



# 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.**

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

**REGULAR MEETING**  
**AGENDA**

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Wednesday, August 4, 2021

8:30 AM

Zoom Teleconference

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**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.

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This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has not been prepared with a view to informing an investment decision in any of Valley Water's bonds, notes or other obligations. Any projections, plans or other forward-looking statements included in the information in this agenda are subject to a variety of uncertainties that could cause any actual plans or results to differ materially from any such statement. The information herein is not intended to be used by investors or potential investors in considering the purchase or sale of Valley Water's bonds, notes or other obligations and investors and potential investors should rely only on information filed by Valley Water on the Municipal Securities Rulemaking Board's Electronic Municipal Market Access System for municipal securities disclosures and Valley Water's Investor Relations website, maintained on the World Wide Web at <https://emma.msrb.org/> and <https://www.valleywater.org/how-we-operate/financebudget/investor-relations>, respectively.

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**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.

[21-0830](#)

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. [21-0826](#)  
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.  
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. [21-0827](#)  
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. [21-0828](#)  
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
- 5.4. Review 2021 Joint Water Resources Committee Work Plan. [21-0831](#)  
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.

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# Santa Clara Valley Water District

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**File No.:** 21-0830

**Agenda Date:** 8/4/2021  
**Item No.:** 4.1.

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## 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

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**JOINT WATER RESOURCES COMMITTEE (CITY OF GILROY, CITY OF MORGAN HILL AND VALLEY WATER)**

**DRAFT MINUTES**

**WEDNESDAY, DECEMBER 19, 2019  
8:00 AM**

(Paragraph numbers coincide with agenda item numbers)

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:

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# Santa Clara Valley Water District

**File No.:** 21-0826

**Agenda Date:** 8/4/2021  
**Item No.:** 5.1.

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## 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

Regional  
**Collaboration**



Visionary  
**Results**



Valley Water

# Countywide Water Reuse Master Plan (CoRe Plan)

## Water Resources Committee Meeting

August 4, 2021



**Valley Water**



with HydroScience Engineers, and Trussell Technologies Inc

# Topics



1. **Vision:** Goals and Objectives.



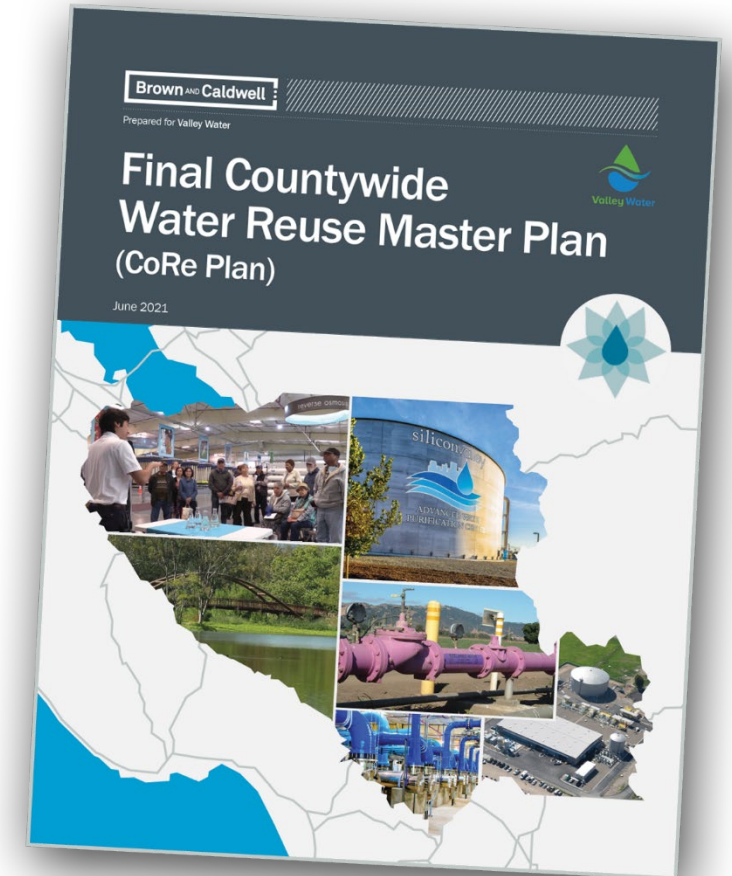
2. **Journey:** CoRe Plan development approach, reuse options evaluated, and key findings.



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



## 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



**Recycled Water Producers (WWTP)**

**Palo Alto RWQCP**

**Sunnyvale WPCP**

**San José/Santa Clara RWF**

**SCRWA**



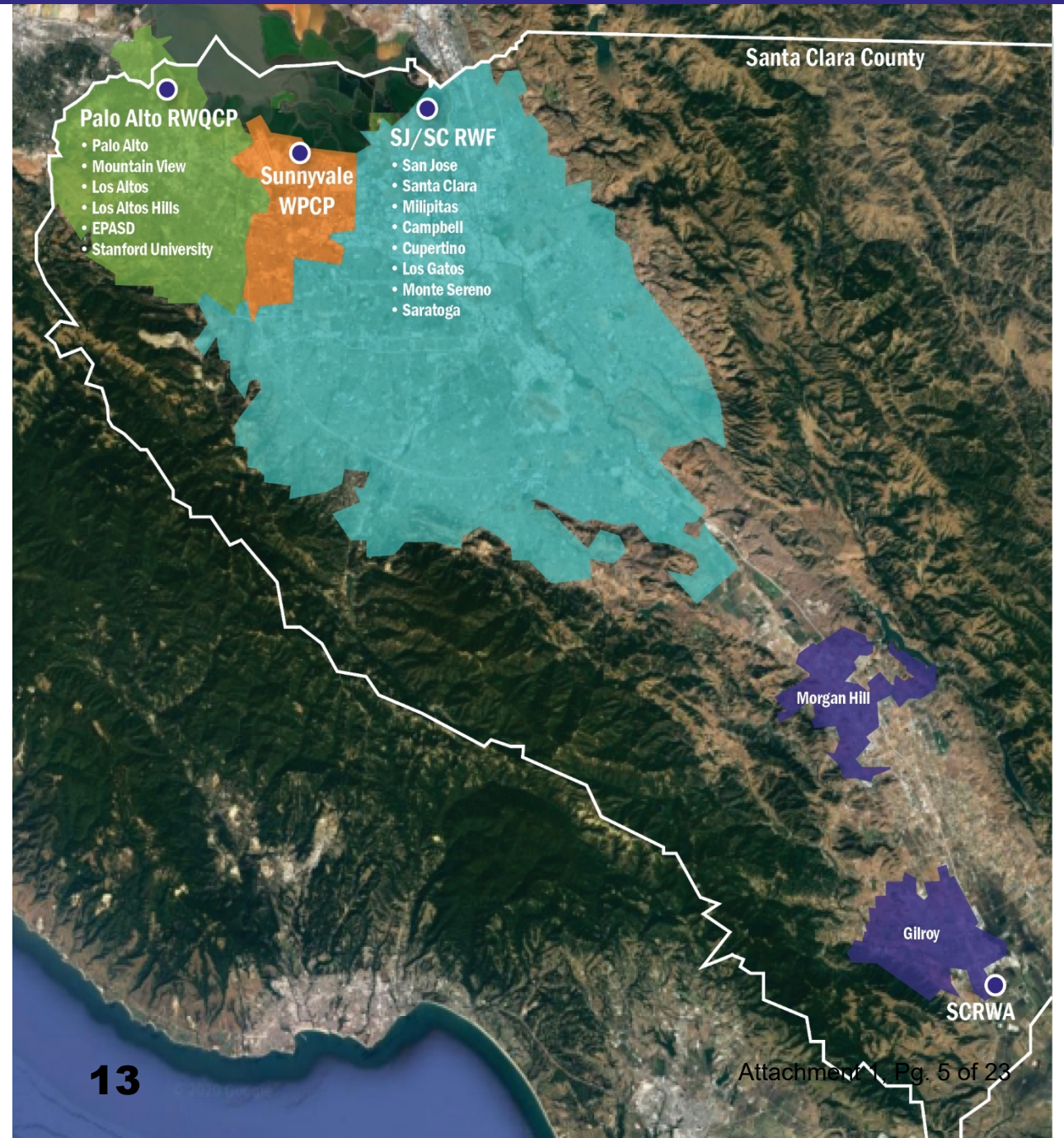
**Recycled Water Systems (RWS)**

**Palo Alto/Mountain View RWS**

**Sunnyvale RWS**

**South Bay Water Recycling**

**South County RWS (Gilroy)**



# Multiple Levels of Engagement

## Valley Water

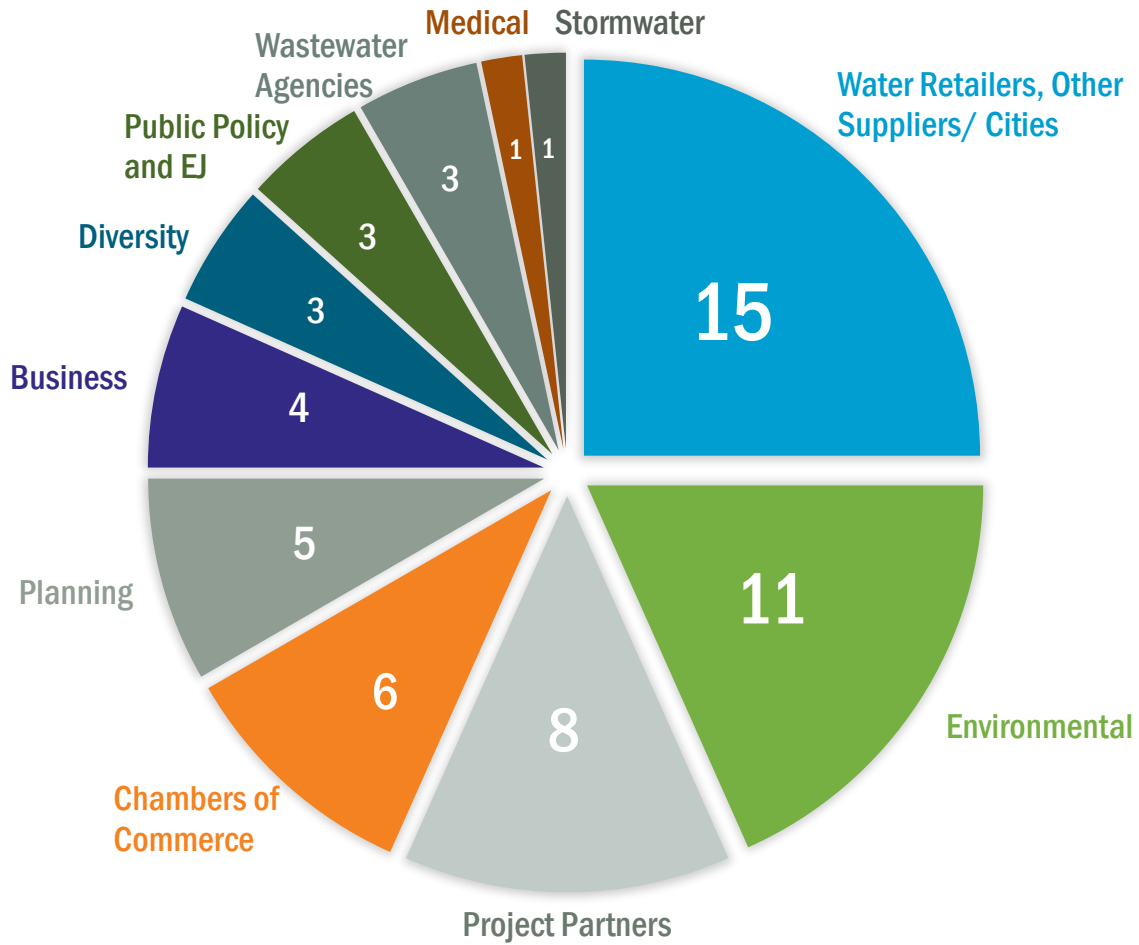
- Board and staff

## Project Partners

- City Councils and staff

## Advisory Groups

- Stakeholders *(chart to right)*
- Regulators
- Independent Advisory Panel (IAP)



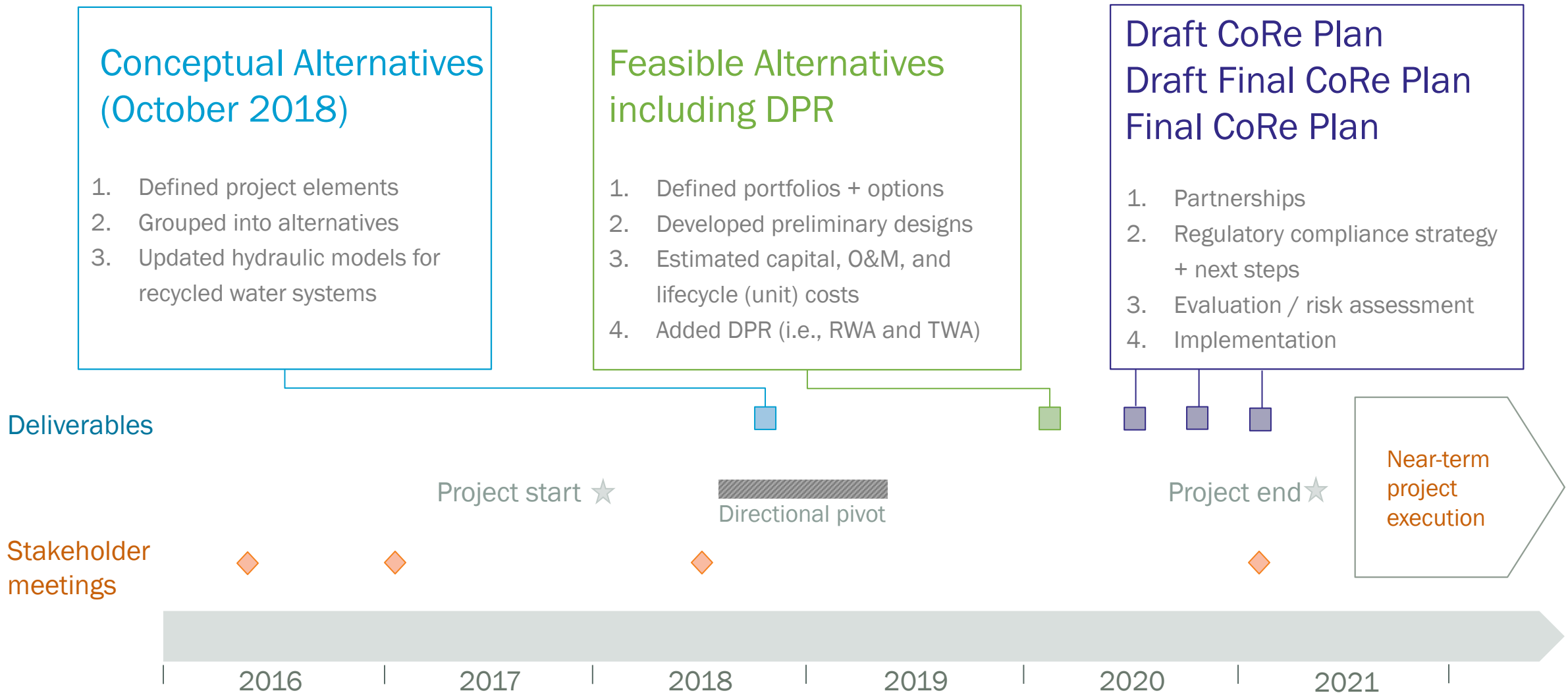
1. Vision

# 2. Journey

3. Path Ahead



# Project Background - since 11/18 RWC meeting



# 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

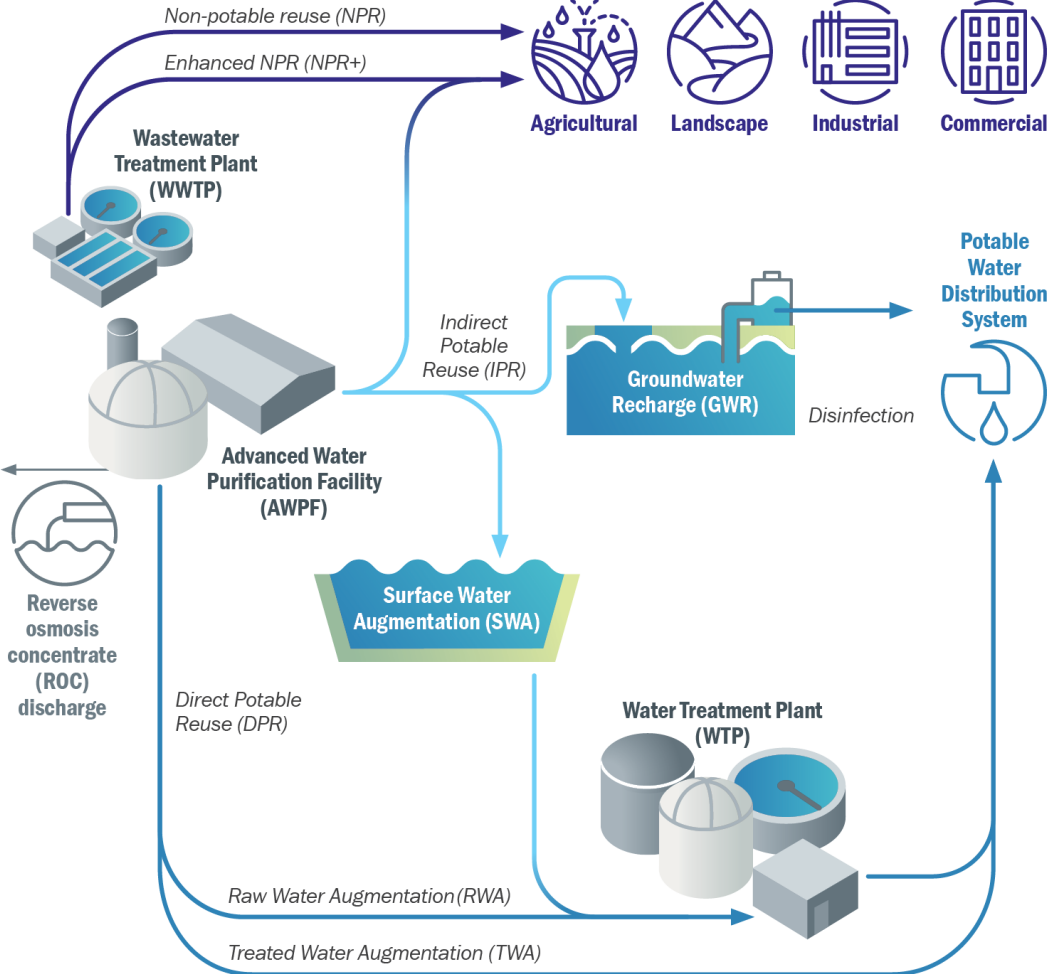
**3**

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)**

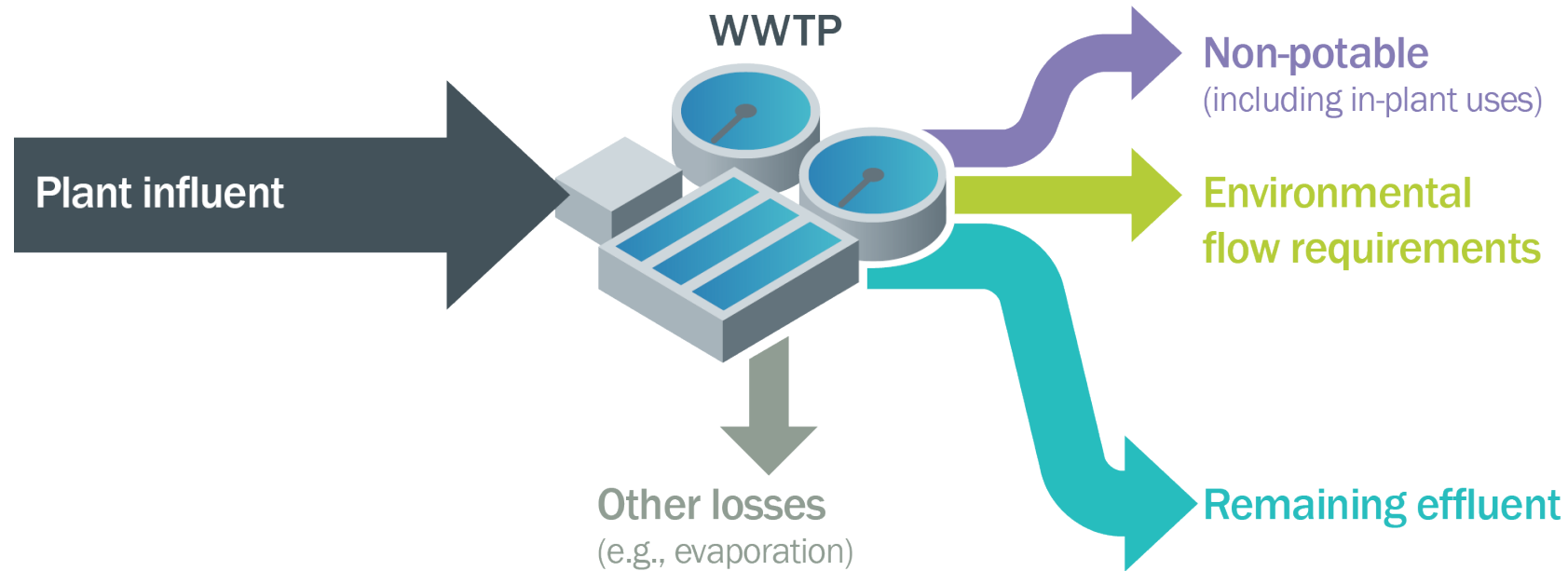
- Raw water augmentation (RWA)
- Treated water augmentation (TWA)

**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	
Facility	Potential yield (AFY) <sup>a</sup>
San José AWPf	24,000
Palo Alto AWPf	11,700 - 13,200
Sunnyvale AWPf	5,500 - 9,800
Palo Alto and Sunnyvale (combined)	17,300 <sup>b</sup> - 23,000
Morgan Hill Satellite AWPf	1,900

Note:  
24,000 AFY  
Potable  
Reuse Goal

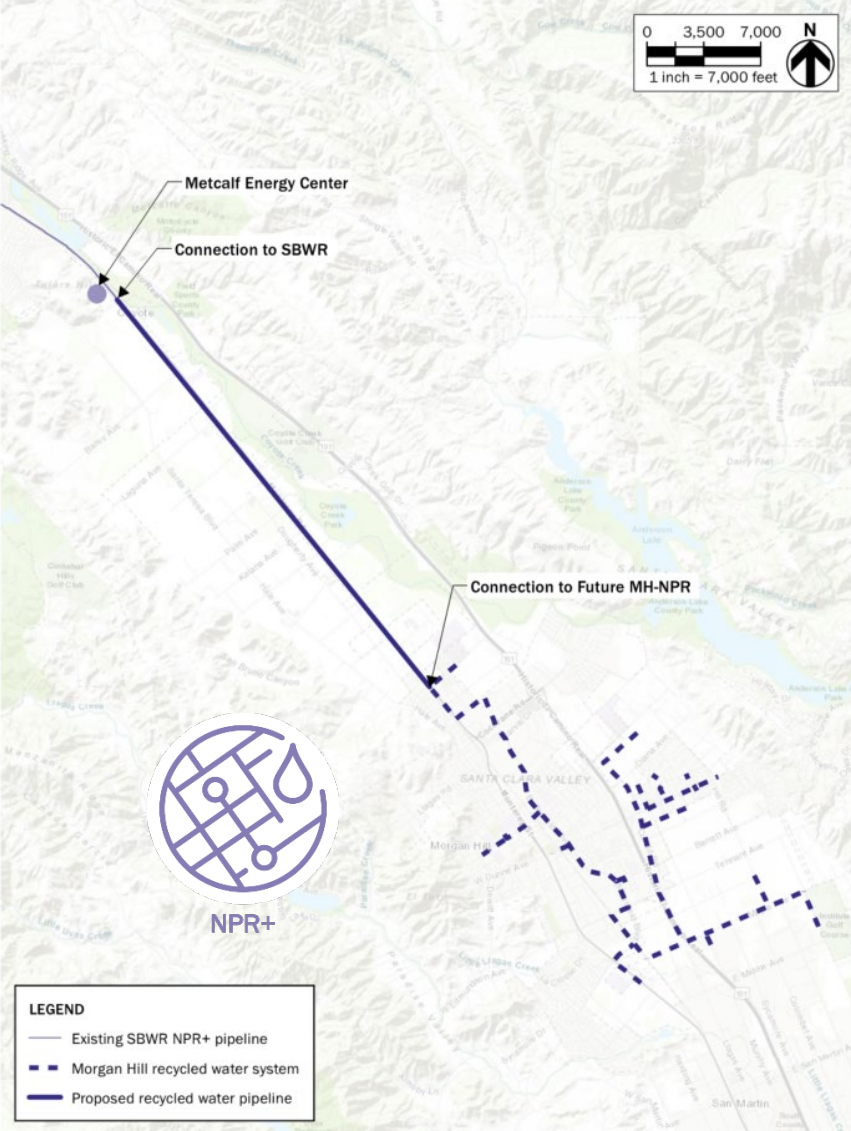
Attachment 1, Pg. 11 of 23

# Programmatic Approach: Reuse Portfolios and Options

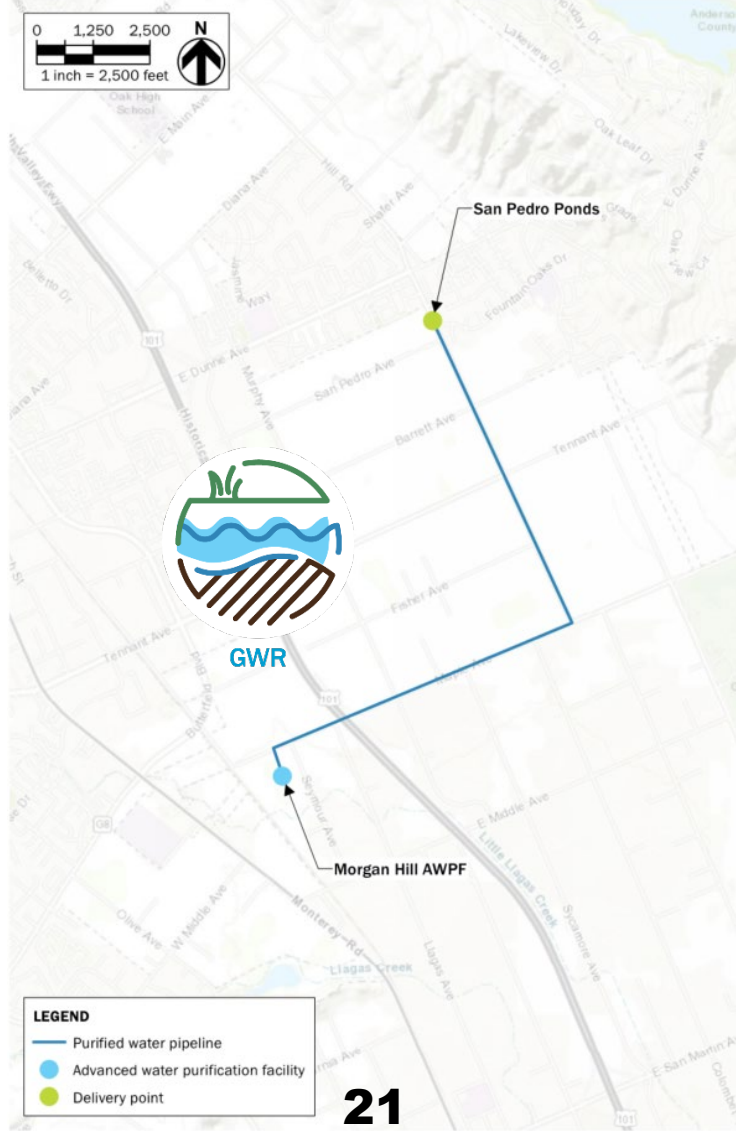
Reuse Opportunities	
Countywide Expansion of NPR/NPR+ (Recycled Water Distribution Systems)	<p><b>North County</b></p> <p><b>Portfolio 1</b> San José AWWPF</p> <p>One AWWPF in San José                      1a: GWR via LGRP                      1b: RWA via Penitencia WTP                      1c and 1d: TWA deliveries to Santa Clara, San José, and Valley Water retailers (using an existing pipeline [1c] or a new pipeline [1d])</p>
	<p><b>Portfolio 2</b> Combined Regional AWWPF</p> <p>One AWWPF with combined flows from Palo Alto and Sunnyvale                      2a: AWWPF in Palo Alto for GWR via LGRP                      2b: AWWPF in Sunnyvale for GWR via LGRP</p>
	<p><b>Portfolio 4</b> Separate Regional AWWPFs</p> <p>Two separate AWWPFs in Palo Alto and Sunnyvale for GWR via LGRP</p>
	<p><b>South County Options</b></p> <p>Morgan Hill Option 1: NPR+ from SBWR</p> <p>Morgan Hill Option 2: Satellite AWWPF for GWR</p> <p>Morgan Hill Option 3: Satellite AWWPF for SWA</p>
<p><b>Alternative Elements and Future Opportunities</b></p> <p>Alternative pipeline alignments, interties, and delivery points.                      Resized designs. Additional 20 TWA opportunities.</p>	

# 2015 Master Plan Options

Option 1

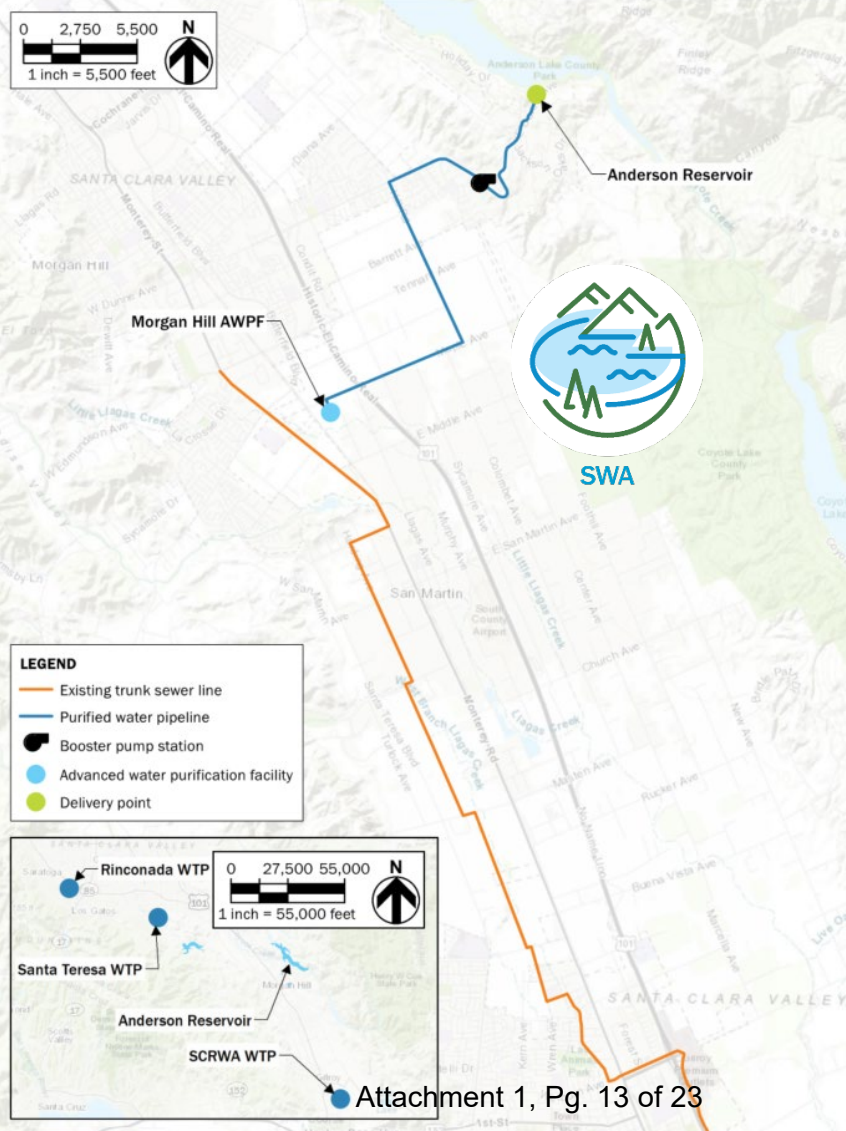


Option 2



21

Option 3



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

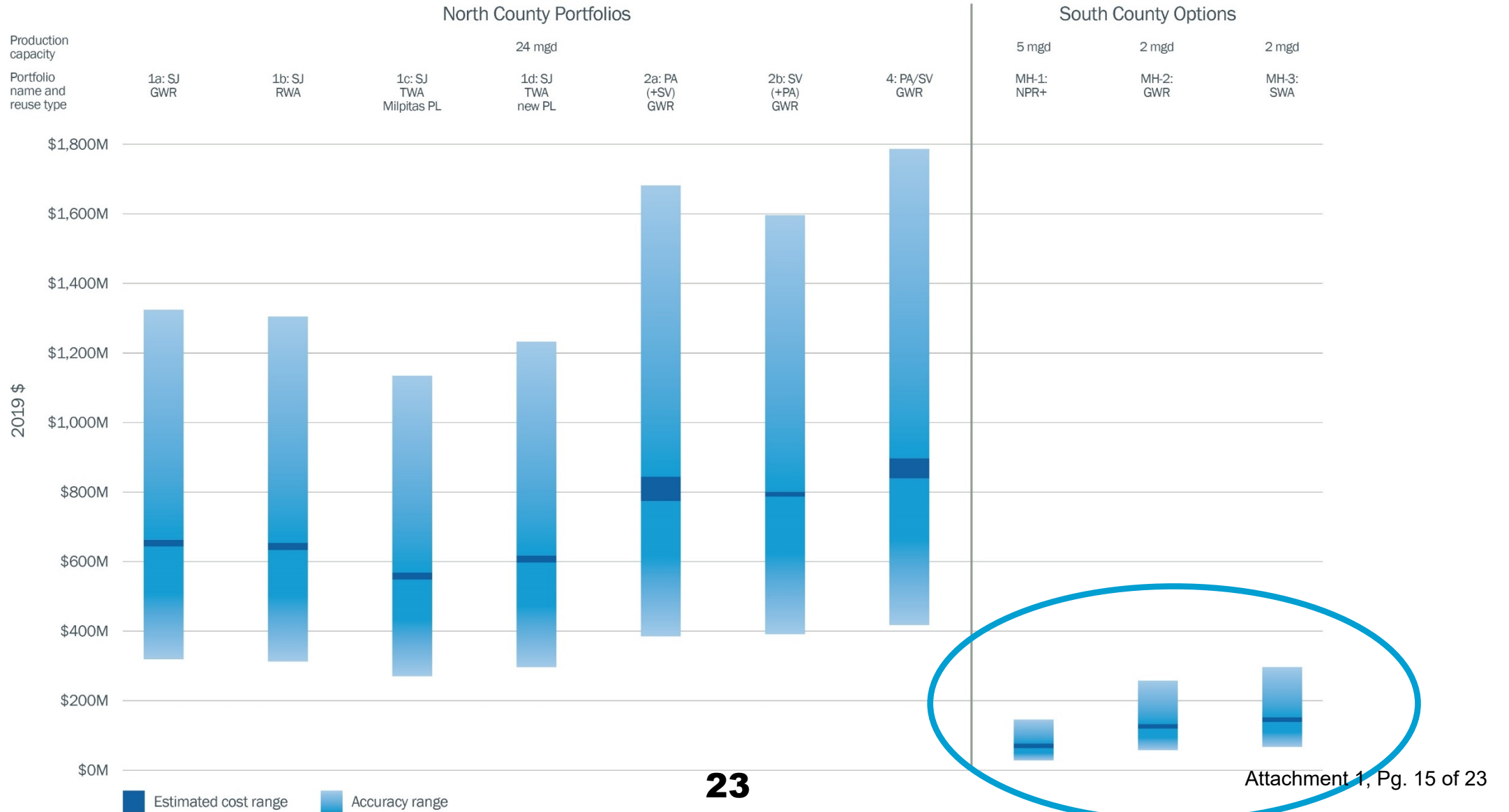
California Toxics Rule

SNMP

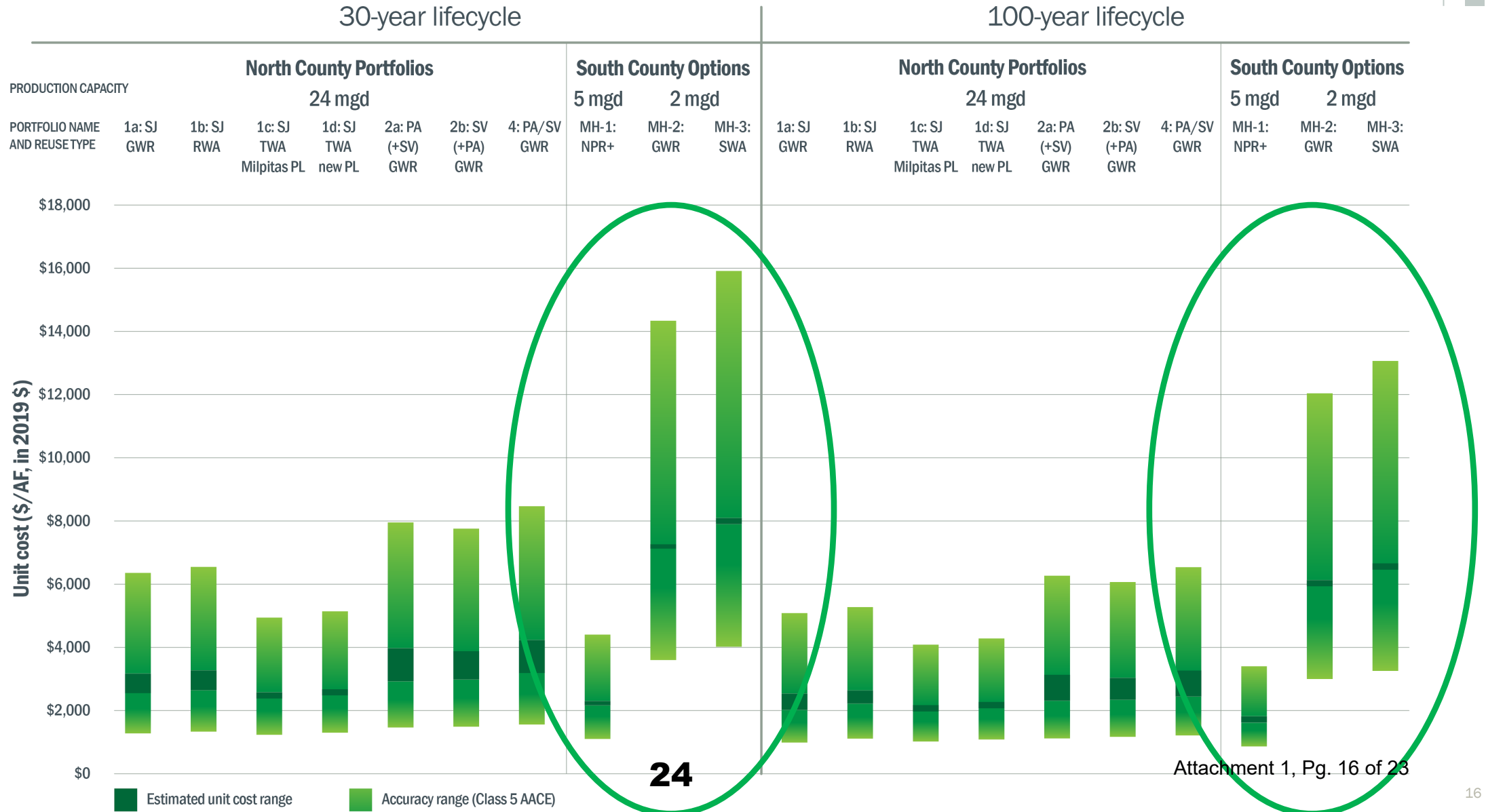
Anti-degradation

Chlorine residual

# Estimated Capital Costs

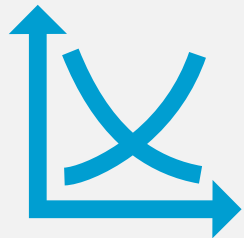


# Estimated Lifecycle Unit Costs



# Evaluation + Risk Analysis = Support Decision-Making

Criteria built into the CoRe evaluation tool



**Economics**



**Countywide  
(regional)  
supply reliability**



**Environmental  
impacts and benefits  
and sustainability**



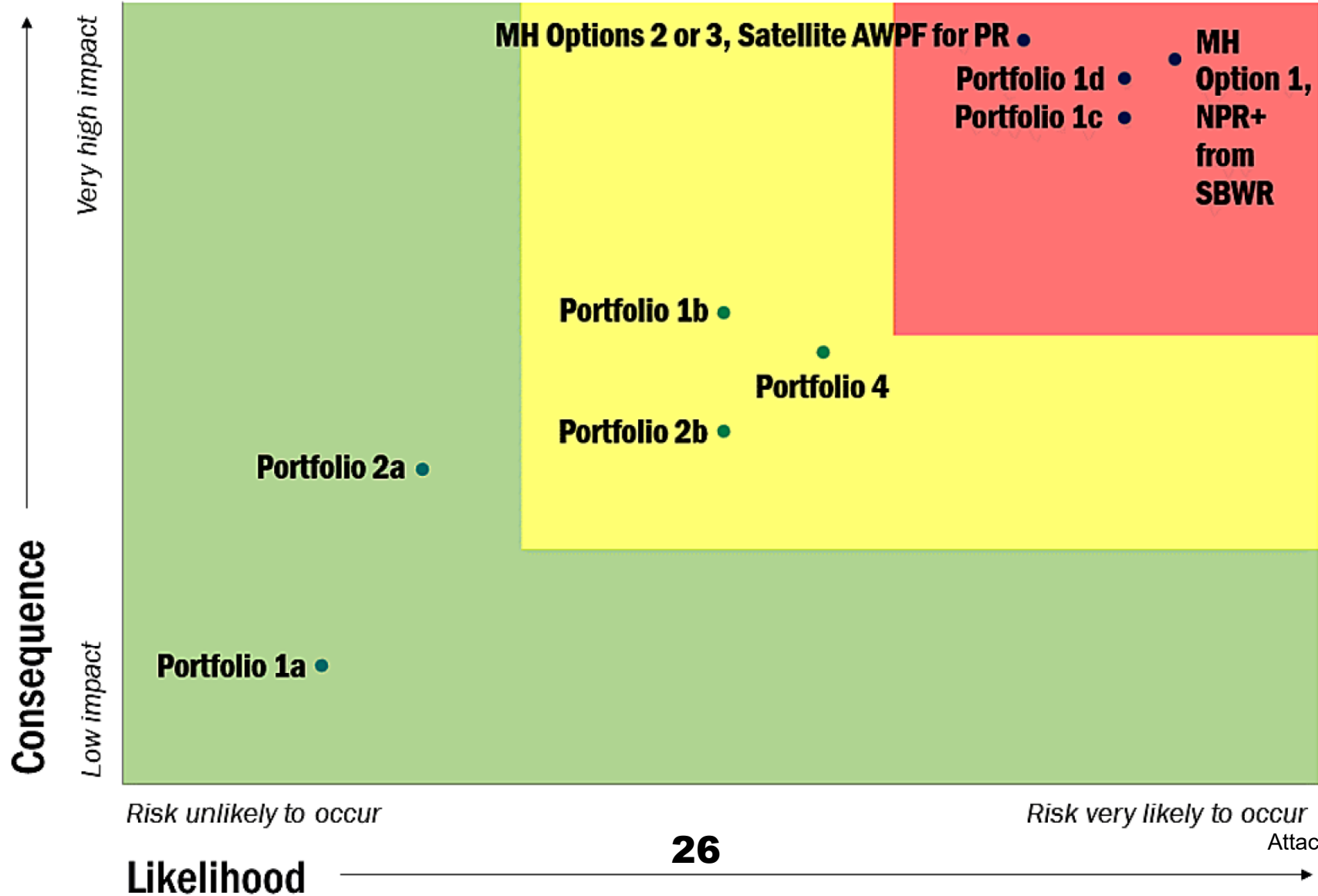
**Ease of  
implementation  
and regulatory  
compliance**



**Engineering  
feasibility**

*18 sub-criteria further define the 5 criteria and distinguish scoring*

# Evaluation + Risk Analysis = Support Decision-Making





# 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
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Re-evaluate Source Water Conditions and Expansion Potential

**DESIGN + CONSTRUCTION**

Preliminary Design	Detailed Design	Construction	Operations
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**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
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State Board Action  
Finalize RWA/TWA Regulations

**REGULATORY COMPLIANCE**

Regulatory Compliance Strategy and Plan	Final Permitting	Ongoing Regulatory Compliance Adaptations
EIS/R		

**PUBLIC OUTREACH**

30 Conduct Public Outreach
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Thank you.

Questions?



*with HydroScience Engineers, and Trussell Technologies Inc.*



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**Brown AND Caldwell**

Prepared for Valley Water



# Final Countywide Water Reuse Master Plan (CoRe Plan)

June 2021



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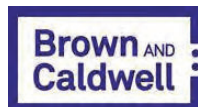
# Countywide Water Reuse Master Plan (CoRe Plan) Appendices

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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/4oM2H6hkxQ>



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# Santa Clara Valley Water District

File No.: 21-0827

Agenda Date: 8/4/2021

Item No.: 5.2.

## 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

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# Valley Water

Clean Water • Healthy Environment • Flood Protection



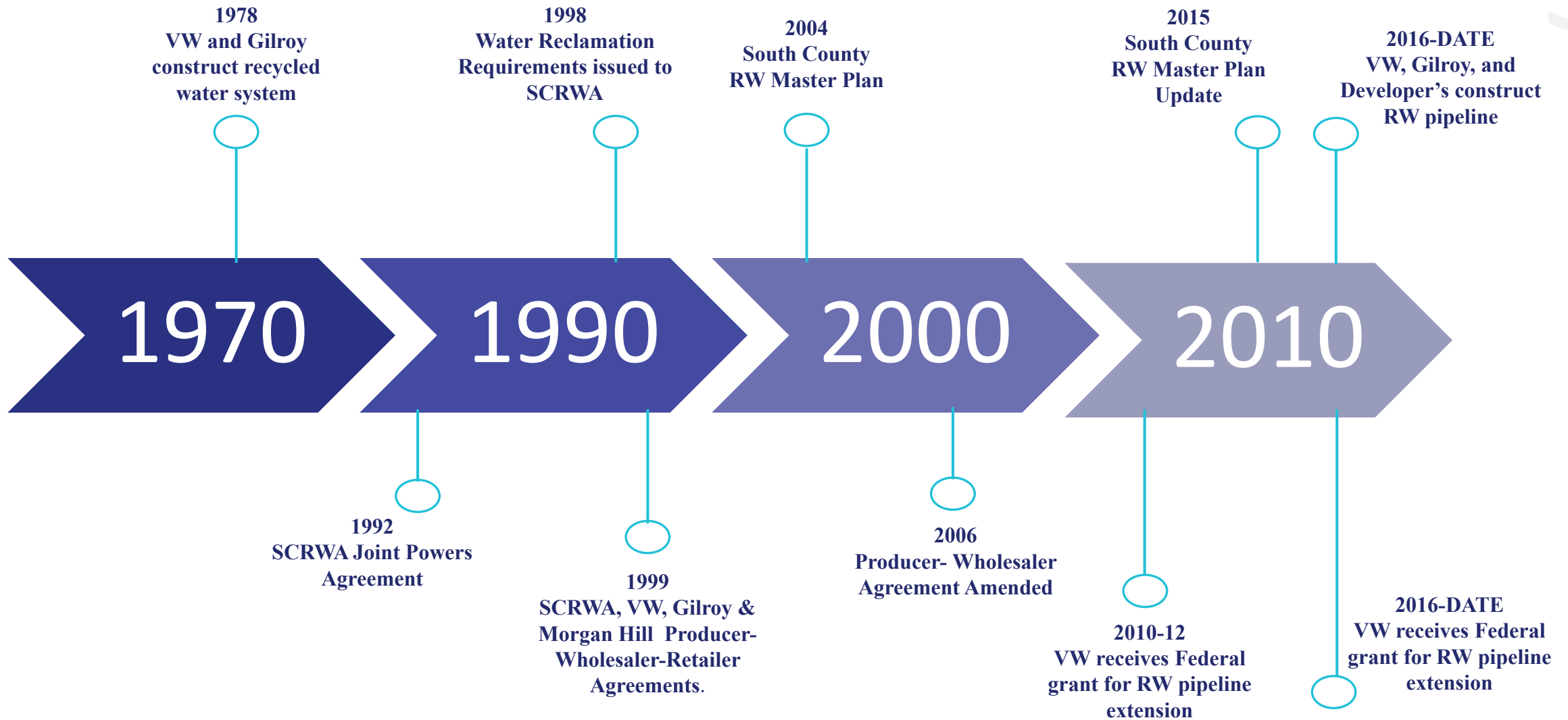
# South County Water Reuse Agreement Review and Development.

Presented by: XXXXXXXXXXXXXXX



# South County - History of Collaboration

3

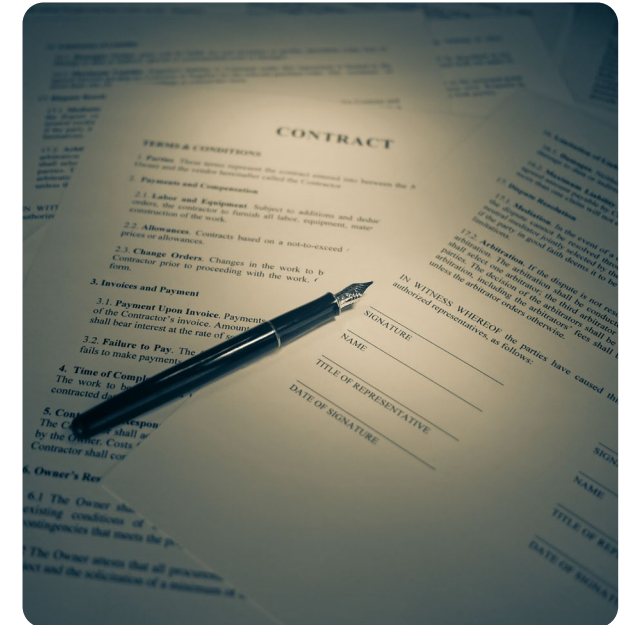


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# South County - History of Collaboration

4

- 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

5

- 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





# Valley Water

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# Santa Clara Valley Water District

File No.: 21-0828

Agenda Date: 8/4/2021  
Item No.: 5.3.

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## COMMITTEE AGENDA MEMORANDUM

### 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

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**File No.:** 21-0828

**Agenda Date:** 8/4/2021  
**Item No.:** 5.3.

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**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

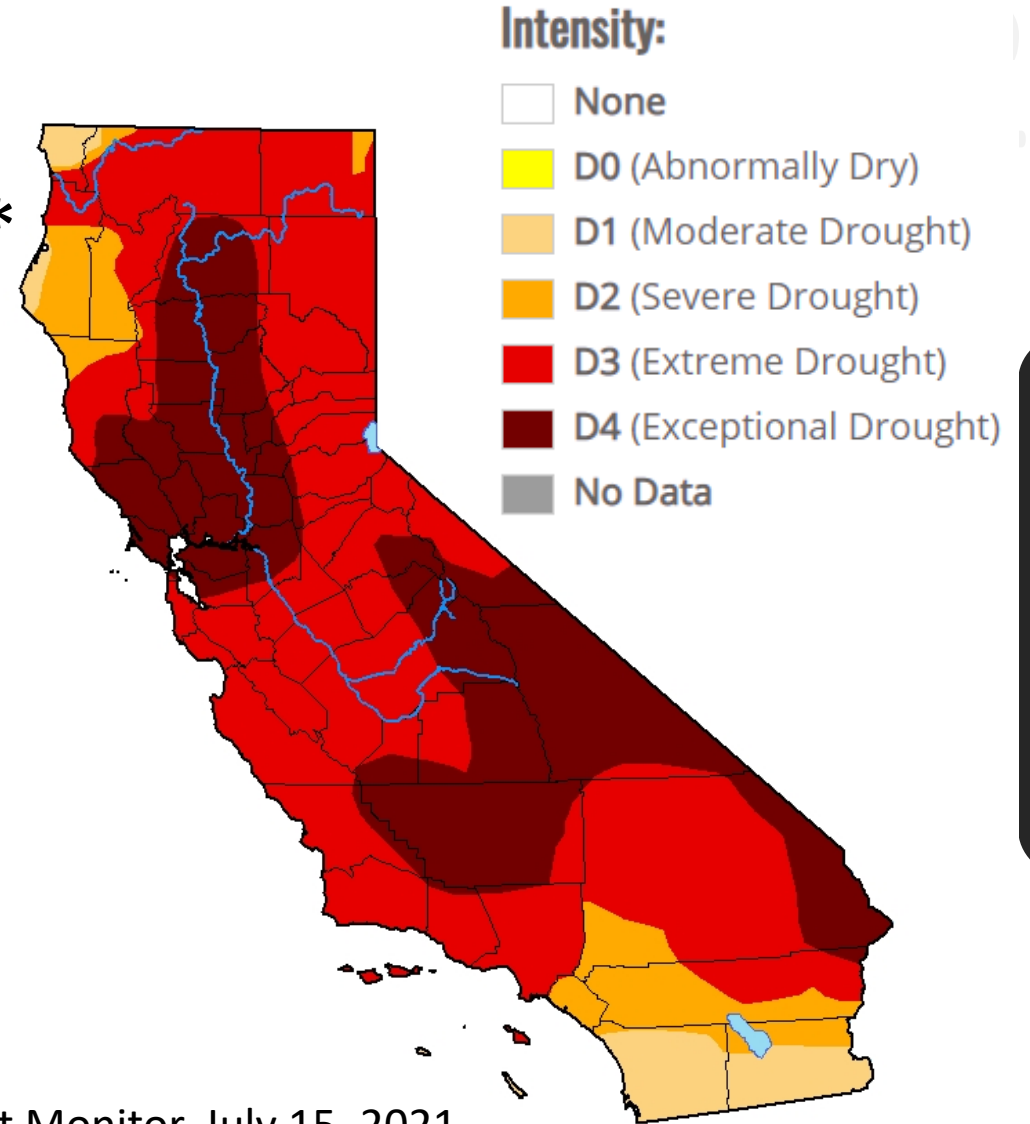
# Drought Status

Santa Clara County in **Extreme Drought**\*

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

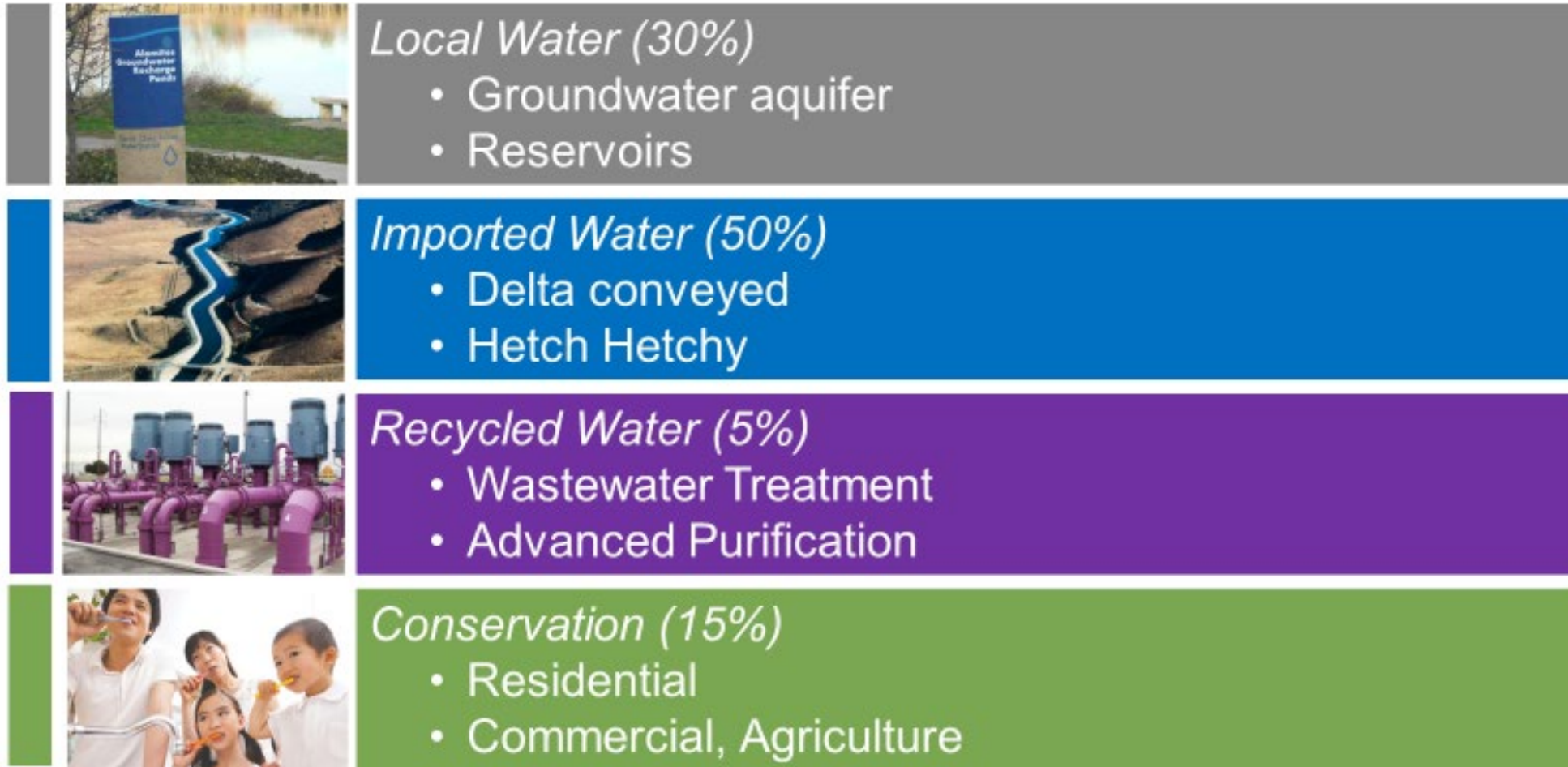
**June 22** - County proclaims drought

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



\*U.S. Drought Monitor, July 15, 2021

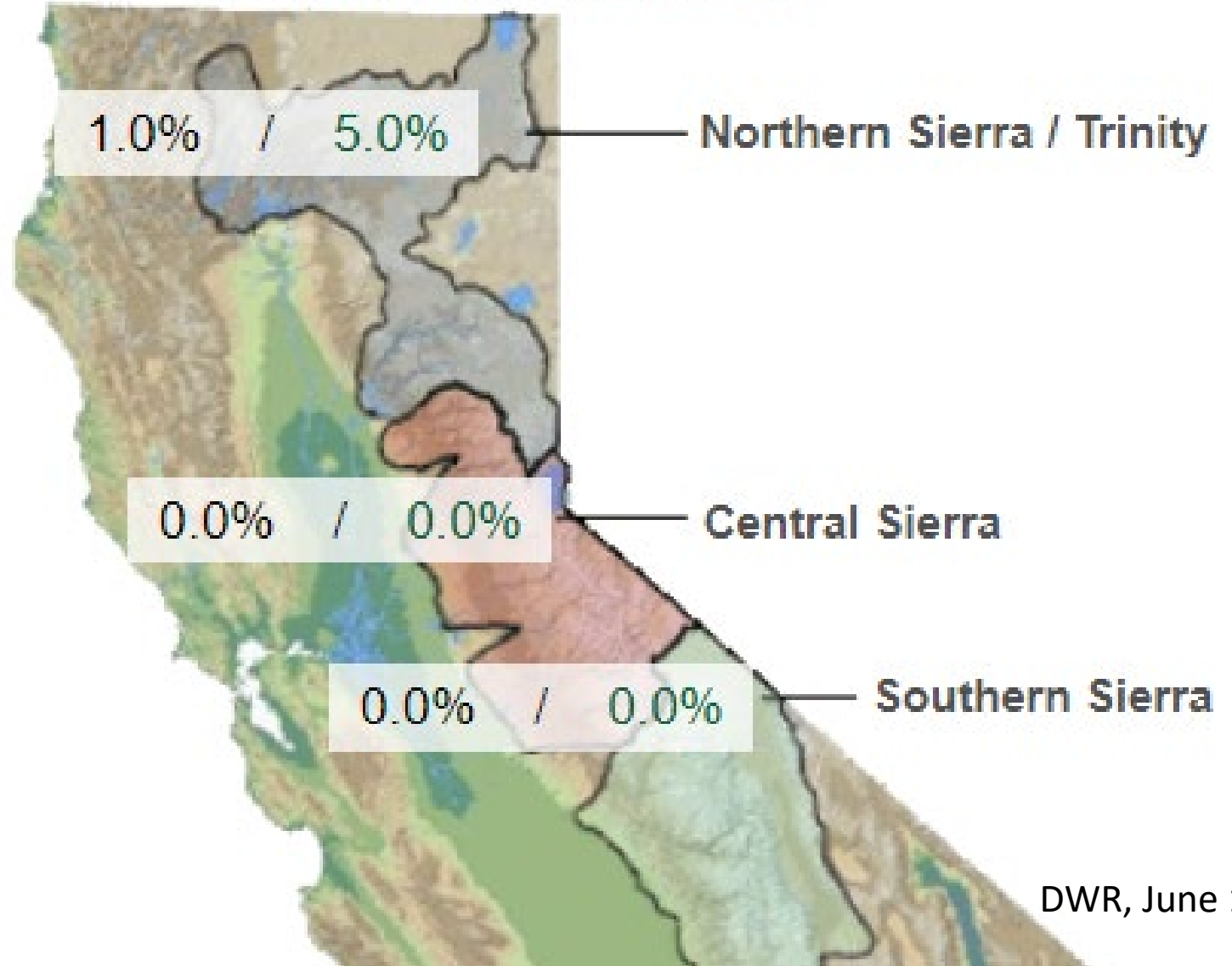
# Fifty percent of our water is imported



# State Snowpack:

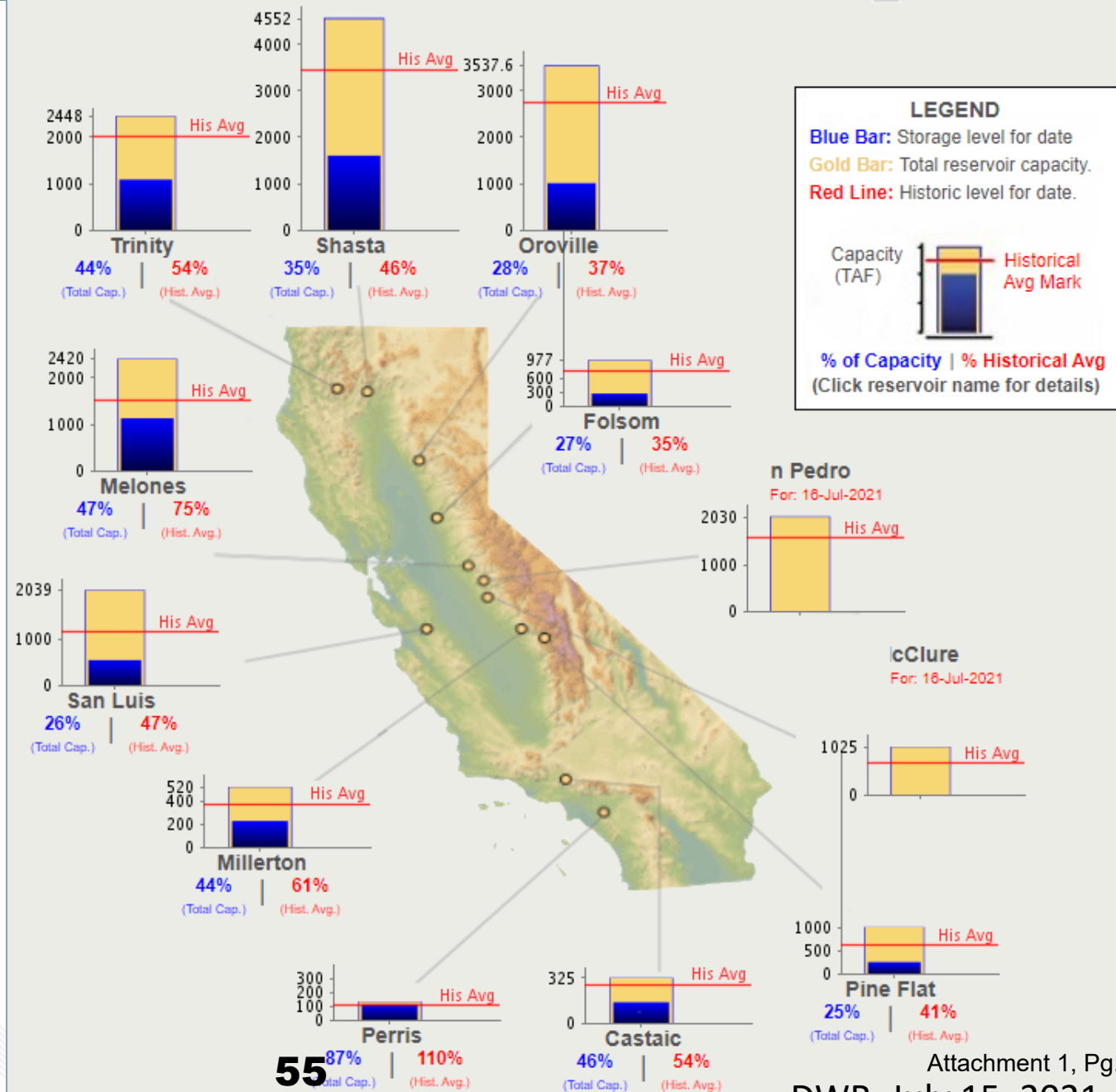
Zero percent of average

% Apr 1 Avg. / % Normal for this Date



DWR, June 1, 2021

# 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: (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 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.

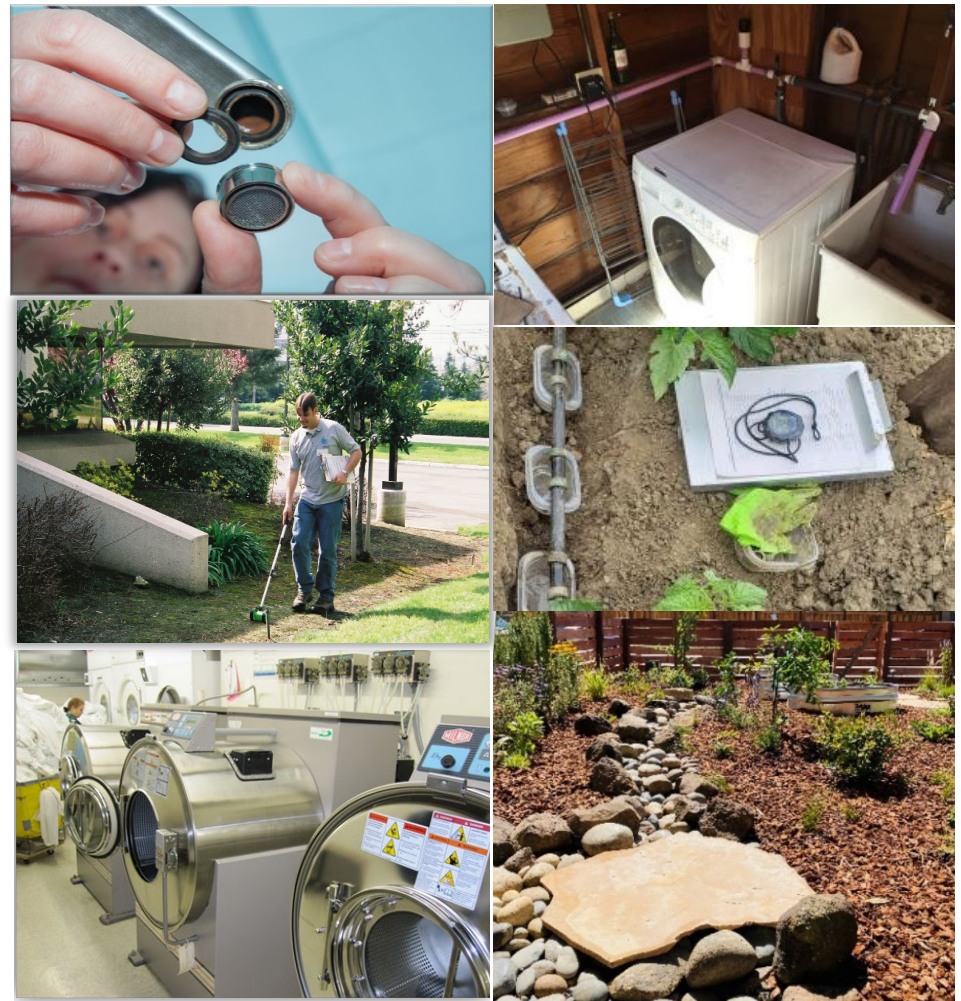
# Valley Water Drought Response

- 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



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# Agriculture Programs



- Mobile Irrigation Lab
- Efficient Irrigation Calculators
- Agricultural Water Use Baseline Study

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# Santa Clara Valley Water District

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**File No.:** 21-0831

**Agenda Date:** 8/4/2021

**Item No.:** 5.4.

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## COMMITTEE AGENDA MEMORANDUM

### Joint WRC with Cities of Gilroy/Morgan Hill/SCRWA

**SUBJECT:**

Review 2021 Joint Water Resources Committee Work Plan.

**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:**

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**File No.:** 21-0831

**Agenda Date:** 8/4/2021  
**Item No.:** 5.4.

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Michele King, 408-2630-2711



# 2021 Joint Water Resources Committee Workplan

<i>Category</i>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
South County Drinking Water Treatment Plant												
Countywide Water Supply Master Plan and South County Opportunities								X				
Open Space Credit Options Discussion												
South County Water Reuse Collaboration and Implementation								X				
Santa Clara County Drought Conditions								X				
<b>Standing Items</b>												
Elect Committee Chair (Annually)								X				
Approval of Meeting Minutes								X				
Review of Committee Work Plan								X				

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