10 ppt	40 ppt



Ecological Flows

5

- Prior work recap
- Stanford Team initiated ecological discussions with resource management professionals
- Concept met with interest and encouragement
- Recognition that storm flow capture offers unique co-benefits



**NOAA
FISHERIES**





Stanford Laboratory Treatment Studies

- PFAS removal
- Activated carbon and ion exchange resin combinations
- Varied level of dissolved organic carbon
- Simulated runoff



Chandler Brown



Stanford stormwater collection facility

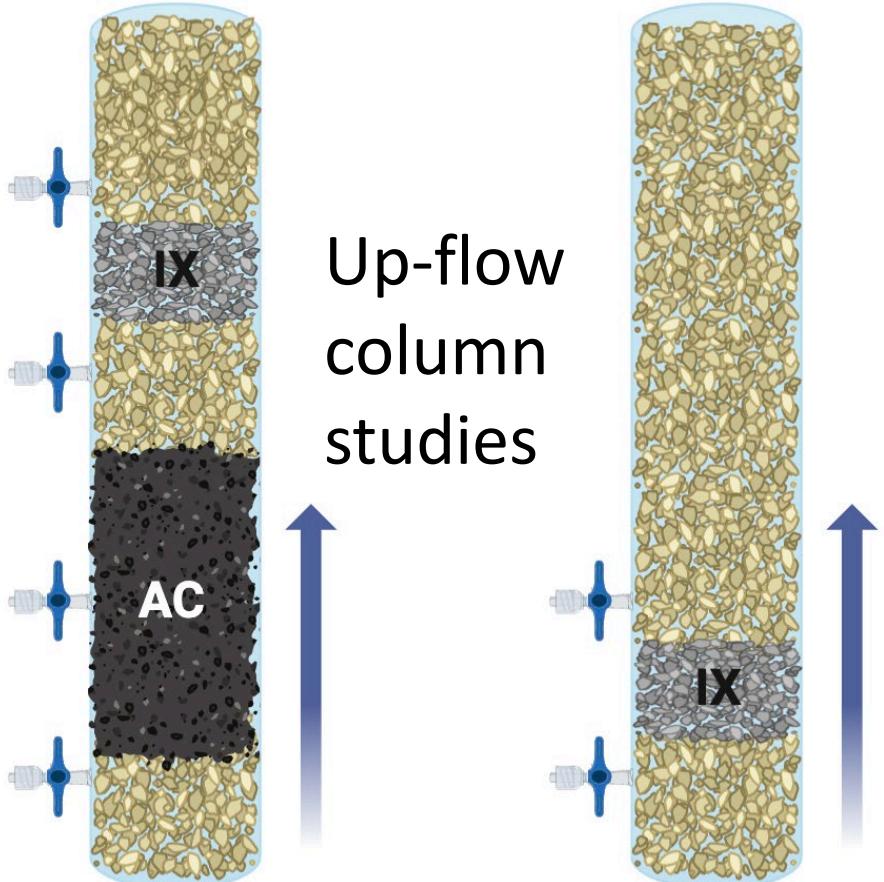
Attachment 1, Page 6 of 10

6



Stanford Laboratory Treatment Studies

7



- Investigate dissolved organic carbon (DOC) on PFAS removal efficiency in ion exchange (IX) & activated carbon (AC) sorbents.
- Different DOC sources and levels (0-18 mg/L)
- Assess the enhancement of PFAS removal efficiency when using AC/IX in series

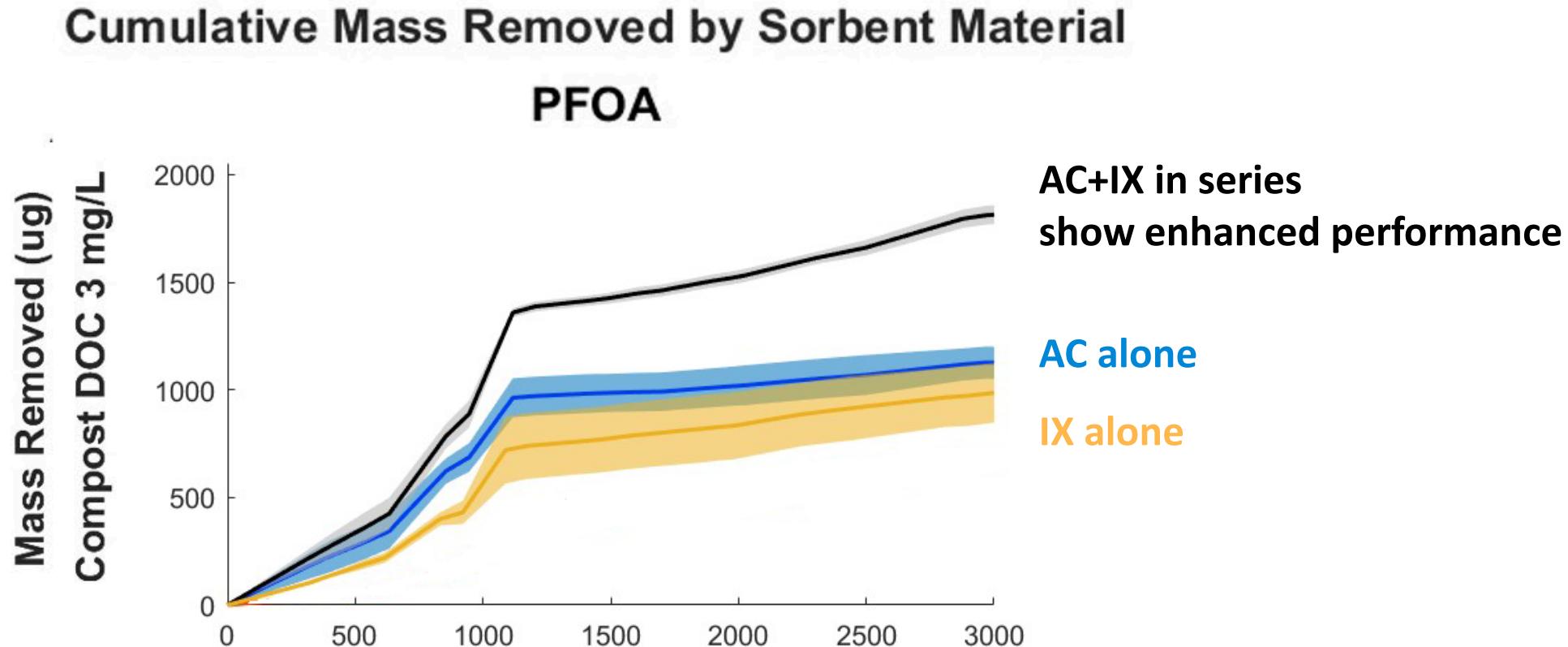


DOC from straw and compost



Stanford Laboratory Treatment Studies

8





Looking Ahead

Stanford Work

Phase 1

Compile recent information on PFAS in runoff

Use current data to model PFAS removal with AC + IX

Design studies for treatment using creek water

Phase 2

Conduct bench-top studies



Valley Water Potential Future Work



Phase 1

Monitoring of PFAS in creek waters

Assess runoff use alternatives & layouts (recharge, NPR or DPR)

Look at regulatory/environmental issues with harvesting creek water

Phase 2

Conduct pilot-scale studies



Valley Water

Clean Water • Healthy Environment • Flood Protection



Santa Clara Valley Water District

File No.: 25-0239

Agenda Date: 4/29/2025

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:

Consider the Draft Agenda for the May 23, 2025, Joint Recycled Water Policy Advisory Committee (JRWPAC) for Review Which Includes Coordination on the Silicon Valley Advanced Water Purification Center (SVAWPC) and Building Relationships With the Cities of San Jose and Santa Clara; and Provide Feedback.

RECOMMENDATION:

Consider the draft agenda for the May 23, 2025, JRWPAC for review, which includes coordination on the SVAWPC and building strong collaborative relationships with the Cities of San Jose and Santa Clara; and provide feedback.

SUMMARY:

Below is a draft agenda for the upcoming Joint Recycled Water Policy Advisory Committee with the Cities of San Jose and Santa Clara:

- Elect 2025 Joint Recycled Water Policy Advisory Committee (Valley Water/San Jose/Santa Clara) Chairperson.
- Review Proposed Fiscal Year 2023-2024 Budgets for Silicon Valley Advanced Water Purification Center and South Bay Water Recycling System.
- Update on the Development of a collaborative potable reuse project including amending existing agreements between Valley Water and the City of San Jose for developing the DPR Demonstration Facility and Learning Center.
- Update on Purified Water Public Outreach and 2024 Public Perception Poll
- Update on data center use of recycled water in the Cities.

Staff from Valley Water and the Cities are working collaboratively on these agenda items.

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.: 25-0240

Agenda Date: 4/29/2025

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 Information on the National Water Research Institute Independent Advisory Panel for the Purified Water Project.

RECOMMENDATION:

Receive information on the 8th meeting of the Independent Advisory Panel for evaluation of Santa Clara Valley Water District's Purified Water Program and related efforts.

SUMMARY:

The National Water Research Institute (NWRI) established the Independent Advisory Panel Program to provide objective, third-party scientific review of projects or programs within the water and wastewater communities. NWRI Panels are used by public agencies, state agencies, and companies when a project involves challenging issues that would benefit from having an independent third-party scientific and technical review by national experts.

In 2012, Valley Water contracted with NWRI to establish an Independent Advisory Panel (IAP) of water reuse academics, industry leaders, and regulatory experts to review and provide feedback on Santa Clara Valley Water District's (Valley Water) developing water reuse program. Since 2012, the IAP has met seven times to review technical materials and provide recommendations on program developments.

Recently, Valley Water staff worked with NWRI and added new members with expertise in Direct Potable Reuse to the Panel. This will strengthen the Panel and make it a better fit for the reviews, input, and recommendations for the San Jose Purified Water Project (SJPWP). An IAP meeting is currently being planned for the third quarter of 2025 and will be held in hybrid format at Valley Water's Board Room.

Staff will present to the IAP various topics and elements related to the SJPWP, including Direct Potable Reuse. The project size is planned for delivery of 24 acre-feet per year (AFY) and will be constructed next to the existing Silicon Valley Advanced Water Purification Center (SVAWPC). Staff will seek review and input from the IAP which will be essential for project planning processes such as

treatment systems selection, regulatory requirements, permitting aspects, etc.

It is expected that the panel will be preparing a report containing their comments and recommendations within three months following the IAP meeting. Staff will continue to update the Recycled Water Committee about the IAP meeting and results.

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: Independent Advisory Panel Bios

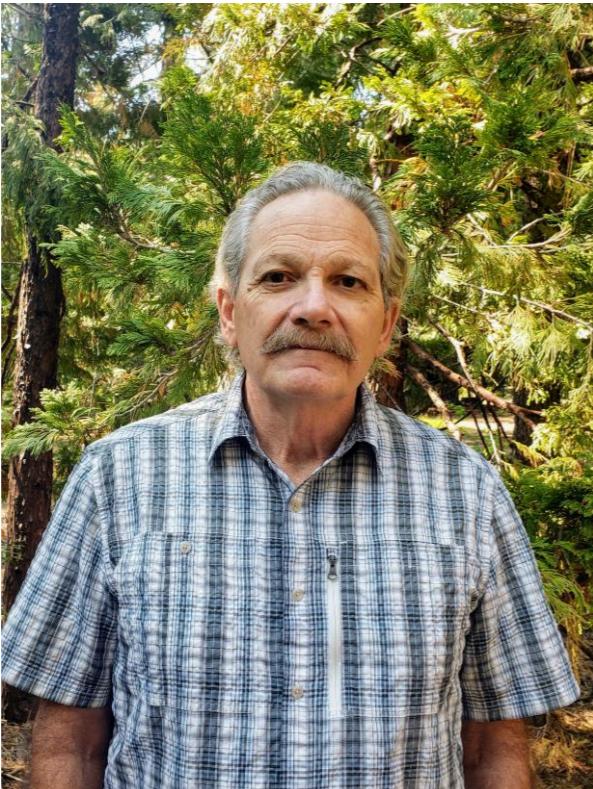
UNCLASSIFIED MANAGER:

Kirsten Struve, 408-630-3138



Independent Advisory Panel

For the Valley Water Potable Reuse Project



Panel Chair - Adam Olivieri, DrPH, PE

EOA, Inc.

Expertise in public health risk assessment
for potable reuse projects.

Vice Chair - Katherine Cushing, PhD

San Jose State University

Expertise in water resources
management and sustainability.

VALLEY WATER POTABLE REUSE PROGRAM – PANEL MEMBERS

		
<p>Paul Anderson, PhD Independent Consultant Expertise in human health and ecological risk assessment and toxicology</p>	<p>Dan Gerrity, PhD, PE Southern Nevada Water Authority Expertise in microbiology issues and advanced treatment for potable reuse</p>	<p>Mehul Patel, PE Orange County Water District Expertise in potable reuse project engineering and operations</p>

VALLEY WATER POTABLE REUSE PROGRAM – PANEL MEMBERS



Rupam Soni, PE

Metropolitan Water District of
Southern California
Expertise in public outreach and
community education for potable reuse

Sunny Wang, PE

City of Santa Monica
Expertise in design and implementation
for potable reuse and desalination

Lan Wiborg

Orange County Sanitation District
Expertise in industrial pretreatment and
pollutant source control

VALLEY WATER POTABLE REUSE PROGRAM – PANEL MEMBERS



Santa Clara Valley Water District

File No.: 25-0366

Agenda Date: 4/29/2025

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 Discuss the 2025 Recycled Water Committee (RWC) Work Plan, and Provide Feedback on Upcoming Discussion Items, and the next meeting date.

RECOMMENDATION:

Receive and discuss the 2025 RWC Work Plan and provide feedback on upcoming discussion items and the 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 February 26, 2025 meeting, the Committee approved the 2025 work plan that has agenda items necessary for the continuation of the recycled water projects.

An updated 2025 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 and confirmation of the next meeting date.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

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

ATTACHMENTS:

Attachment 1: 2025 RWC Work Plan

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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RWC 2025 WORK PLAN													
Task	Agenda Item	January	February	March	April	May	June	July	August	September	October	December	
FY 25 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 On-going outreach Actively Engage in statewide implementation of Direct Potable Reuse		X		X	X	X	X	X	X	X	X	
1.2	Update on Partnership with Cities of Palo Alto and Mountain View												
FY 25 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					X							
2.5	Independent Advisory Panel				X							X	
FY 25 Tactic 3: 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 25 Tactic 4: 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	Investigating Different Source of Water for Purification including Urban Water Runoff/Stormwater				X								
6.3	Outreach Comprehensive Efforts											X	
6.4	State and Federal Grant opportunities				X								
6.5	Large Water User Reuse Opportunities									X			

*Blue Strikes - Items added on updated Work Plan.

*Red Strikes - Items deleted from updated Work Plan.

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