Santa Clara Valley Water District
Joint Water Resources Committee
with Cities of Gilroy and Morgan Hill

Zoom Teleconference

REGULAR MEETING
AGENDA

Wednesday, August 4, 2021
8:30 AM

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

Director District 3 Richard Santos
Director District 1 John L. Varela

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.

Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.
IMPORTANT NOTICES
This meeting is being held in accordance with the Brown Act as currently in effect under the State Emergency Services Act, the Governor’s Emergency Declaration related to COVID-19, and the Governor’s Executive Order N-08-21 issued on June 11, 2021, that allows attendance by members of the Committee, staff, and the public to participate and conduct the meeting by teleconference, videoconference, or both.

Members of the public wishing to address the Committee during a video conferenced meeting on an item not listed on the agenda, or any item listed on the agenda, should use the “Raise Hand” tool located in Zoom meeting link listed on the agenda. Speakers will be acknowledged by the Committee Chair in the order requests are received and granted speaking access to address the Committee.

Santa Clara Valley Water District (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 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.

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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/85394053465

Meeting ID: 853 9405 3465

Phone In: 1 (669) 900 9128

1. CALL TO ORDER:

1.1. Roll Call.

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

Notice to the Public: Members of the public who wish to address the Committee on any item not listed on the agenda should access the "Raise Hand" tool located in Zoom meeting link listed on the agenda. Speakers will be acknowledged by the Committee Chair in order requests are received and granted speaking access to address the Committee. Speakers comments should be limited to three minutes or as set by the Chair. The law does not permit Committee action on, or extended discussion of, any item not on the agenda except under special circumstances. If Committee action is requested, the matter may be placed on a future agenda. All comments that require a response will be referred to staff for a reply in writing. The Committee may take action on any item of business appearing on the posted agenda.

3. ELECTION OF COMMITTEE OFFICERS:

4. APPROVAL OF MINUTES:

4.1. Approval of December 19, 2019 Joint Water Resources Committee Meeting Minutes.  

Recommendation: Approve the minutes.  
Manager: Michele King, 408-630-2711  
Attachments: Attachment 1: 121919 JWRC Meeting Minutes  
Est. Staff Time: 5 Minutes

5. ACTION ITEMS:
5.1. Countywide Water Reuse Master Plan Update and Explore Water Reuse Expansion in South County.


Manager: Kirsten Struve, 408-630-3138
Attachments: Attachment 1: PowerPoint
Attachment 2: CoRe Plan
Attachment 3: CoRe Plan Appendices

Est. Staff Time: 15 Minutes

5.2. South County Water Reuse Collaboration and Implementation.

Recommendation: Recommend to the Santa Clara Valley Water District (Valley Water) Board the development of a single comprehensive South County Water Reuse Agreement between Valley Water and South County Regional Wastewater Authority (SCRWA), City of Gilroy, and City of Morgan Hill.

Manager: Kirsten Struve, 408-630-3138
Attachments: Attachment 1: PowerPoint

Est. Staff Time: 15 Minutes

5.3. Update on Santa Clara County Drought Conditions.

Recommendation: Receive information on Water Shortage Emergency Condition and Call for Conservation.

Manager: Kirsten Struve, 408-630-3138
Attachments: Attachment 1: PowerPoint

Est. Staff Time: 10 Minutes


Recommendation: A. Review the 2021 Joint Water Resources Committee Work Plan, and make adjustments as necessary; and B. Select a date for the next Joint Water Resources Committee meeting.

Manager: Michele King, 408-2630-2711
Attachments: Attachment 1: 2021JWRC Work Plan

Est. Staff Time: 5 Minutes

6. INFORMATION ITEMS:
7. **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.*

8. **ADJOURN:**

   8.1. Adjourn to next meeting to be called to order in compliance with the State Emergency Services Act, the Governor's Emergency Declaration related to COVID-19, and the Governor's Executive Order N-08-21.
COMMITTEE AGENDA MEMORANDUM

Joint WRC with Cities of Gilroy/Morgan Hill/SCRWA

SUBJECT:
Approval of December 19, 2019 Joint Water Resources Committee Meeting Minutes.

RECOMMENDATION:
Approve the minutes.

SUMMARY:
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 for review and approval.

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

ATTACHMENTS:
Attachment 1: 121919 JWRC Meeting Minutes

UNCLASSIFIED MANAGER:
Michele King, 408-630-2711
A meeting of the Joint Water Resources Committee (City of Gilroy, City of Morgan Hill and Valley Water) (Committee) was held on December 19, 2019, at the South County Regional Wastewater Authority Conference Room, 1500 Southside Dr., Gilroy, California.

1. CALL TO ORDER/ROLL CALL
A meeting of the Joint Recycled Water Committee (City of Gilroy, City of Morgan Hill and Valley Water) was called to order by Committee Chair Hon. Richard P. Santos at 8:03 a.m.

Committee Members in attendance were: City of Gilroy Council Member: Hon. Dion Bracco, City of Morgan Hill Council Member: Hon. Larry Carr; Valley Water Directors: Hon. Richard P. Santos, District 3, and Hon. John L. Varela, District 1.

Valley Water Staff members in attendance were: Glenna Brambill, Natalie Dominguez, Samantha Greene, Garth Hall, Albert Le, Metra Richert and David Tucker.

City of Gilroy Staff Members in attendance was: Saeid Vaziry.

City of Morgan Hill Staff Members in attendance were: Chris Ghione and Dan Repp.

Guest Attendees: Doug Muirhead and Billy Wong (Stantec).

2. 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 MINUTES
It was moved by Hon. Larry Carr, seconded by Hon. John L. Varela and unanimously carried, to approve the minutes of the September 4, 2019, Joint Water Resources Committee (City of Gilroy, City of Morgan Hill and Valley Water) meeting, as presented.

4. ACTION ITEMS

4.1 SOUTH COUNTY DRINKING WATER TREATMENT PLANT DISCUSSION
Mr. Garth Hall reviewed the materials as outlined in the agenda item.

The Joint Water Resources Committee discussed the following items: partnerships, groundwater sustainability, growth development issues, affordable housing, water supply planning, recycling, purification, water conservation, operation/recharge/supply costs, water rates, modeling for groundwater/recharge/O&M, charge zones, treatment plant versus groundwater recharge, location, water resources and agricultural issues.

The Joint Water Resources Committee took no action. However, would like to retain this agenda item as a standing item.

4.2 WATER SUPPLY MASTER PLAN UPDATE
Ms. Metra Richert reviewed the materials as outlined in the agenda item.

The Joint Water Resources Committee discussed the following items: city ordinances, building concerns and cities allowed to make decisions for themselves.

The Joint Water Resources Committee took no action.

4.3 OPEN SPACE CREDIT OPTIONS DISCUSSION
Hon. John L. Varela reviewed the materials as outlined in the agenda item.

The Joint Water Resources Committee discussed the following items: reducing costs is key as they will increase over time and keeping the Cities, SCC Farm Bureau and other entities engaged on this issue.

Mr. Doug Muirhead would like to see someone taking the lead on this issue. He’s also concerned that the County is not engaged since the passing of the County’s Agricultural Plan.

The Joint Water Resources Committee took no action.

4.4 REVIEW JOINT WRC WITH CITIES OF GILROY/MORGAN HILL/SCRWA COMMITTEE WORK PLAN, THE OUTCOMES OF BOARD ACTION OF COMMITTEE REQUESTS; AND THE COMMITTEE’S NEXT MEETING AGENDA
Ms. Glenna Brambill reviewed the materials as outlined in the agenda item.

The Joint Water Resources Committee took no action.
5. **CLERK REVIEW AND CLARIFICATION OF COMMITTEE ACTIONS**

Ms. Glenna Brambill reported there were no action items for Board consideration.

6. **ADJOURN**

Chair Hon. Richard P. Santos adjourned at 8:56 a.m. to the next meeting on February 5, 2020.

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

Approved:
COMMITTEE AGENDA MEMORANDUM

Agricultural Water Advisory Committee

SUBJECT:
Countywide Water Reuse Master Plan Update and Explore Water Reuse Expansion in South County.

RECOMMENDATION:
Provide an update on the Santa Clara Valley Water District’s (Valley Water) Countywide Water Reuse Master Plan (CoRe Plan), an integral component of Valley Water’s Water Supply Master Plan.

SUMMARY:
The objective of the CoRe Plan is to identify and evaluate future water reuse opportunities in collaboration with recycle water producers, wholesalers, retailers, users, and other interested stakeholders in Santa Clara County. Valley Water has set a goal of meeting at least 10% of the County’s total water demand using recycled and purified water. Consequently, Valley Water developed a CoRe Plan that presents direction to provide up to 24,000 acre-feet per year of potable water reuse by 2028. The CoRe Plan was completed in June 2021 and is scheduled for acceptance at the August 10, 2021 Valley Water Board meeting.

Since November 2018, the CoRe Plan has integrated over 15 critical engineering reports that form the Plan’s reuse planning foundation and includes key stakeholder feedback into the Plan’s key recommendations (Attachment 2). The CoRe Plan has assembled the following technical memoranda into a planning compendium for future potable reuse implementation:

- Project Definition Technical Memorandum
- Baseline Analysis Technical Memorandum
- Conceptual Alternatives Technical Memorandum
- 1% Conceptual Alternatives Design
- Feasible Project Portfolios Technical Memorandum
- Draft Countywide Water Reuse Master Plan
- Non-Potable Onsite Reuse Survey
- Public Outreach and Engagement Survey
- California Water Reuse Governance Survey
- South Bay Water Recycling (SBWR) Master Plan Updates

The CoRe Plan represents the assemblage of these critical engineering and planning documents into a comprehensive water reuse planning document that describes available source water, relevant institutional arrangements, existing reuse systems, expanded reuse potential, feasible project portfolios, and initial cost and rate payer implications. Key benefits of the CoRe Plan include:
• Describes drought-resilient water reuse opportunities that could reduce our dependence on imported water and groundwater pumping,
• Supports habitat preservation and endangered species protection by reducing freshwater discharges to the South Bay and minimizes wastewater discharge to the Pajaro River in South County,
• Enhances estuarine ecosystem improvements, including freshwater fish habitat, in statewide watersheds resulting from reduced imported water reliance,
• Reduces the concentration of emerging contaminants in potable water reuse through advanced treatment techniques that reduces emerging environmental concerns with source waters, and
• Provides planning opportunities and water supply options with improved adaptation to anticipated climate change impacts.

The CoRe Plan represents an integrated plan after three years of technical planning, development of 10 water supply portfolios with indirect and direct potable reuse options, involvement of 60 stakeholder agencies, 60+ meetings and workshops, and 1200 pages of technical support documentation (Attachment 3). The Plan includes an Executive Summary, expanded discussion of fiscal and rate payer impacts, evaluation of on-site non-potable reuse opportunities, CEQA programmatic recommendations, and options for phased project implementation.

Staff will present the vision underlying the planning effort, the journey undertaken to develop the Plan, and the path ahead to support future potable reuse implementation throughout the County and with emphasis in South County.

ATTACHMENTS:
Attachment 1: PowerPoint
Attachment 2: CoRe Plan
Attachment 3: Core Plan Appendices

UNCLASSIFIED MANAGER:
Kirsten Struve, 408-630-3138
1. **Vision**: Goals and Objectives.

2. **Journey**: CoRe Plan development approach, reuse options evaluated, and key findings.

3. **Path Ahead**: Near-term next steps and foundation for future decision-making.

Abbreviation:

**CoRe Plan** = **Countywide Water Reuse Master Plan**
1. Vision

2. Journey

3. Path Ahead

with HydroScience Engineers, and Trussell Technologies Inc.
Vision:

• Integrating County agencies across jurisdictional boundaries
• Building on past studies and plans developed by Valley Water and each of the four Partner Agencies
• Informed through a robust and collaborative engagement process
• Framework for collaborative decisions and integrated actions
• Programmatic and adaptive to support flexibility in future implementation

Goal:

Identify feasible opportunities for expanding reuse as part of Valley Water’s strategy to improve water supply reliability and regional self-reliance

• Aligned with Valley Water’s One Water Plan and Water Supply Master Plan 2040
• Through substantial engagement and collaboration with Partner Agencies

Objectives:

• Integrate existing recycled water systems and expand non-potable reuse
• Develop purified water systems
Partner Agencies

- Palo Alto RWQCP
- Sunnyvale WPCP
- San José/Santa Clara RWF
- SCRWA

Recycled Water Producers (WWTP)

- Palo Alto
- Mountain View
- Los Altos
- Los Altos Hills
- Palo Alto
- Stanford University

Recycled Water Systems (RWS)

- Palo Alto/Mountain View RWS
- Sunnyvale RWS
- South Bay Water Recycling
- South County RWS (Gilroy)
Multiple Levels of Engagement

Valley Water
- Board and staff

Project Partners
- City Councils and staff

Advisory Groups
- Stakeholders *(chart to right)*
- Regulators
- Independent Advisory Panel (IAP)
2. Journey
Project Background - since 11/18 RWC meeting

Conceptual Alternatives (October 2018)
1. Defined project elements
2. Grouped into alternatives
3. Updated hydraulic models for recycled water systems

Feasible Alternatives including DPR
1. Defined portfolios + options
2. Developed preliminary designs
3. Estimated capital, O&M, and lifecycle (unit) costs
4. Added DPR (i.e., RWA and TWA)

Draft CoRe Plan
Draft Final CoRe Plan
Final CoRe Plan
1. Partnerships
2. Regulatory compliance strategy + next steps
3. Evaluation / risk assessment
4. Implementation

Deliverables

Stakeholder meetings

Near-term project execution

Attachment 1, Pg. 8 of 23
Final CoRe Plan Overview

By the numbers:

1,000+ Pages of technical documentation

60+ Meetings

10 Reuse portfolios developed

100 Pages in the CoRe Plan

60 Stakeholder entities involved

3 Years in the making

1 Integrated Plan
Glossary Defines Terms

Wastewater treatment plant (WWTP)
Non-potable reuse (NPR)
Enhanced NPR (NPR+)
Indirect potable reuse (IPR)
  Groundwater recharge (GWR)
  Surface water augmentation (SWA)
Direct potable reuse (DPR)
  Raw water augmentation (RWA)
  Treated water augmentation (TWA)
Advanced water purification facility (AWPF)
Water treatment plant (WTP)
Source Water Availability

Potential annual yield of purified water for potable reuse, considering producer and source water availability

<table>
<thead>
<tr>
<th>Facility</th>
<th>Potential yield (AFY)</th>
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<tbody>
<tr>
<td>San José AWPF</td>
<td>24,000</td>
</tr>
<tr>
<td>Palo Alto AWPF</td>
<td>11,700 – 13,200</td>
</tr>
<tr>
<td>Sunnyvale AWPF</td>
<td>5,500 – 9,800</td>
</tr>
<tr>
<td>Palo Alto and Sunnyvale (combined)</td>
<td>17,300 – 23,000</td>
</tr>
<tr>
<td>Morgan Hill Satellite AWPF</td>
<td>1,900</td>
</tr>
</tbody>
</table>

Note: 24,000 AFY Potable Reuse Goal
Programmatic Approach: Reuse Portfolios and Options

### Countywide Expansion of NPR/NPR+ (Recycled Water Distribution Systems)

<table>
<thead>
<tr>
<th>Reuse Opportunities</th>
<th>North County</th>
<th>South County Options</th>
</tr>
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<tbody>
<tr>
<td><strong>Portfolio 1</strong></td>
<td></td>
<td>Morgan Hill Option 1:</td>
</tr>
<tr>
<td><strong>San José AWPF</strong></td>
<td>One AWPF in San José</td>
<td>NPR+ from SBWR</td>
</tr>
<tr>
<td><strong>Portfolio 2</strong></td>
<td>One AWPF with combined flows from Palo Alto and Sunnyvale</td>
<td>Morgan Hill Option 2:</td>
</tr>
<tr>
<td><strong>Combined Regional AWPF</strong></td>
<td></td>
<td>Satellite AWPF for GWR</td>
</tr>
<tr>
<td><strong>Portfolio 4</strong></td>
<td>Two separate AWPFs in Palo Alto and Sunnyvale</td>
<td>Morgan Hill Option 3:</td>
</tr>
<tr>
<td><strong>Separate Regional AWPFs</strong></td>
<td></td>
<td>Satellite AWPF for SWA</td>
</tr>
</tbody>
</table>

### Portfolio Options

- **Morgan Hill Option 1:**
  - NPR+ from SBWR
- **Morgan Hill Option 2:**
  - Satellite AWPF for GWR
- **Morgan Hill Option 3:**
  - Satellite AWPF for SWA

### Alternative Elements and Future Opportunities

- Alternative pipeline alignments, interties, and delivery points.
- Resized designs. Additional TWA opportunities.
2015 Master Plan Options

Option 1

Option 2

Option 3

LEGEND
- Existing SBWR NPR+ pipeline
- Morgan Hill recycled water system
- Proposed recycled water pipeline

LEGEND
- Purified water pipeline
- Advanced water purification facility
- Delivery point

Attachment 1, Pg. 13 of 23
## Regulatory Considerations

### Public Health
- Pathogens
- Chemicals
- Source control
- Monitoring and control
- Retention and response time
- TMF capacity

### Environmental Compliance
- SF Basin Plan
- California Toxics Rule
- SNMP
- Anti-degradation
- Chlorine residual
Estimated Capital Costs

North County Portfolios

South County Options

- 5 mgd
- 2 mgd
- 2 mgd

- MH-1: NPR+
- MH-2: GWR
- MH-3: SNA

2019 $
## Estimated Lifecycle Unit Costs

### 30-year lifecycle

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<tr>
<th>Production Capacity</th>
<th>North County Portfolios</th>
<th>South County Options</th>
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<tbody>
<tr>
<td>24 mgd</td>
<td>1a: SJ GWR</td>
<td>MH-1: NPR+</td>
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<td></td>
<td>1b: SJ TWA</td>
<td>MH-2: GWR</td>
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<td></td>
<td>1c: SJ Milpitas PL</td>
<td>MH-3: SWA</td>
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<td></td>
<td>1d: SJ TWA new PL</td>
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<td></td>
<td>2a: PA (+SV) GWR</td>
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<td></td>
<td>2b: SV (+PA) GWR</td>
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### 100-year lifecycle

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<th>North County Portfolios</th>
<th>South County Options</th>
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<td>24 mgd</td>
<td>1a: SJ GWR</td>
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<tr>
<td></td>
<td>1d: SJ TWA new PL</td>
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<td></td>
<td>2a: PA (+SV) GWR</td>
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<td></td>
<td>2b: SV (+PA) GWR</td>
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<th>Unit cost ($/AF in 2019 $)</th>
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<td>$16,000</td>
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**Attachment 1, Pg. 16 of 23**
Evaluation + Risk Analysis = Support Decision-Making

Criteria built into the CoRe evaluation tool

18 sub-criteria further define the 5 criteria and distinguish scoring
Evaluation + Risk Analysis = Support Decision-Making

- MH Options 2 or 3, Satellite AWPF for PR
- Portfolio 1d, 1c
- MH Option 1, NPR+ from SBWR
- Portfolio 2a
- Portfolio 1b
- Portfolio 2b
- Portfolio 4

Consequence

Likelihood

Risk unlikely to occur

Risk very likely to occur

Very high impact

Low impact

Attachment 1, Pg. 18 of 23
Final CoRe Plan Value and Key Take-Aways

- Baseline to support ongoing collaboration and reuse partnerships
- Consistent method for evaluating availability of treated wastewater for reuse
- Options for reaching up to 24,000 AFY of Countywide reuse
- Feasibility of potable reuse types (GWR, SWA, RWA, TWA)
- Potential future opportunities (interties, RWA/TWA, onsite reuse)
- Right-sizing infrastructure, including conveyance pipelines
- Decision support tools (risk analysis, alternatives evaluation)
1. Introduction
2. Countywide Reuse Project Status
3. Path Ahead
What’s Next?

Present Final CoRe Plan to the Board of Directors.
Next Steps for Implementation

**Partnerships**
- Ongoing collaboration and discussion
- Water Supply Planning
- Potable Reuse Goals

**SOURCE WATER**
- Identify Availability of Source Water
- Secure Agreements for Source Water Assurance

**DESIGN + CONSTRUCTION**
- Preliminary Design
- Detailed Design
- Construction
- Operations

**FUNDING + RATES**
- Estimate Program Cost and Analyze Rate Impacts
- Identify Funding Source and Cost Sharing
- Secure Funding

**LAND + EASEMENTS**
- Identify Parcels
- Acquire Land and Easements

**REGULATORY COMPLIANCE**
- Regulatory Compliance Strategy and Plan
- Final Permitting
- Ongoing Regulatory Compliance Adaptations
- EIS/R

**PUBLIC OUTREACH**
- Conduct Public Outreach

- Attachment 1, Pg. 22 of 23
Thank you.

Questions?
Countywide Water Reuse Master Plan (CoRe Plan)
Appendices

Prepared for
Santa Clara Valley Water District (Valley Water)
June 2021

Download/print a complete copy of this document at:

https://fta.valleywater.org/dl/4oM2H6hxQ
COMMITTEE AGENDA MEMORANDUM

Joint WRC with Cities of Gilroy/Morgan Hill/SCRWA

SUBJECT:
South County Water Reuse Collaboration and Implementation.

RECOMMENDATION:
Recommend to the Santa Clara Valley Water District (Valley Water) Board the development of a single comprehensive South County Water Reuse Agreement between Valley Water and South County Regional Wastewater Authority (SCRWA), City of Gilroy, and City of Morgan Hill.

SUMMARY:
Valley Water and the Cities of Gilroy and Morgan Hill have a long history of collaboration to ensure the utilization and expansion of recycled water in South County. Since 1999, South County water reuse has been anchored by a series of partnering agreements that have promoted the development and expansion of the South County Recycled Water System.

Valley Water has recognized that future expansion of existing recycled water programs or implementation of new recycled and purified water programs in Santa Clara County will rely upon partnership agreements between Valley Water and our wastewater partners. These collaborative partnerships will be key to achieving Valley Water’s goal for water reuse to provide at least 10% of total County water supply demands. In South County, Valley Water has already established the Joint Water Resources Committee (Committee) with elected officials representing the Cities of Gilroy and Morgan Hill for this shared advisory purpose. Valley Water continues to pursue such relationships and formal agreements to support existing and future recycled and purified water expansion throughout the County.

Given the importance of water reuse to future water supply and the magnitude of our current infrastructure investment, a higher level of public collaboration and partnership are warranted in South County. In recent discussions with Valley Water’s CEO, the Cities of Gilroy and Morgan Hill have indicated their joint interest in developing a roadmap with Valley Water for enhanced water reuse collaboration in South County.

Valley Water currently has several water recycling agreements in South County that could influence future collaborative discussions:

- Producer-Wholesaler Agreement Between South County Regional Wastewater Authority and Santa Clara Valley Water District - effective October 5, 1999, and subsequently superseded in December 2006 with,
• Producer-Wholesaler Agreement Between South County Regional Wastewater Authority and Santa Clara Valley Water District - effective December 12, 2006,
• Wholesaler-Retailer Agreement for Supply of Recycled Water Between Santa Clara Valley Water District and City of Gilroy - effective October 5, 1999, and
• Wholesaler-Retailer Agreement for Supply of Recycled Water Between Santa Clara Valley Water District and City of Morgan Hill - effective October 5, 1999.

To develop and promote consistent terms and conditions with its water reuse partners, Valley Water recommends a collaborative process to amend or replace our existing agreements with SCRWA, Gilroy, and Morgan Hill with a single, comprehensive recycled water agreement to enhance the roles and responsibilities of each Party in the development and expansion of recycled water efforts in South County.

The development of a comprehensive South County Water Reuse Agreement would support a strengthened committee governance structure and specific provisions to advance recycled water production, distribution, and wholesaling in South County. The suggested path would build upon the substantial history of collaboration between the Parties to fund and finance water recycling infrastructure in South County (i.e. South County Recycled Water Master Plans).

The South County Water Reuse Agreement would integrate policies and provisions from the 1999/2006 Producer-Wholesaler and 1999 Wholesaler-Retailer Agreements, including:

• Provisions defining recycled water quality, metering, delivery, and quantity,
• Development and implementation of 5-year capital programs to maintain and expand a recycled water production, storage, and distribution system,
• Provisions outlining ownership, operation, and maintenance of facilities, and
• General provisions, termination, and payment.

The agreement will allow for the integration of a collaborative institutional framework to advance recycled and purified water reuse in South County, including the following:

• Goals and objectives to promote South County water reuse,
• Clearly defined roles and responsibilities for each agency,
• Authority through a policy advisory committee (i.e. the Joint Water Resources Committee) with defined responsibilities,
• Creation of a Technical Working Group to support Committee activities,
• Annual submission of water reuse programs and financial commitments, and
• Cost-sharing accords to promote water conservation, reuse and supply.

NEXT STEPS:

The proposed next step is to use the Water Resources Committee to develop a single comprehensive South County Water Reuse Agreement for the operation, maintenance, and expansion of recycled water and development of purified water reuse in South County.
ATTACHMENTS:
Attachment 1:  PowerPoint

UNCLASSIFIED MANAGER:
Kirsten Struve, 408-630-3138
South County Water Reuse Agreement Review and Development.

Presented by: XXXXXXXXXXXXX
South County - History of Collaboration

- 1978: VW and Gilroy construct recycled water system
- 1978: VW and Gilroy construct recycled water system
- 1998: Water Reclamation Requirements issued to SCRWA
- 2004: South County RW Master Plan
- 2015: South County RW Master Plan Update
- 2016-DATE: VW, Gilroy, and Developer’s construct RW pipeline

1970

1990

2000

2010

2006: Producer-Wholesaler Agreement Amended
2010-12: VW receives Federal grant for RW pipeline extension
2016-DATE: VW receives Federal grant for RW pipeline extension
South County - History of Collaboration

- **Producer-Wholesaler Agreement** Between South County Regional Wastewater Authority and Santa Clara Valley Water District – October 5, 1999,

- **Producer-Wholesaler Agreement** Between South County Regional Wastewater Authority and Santa Clara Valley Water District – December 12, 2006,

- **Wholesaler-Retailer Agreement for Supply of Recycled Water** Between Santa Clara Valley Water District and City of Gilroy – October 5, 1999, and

- **Wholesaler-Retailer Agreement for Supply of Recycled Water** Between Santa Clara Valley Water District and City of Morgan Hill – October 5, 1999.
Recommendation - South County Water Reuse Agreement

- One Comprehensive Water Reuse Agreement
- Consistent Terms and Conditions Countywide
- Provisions to Advance Water Reuse and Purified Water Production, Distribution and Wholesaling
- Strengthened Committee Authority and Defined Roles & Responsibilities
- Cost Sharing Accords to Integrate Water Conservation, Reuse and Supply
- Creation of Technical Working Group
DISCUSSION
Joint WRC with Cities of Gilroy/Morgan Hill/SCRWA

SUBJECT:
Update on Santa Clara County Drought Conditions.

RECOMMENDATION:
Receive information on Water Shortage Emergency Condition and Call for Conservation.

SUMMARY:
On June 9, 2021, the Board declared a water shortage emergency condition pursuant to California Water Code §350 and called for a countywide water use reduction of 15% compared to 2019 in Valley Water Resolution 21-68. Urged by this resolution, the County Board of Supervisors ratified an emergency drought proclamation on June 22, 2021. California's Governor included Santa Clara County as part of his drought emergency proclamation on July 8, 2021.

Reflecting critically dry conditions across the State, the Central Valley Project and State Water Project have drastically reduced imported water allocations, which normally comprise half of Santa Clara Valley Water District’s (Valley Water) typical annual water supply. Valley Water has been negotiating purchases of emergency transfer water supplies; however, potential state regulatory actions pose significant uncertainty to completing these water transfers.

Furthermore, Valley Water is impacted by the unavailability of Anderson Reservoir as a surface water storage facility for the duration of the Anderson Dam Seismic Retrofit Project, which is expected to last 10 years. The loss of Anderson, lower imported water supplies, and uncertainty over emergency water transfers can result in rapid and significant drops in our groundwater levels, leading to the potential for subsidence and dry wells. In South County, groundwater is the only drinking water supply. Consequently, water conservation is an important strategy to help alleviate these negative impacts.

Valley Water has been conducting a wide array of efforts to meet the water use reduction target of 15% compared to 2019, including coordinating with cities and water retailers to implement water use restrictions, public messaging, and water conservation program implementation and expansion. An update on these efforts will be provided, and progress towards meeting the Board’s water use reduction target will be shared (Attachment 1).

ATTACHMENTS:
Attachment 1: PowerPoint
UNCLASSIFIED MANAGER:
Kirsten Struve, 408-630-3138
Water Shortage Emergency Condition and Call for Conservation

Joint WRC with Cities of Gilroy/Morgan Hill/SCRWA
August 4, 2021
Drought Status

Santa Clara County in **Extreme Drought***

**May 10** – State drought proclamation expanded to 41 counties

**June 22** - County proclaims drought

**July 8** – County included in State’s drought proclamation

*U.S. Drought Monitor, July 15, 2021
Fifty percent of our water is imported

<table>
<thead>
<tr>
<th>Local Water (30%)</th>
<th>Imported Water (50%)</th>
<th>Recycled Water (5%)</th>
<th>Conservation (15%)</th>
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<tbody>
<tr>
<td>• Groundwater aquifer</td>
<td>• Delta conveyed</td>
<td>• Wastewater Treatment</td>
<td>• Residential</td>
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<td>• Reservoirs</td>
<td>• Hetch Hetchy</td>
<td>• Advanced Purification</td>
<td>• Commercial, Agriculture</td>
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</tbody>
</table>
State Snowpack:

Zero percent of average
Conditions for Major Reservoirs
2021 Drought Impacts to Valley Water

Local water supplies are low

Imported water allocations are low:

State Water Project: 5% (5,000 acre-feet)
Central Valley Project: 0% (42,929 acre-feet)

0% Agriculture
25% Municipal & Industrial (plus credits for deliveries prior to June 1)
Loss of Anderson Increases Risk
Drained by federal mandate for seismic retrofit (89,278 acre-feet capacity)
Risk to Water Supply (2021)

Without additional water use reduction, groundwater storage may drop **rapidly and significantly (up to 80,000 acre-feet)** by the end of 2021 due to:

- Limited recharge; increased pumping from drought
- Reduced imported water allocations
- Loss of Anderson Reservoir as a surface water storage facility

Groundwater is about 40% of county water use. Groundwater is the only drinking water source in South County.
Risk to Water Supply (2022)

If drought conditions continue in 2022 and imported water supplies are extremely limited, groundwater storage is projected to drop well below 2012-16 drought, greatly increasing risk of:

Wells going dry, especially in South County
Resumed land subsidence in North County
Water Shortage Emergency Condition

• Declared Water Shortage Emergency Condition calling for Water Use Restriction on June 9, 2021
• Urged county to proclaimed local emergency
• Resolution includes:
  • Valley Water to aggressively promote water conservation programs to all water users
  • Urges Santa Clara County farmers to consider the water shortage emergency condition in planting and irrigation practices.
Valley Water Drought Response

- Doubled Landscape Conversion Rebate ($1 to $2 per sq. ft.)
- Increased conservation messaging
- BeHeard interactive webpage
- Reduce retailer deliveries
- Ensure adequate recharge in South County
- Pause imported water releases to most creeks and ponds
Water Conservation Programs

• Residential Programs
• Landscape Programs
• Commercial, Industrial, Institutional (CII) Programs
• Agriculture Programs
• Water Waste Inspectors
• Education/Workshops/Resources
Agriculture Programs

- Mobile Irrigation Lab
- Efficient Irrigation Calculators
- Agricultural Water Use Baseline Study
COMMITTEE AGENDA MEMORANDUM

Joint WRC with Cities of Gilroy/Morgan Hill/SCRWA


RECOMMENDATION:
A. Review the 2021 Joint Water Resources Committee Work Plan, and make adjustments as necessary; and
B. Select a date for the next Joint Water Resources Committee meeting.

SUMMARY:
Work Plans are created and implemented by all Board Committees to increase Committee efficiency, provide advanced public notice of intended Committee discussions, and enable staff to prepare for meetings and respond to Committee direction. Work Plans are dynamic documents managed by Committee Chairs and are subject to change. Committee Work Plans also serve to assist in the preparation of Annual Committee Accomplishments Reports.

The 2021 Joint Water Resources Committee (JWRC) Work Plan contains topics for discussion based on information from the following sources:

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

The 2021 JWRC Work Plan contained in Attachment 1 is presented for the Committee’s review and to determine additional topics for future meeting discussions.

2021 Meeting Schedule:
The Committee will discuss and select a date and time for the next meeting. Establishing a meeting schedule is necessary to provide staff a basis for meeting planning, preparation of agenda items and coordination of logistics.

ATTACHMENTS:
Attachment 1: 2021JWRC Work Plan

UNCLASSIFIED MANAGER:
Michele King, 408-2630-2711
# 2021 Joint Water Resources Committee Workplan

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<thead>
<tr>
<th>Category</th>
<th>Jan</th>
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| Standing Items                                                          |     |     |     |     |     |     |     |     |     |     |     | X   |
| Elect Committee Chair (Annually)                                        |     |     |     |     |     |     |     |     |     |     |     |     |
| Approval of Meeting Minutes                                             |     |     |     |     |     |     |     |     |     |     |     | X   |
| Review of Committee Work Plan                                           |     |     |     |     |     |     |     |     |     |     |     | X   |