



Santa Clara Valley Water District Water Supply and Demand Management Committee

Headquarters Boardroom
5750 Almaden Expressway, San Jose CA 95118
Join Zoom Meeting: <https://valleywater.zoom.us/j/92597340524#>

SPECIAL MEETING AGENDA

**Monday, November 4, 2024
10:00 AM**

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

COMMITTEE OFFICERS:

Richard Santos, Chairperson
Director District 3
Barbara Keegan, Vice Chairperson
Director District 2
Nai Hsueh, Member
Director District 5

All public records relating to an 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 for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarters Building, 5700 Almaden Expressway, San Jose, CA 95118, 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 attend Board of Directors' meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

STAFF LIAISONS:

Vincent Gin
Kirsten Struve
Ryan McCarter
Stephanie Simunic
(COB Liaison)
Deputy Clerk II
ssimunic@valleywater.org
1-408-630-2408

Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.

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Santa Clara Valley Water District
Water Supply and Demand Management Committee
SPECIAL MEETING
AGENDA

Monday, November 4, 2024

10:00 AM

Headquarters Boardroom

*****IMPORTANT NOTICES AND PARTICIPATION INSTRUCTIONS*****

Santa Clara Valley Water District (Valley Water) Board of Directors/Board Committee meetings are held as a “hybrid” meetings, conducted in-person as well as by telecommunication, and is compliant with the provisions of the Ralph M. Brown Act.

To maximize public safety while still maintaining transparency and public access, members of the public have an option to participate by teleconference/video conference or attend in-person. To observe and participate in the meeting by teleconference/video conference, please see the meeting link located at the top of the agenda. If attending in-person, you are required to comply with Ordinance 22-03 - AN ORDINANCE OF THE SANTA CLARA VALLEY WATER DISTRICT SPECIFYING RULES OF DECORUM FOR PARTICIPATION IN BOARD AND COMMITTEE MEETINGS located at <https://s3.us-west-2.amazonaws.com/valleywater.org.if-us-west-2/f2-live/s3fs-public/Ord.pdf>

In accordance with the requirements of Gov. Code Section 54954.3(a), members of the public wishing to address the Board/Committee during public comment or on any item listed on the agenda, may do so by filling out a Speaker Card and submitting it to the Clerk or using the “Raise Hand” tool located in the Zoom meeting application to identify yourself in order to speak, at the time the item is called. Speakers will be acknowledged by the Board/Committee Chair in the order requests are received and granted speaking access to address the Board.

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

Valley Water, in complying with the Americans with Disabilities Act (ADA), requests individuals who require special accommodations to access and/or participate in Valley Water Board of Directors/Board Committee meetings to please contact the Clerk of the Board’s office at (408) 630-2711, at least 3 business days before the scheduled meeting to ensure that Valley Water may assist you.

This agenda has been prepared as required by the applicable laws of the State of California, including but not limited to, Government Code Sections 54950 et. seq. and has not been prepared with a view to informing an investment decision in any of Valley Water’s bonds, notes or other obligations. Any projections, plans or other forward-looking

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

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

Join Zoom Meeting:
<https://valleywater.zoom.us/j/92597340524#>
Meeting ID: 9259 7340 524#
Join by Phone:
1 (669) 900-9128, 92597340524#

1. CALL TO ORDER:

1.1. Roll Call.

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

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

3. APPROVAL OF MINUTES:

3.1. Approval of September 23, 2024 Water Supply and Demand Management Committee (WSDMC) Minutes.

[24-0952](#)

Recommendation: Approve the minutes.

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

Attachments: [Attachment 1: 092324 WSDMC Mins. for Comm. approval](#)

Est. Staff Time: 5 Minutes

4. REGULAR AGENDA:

- 4.1. Receive an Update on Santa Clara Valley Water District's South County Managed Aquifer Recharge Activities. [24-0930](#)

Recommendation: Receive an update on Santa Clara Valley Water District's South County managed aquifer recharge activities and provide feedback.

Manager: Gregory Williams, 408-630-2867

Attachments: [Attachment 1: South County Recharge Facility Map](#)
[Attachment 2: South County Recharge Facility Capacity](#)
[Attachment 3: Powerpoint](#)

Est. Staff Time: 20 Minutes

- 4.2. Receive the Sustainable Groundwater Management Act (SGMA) Update. [24-0933](#)

Recommendation: Receive an update on the status of groundwater basins pursuant to the Sustainable Groundwater Management Act.

Manager: Gregory Williams, 408-630-2867

Attachments: [Attachment: 1 PowerPoint](#)

Est. Staff Time: 40 Minutes

- 4.3. Receive Update on the B.F. Sisk Dam Raise and Reservoir Expansion Project, including (provisional) agreement on terms of Management and Cost Share Agreement Between San Luis Delta Mendota Water Authority and U.S. Bureau of Reclamation. [24-0918](#)

Recommendation: Receive an update on the B.F. Sisk Dam Raise and Reservoir Expansion Project, including (provisional) agreement on terms of Management and Cost Share Agreement Between San Luis Delta Mendota Water Authority and U.S. Bureau of Reclamation.

Manager: Vincent Gin, 408-630-2633

Attachments: [Attachment 1: PowerPoint](#)

Est. Staff Time: 45 Minutes

- 4.4. Receive an Update on Los Vaqueros Reservoir Expansion Project. [24-0926](#)

Recommendation: Receive an update and discuss the Los Vaqueros Reservoir Expansion Project.

Manager: Vincent Gin, 408-630-2633

Est. Staff Time: 15 Minutes

- 4.5. Review and Discuss the Water Supply and Demand Management Committee (WSDMC) Work Plan. [24-0947](#)

Recommendation: Review and discuss the WSDMC Work Plan.

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

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

Est. Staff Time: 10 Minutes

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

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

6. ADJOURN:

6.1. Adjourn to Regular Meeting at 10 a.m. on Monday, November 25, 2024.



Santa Clara Valley Water District

File No.: 24-0952

Agenda Date: 11/4/2024

Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM **Water Supply and Demand Management Committee**

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

SUBJECT:

Approval of September 23, 2024 Water Supply and Demand Management Committee (WSDMC) 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.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

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

ATTACHMENTS:

Attachment 1: 092324 WSDMC Mins. for Comm. approval

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193

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WATER SUPPLY AND DEMAND
MANAGEMENT COMMITTEE MEETING

DRAFT MINUTES

**REGULAR MEETING
MONDAY, SEPTEMBER 23, 2024
10:00 AM**

(Paragraph numbers coincide with agenda item numbers)

1. CALL TO ORDER:

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

1.1. Roll Call.

Committee members in attendance were:

District 3 Director Richard Santos, Chairperson presiding, District 2 Director Barbara Keegan, Vice Chairperson, and District 5 Director Nai Hsueh, constituting a quorum of the Committee.

Staff members in attendance were:

Gina Adriano, Karen Adriano, Antonio Alfaro, Aaron Baker, Roseryn Bhudsabourg, Justin Burks, Rick Callender, Rita Chan, Philip Dolan, Andrew Garcia, Vincent Gin, Andy Gschwind, Ian Henriquez, Linh Hoang, Jenn Hou, Dana Jacobson, Cindy Kao, Matt Keller, Candice Kwok-Smith, Jess Lovering, Cesar Lucatero, Jason Ly, Katherine Mahar, Julianne O'Brien, Carlos Orellana, Steve Peters, Long Pham, Metra Richert, Ashley Shannon, Nicholas Simard, Stephanie Simunic, Kirsten Struve, Charlene Sun, Darin Taylor, Sana Wazit, Jing Wu.

Public in attendance were:

District 1 Director John Varela, Molly Culton and Katja Irvin (Sierra Club), Shiloh Ballard, Kurt Elvert (San Jose Water), Chuck Gardner (Hallmark Group), Ian Henriquez, and Arthur Keller.

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

Chairperson Santos declared time open for public comment on any item not on the agenda. There was no one who wished to speak.

3. APPROVAL OF MINUTES:

3.1 Approval of August 26, 2024 Water Supply and Demand Management Committee (WSDMC) Minutes.

Recommendation: Approve the minutes.

The Committee considered the minutes of the August 26, 2024 Water Supply and Demand Management Committee (WSDMC) meeting.

Public Comments: None.

It was moved by Director Hsueh, seconded by Vice Chairperson Keegan, and unanimously carried, to approve the August 26, 2024 WSDMC minutes.

4. REGULAR AGENDA:

4.1 Receive an update on the State of California's Making Conservation a California Way of Life regulatory framework and Valley Water programs and policies that support implementation and compliance.

Philip Dolan reviewed the information on this item, per the attached Committee Agenda Memo and in the attachment and was available to answer questions.

Discussion ensued relating to how success is measured for residents, simplifying water bills for residents, Advanced Metering Infrastructure, and communication with cities through the Water Conservation Subcommittee and retailers relating to regulation milestones.

In response to an inquiry from Director Hsueh, Mr. Dolan stated the beginning in 2027 the State can enforce fines through issuing correction action letters or fines to retailers that aren't compliant in meeting goals. He further answered gallons per capita per day information for individuals from retailers is still in process as regulations are recent, and the State is working on efforts to frame that information.

In response to an inquiry from Chairperson Santos, Kirsten Struve stated that there is a communication subcommittee of the retailer's and toolkits are sent to communicate with customers.

Public Comments: Arthur Keller inquired about cities that have adopted Model Water Efficient Ordinance for New Development (MWENDO). Roseryn Bhudsabourg answered none at this time, but several cities are considering bringing MWENDO to their elected bodies this year. Director Hsueh noted the upcoming city building code revisions cycle and bringing MWENDO to the cities.

Vice Chairperson Keegan stated the possibility of supporting Statewide legislation relating to water conservation requirements. Antonio Alfaro confirmed Valley Water supports legislation promoting water conservation.

The Committee received the information, provided positive feedback and took no formal action.

4.2 Provide an update on Valley Water’s new water conservation programs and pilots and receive Board feedback.

Ashley Shannon reviewed the information on this item, per the attached Committee Agenda Memo and in the attachment and was available to answer questions.

Vice Chairperson Keegan commended the partnership with South Bay Green Gardens, complimented the landscape designs, and suggested including an elevation view rendering. Staff confirmed the Annual Landscape Summit is planned for February 2025.

Public Comments: Arthur Keller asked about effects of El Nino or La Nina. Staff answered preparations will occur for flood or drought.

The Committee received the information, provided positive feedback and took no formal action.

4.3. Receive an update on the B.F. Sisk Dam Raise and Reservoir Expansion Project.

Dana Jacobson reviewed the information on this item, per the attached Committee Agenda Memo and was available to answer questions.

He stated that an agreement was reached in principle for cost share and management agreement, details will be provided to the Committee in the next few months with a staff recommendation for the Committee in fall 2024, and a commemorative event is scheduled for October 2024.

Public Comments: None

The Committee received the information, provided positive feedback and took no formal action.

4.4 Review and Discuss the Water Supply and Demand Management Committee (WSDMC) Work Plan.

Stephanie Simunic stated that there is no presentation and is available for questions.

Vincent Gin announced that the Contra Costa Water District (CCWD) Board directed the General Manager to develop an approach to end CCWD's participation in the Los Vaqueros Reservoir Expansion Project.

Public Comments: None

The Committee received the information and took no formal action.

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS:

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

There was no report and the Committee took no action.

6. Adjourn:

6.1. Adjourn to Regular Meeting at 10:00 a.m. on Monday October 28, 2024.

Chairperson Santos adjourned the meeting at 10:51 a.m., to the next regular meeting on Monday October 28, 2024 at 10:00 a.m. The meeting was subsequently cancelled and rescheduled to Monday November 4, 2024, at 10:00 a.m.

Date Approved:

Stephanie Simunic
Assistant Deputy Clerk II



Santa Clara Valley Water District

File No.: 24-0930

Agenda Date: 11/4/2024

Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM **Water Supply and Demand Management Committee**

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

SUBJECT:

Receive an Update on Santa Clara Valley Water District's South County Managed Aquifer Recharge Activities.

RECOMMENDATION:

Receive an update on Santa Clara Valley Water District's South County managed aquifer recharge activities and provide feedback.

SUMMARY:

Managed aquifer recharge continues to be essential for groundwater sustainability throughout Santa Clara County, but particularly in South County where local communities depend almost entirely on groundwater. Santa Clara Valley Water District's (Valley Water) managed recharge using local and imported surface water helps balance groundwater pumping, and long-term planning helps ensure continued reliability far into the future. This memorandum describes Valley Water's South County recharge program and related projects that are being evaluated as part of the Water Supply Master Plan update.

Background

For many decades, the amount of groundwater pumped in Santa Clara County has exceeded what is replenished naturally by rainfall or other sources. To ensure local groundwater supplies are sustainable, Valley Water augments natural groundwater recharge through the managed recharge of local and imported surface water. Water conservation and recycling programs as well as treated water deliveries (North County only) also protect groundwater supplies by reducing the need for groundwater pumping.

Each year, Valley Water determines optimal water supply operations, including managed recharge, based on available supplies and local needs. Long-term water reliability is evaluated through Valley Water's Water Supply Master Plan and Urban Water Management Plan, which assess projected future supplies and demands and are updated every five years. Investments and projects to meet

projected future shortfalls and ensure continued reliability are identified in the Water Supply Master Plan.

Current South County Recharge Facilities

South County overlies all or part of both primary groundwater basins in the county. This includes the Coyote Valley portion of the Santa Clara Subbasin (which extends north from the Cochrane Road area in northern Morgan Hill to the Coyote Narrows near Metcalf Road in San José) and the entire Llagas Subbasin (which extends south from Cochrane Road to the Pájaro River that forms part of the boundary with San Benito County). Based on 2010 to 2019 data, average South County annual pumping is 53,500 acre-feet per year (AFY), while natural recharge is estimated to be 24,500 AFY. To address this imbalance, Valley Water recharges 35,500 AFY of local and imported surface water, on average.

Using established local surface water rights at Uvas, Chesbro, Coyote, and Anderson reservoirs, Valley Water captures and stores large volumes of upper watershed stormwater runoff for delivery to groundwater recharge facilities in South County. Valley Water also has contracts with both the State Water Project and Central Valley Project to receive imported water via San Luis Reservoir and the federal San Felipe Division system and uses it for managed recharge in South County. In-stream and off-stream recharge facilities are located in areas with permeable soils that are connected to deep drinking water aquifers.

Valley Water operates three groundwater recharge systems in South County as shown in Attachment 1. Releases into Coyote Creek replenish groundwater in the Coyote Valley and extend into North County. The Upper and Lower Llagas recharge systems replenish the Llagas Subbasin, which support communities in the cities of Morgan Hill and Gilroy as well as unincorporated areas including San Martin. In addition to municipal wells, thousands of privately owned domestic, agricultural, and industrial wells depend on local groundwater. As summarized in Table 1, the annual recharge capacity of South County managed recharge facilities is over 54,000, with most capacity in creeks as compared to off-stream ponds. Attachment 2 provides more detailed information on the recharge capacity of individual facilities within the South County recharge systems.

Table 1 - South County Managed Recharge Facility Capacity Summary

Groundwater Management Area	In-Stream Recharge (AF)	Off-Stream Recharge (AF)	Total Recharge (AF)
Coyote Valley (Santa Clara Subbasin)	14,600	0	14,600
Llagas Subbasin	25,000	14,700	39,700
Total	39,600	14,700	54,300

Note: The annual recharge capacity shown assumes water is available all year and that ponds are in normal operational condition.

Potential South County Recharge Projects

Valley Water investments in reservoirs, imported water, and recharge have ensured reliable South County groundwater conditions for many decades. Valley Water closely monitors groundwater levels and prioritizes recharge to groundwater-dependent communities like South County, particularly

during droughts. Groundwater recharge is essential for long-term reliability and has played a critical role in quick drought recovery. With "weather whiplash" (frequent shifts between extremely wet and dry years) becoming more common and the high local reliance on groundwater, there is a need for additional recharge capacity in South County.

Several South County managed recharge projects are being evaluated through the Water Supply Master Plan 2050, including:

- a) Madrone Channel Expansion - to increase recharge capacity to the existing facility by adding one to two ponds on land owned by Valley Water;
- b) Coyote Valley Recharge Pond - to construct a new off-stream recharge pond(s) near the Cross Valley Pipeline to increase operational flexibility, reduce reliance on Coyote Creek flows, and help balance increased pumping;
- c) Butterfield Channel Recharge - to connect the Butterfield Channel that is owned by the City of Morgan Hill to Valley Water's raw water conveyance system so imported water can be recharged when the channel is not used for stormwater flows; and
- d) San Pedro Ponds Improvement Project - to implement project(s) to enable the existing seven ponds to be operated at full capacity without interfering with septic systems on several adjacent residential properties in the unincorporated areas of Santa Clara County.

Not all four managed recharge projects are needed to ensure reliable groundwater supplies, and most of these projects are in the early conceptual phase. More substantial evaluation has been conducted for the San Pedro Ponds, with a recent study that identified eight alternatives that could fully or partially restore the 4,700-AFY operating capacity of the San Pedro Ponds. The study looked at addressing the impacts of high groundwater table on septic systems in properties surrounding the San Pedro Ponds. Staff will continue to evaluate which of the four managed recharge projects will best support water supply needs.

In addition to managed recharge projects at Valley Water facilities, staff continues to explore the feasibility of Flood Managed Aquifer Recharge (Flood-MAR) in Santa Clara County. As described in prior Committee updates, staff is working to develop a pilot Flood-MAR program to augment Valley Water's extensive managed recharge program..

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

There are no environmental justice impacts associated with this item.

ATTACHMENTS:

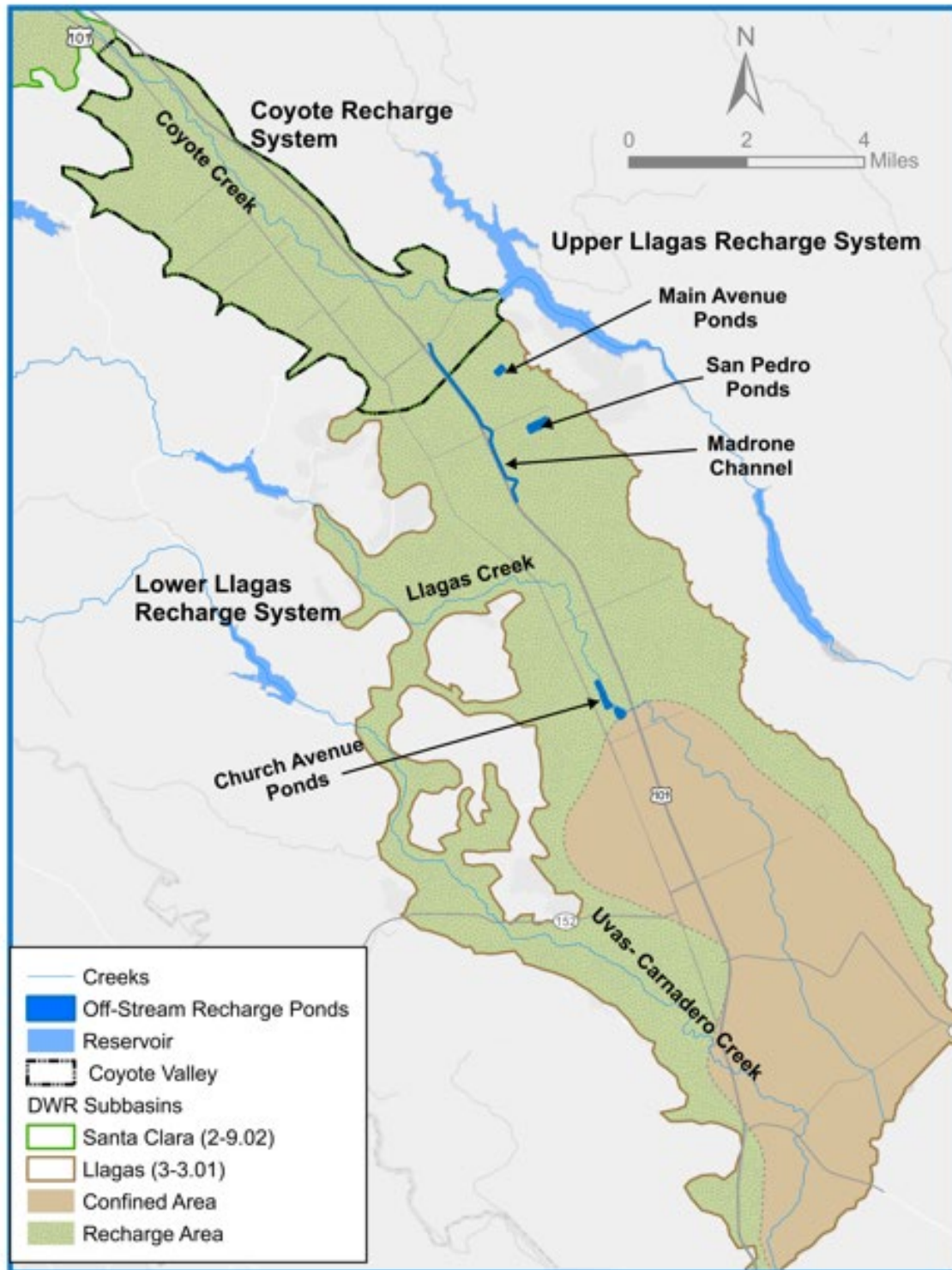
- Attachment 1: South County Recharge Facility Map
- Attachment 2: South County Recharge Facility Capacity
- Attachment 3: Powerpoint

File No.: 24-0930

Agenda Date: 11/4/2024
Item No.: 4.1.

UNCLASSIFIED MANAGER:
Gregory Williams, 408-630-2867

South County Managed Recharge Facility Map



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South County Managed Recharge Facility Capacity

Groundwater Management Area	Recharge System	In-Stream Recharge (Creeks)	Annual Creek Recharge Capacity (AF) ¹	Off-Stream Recharge (Ponds)	Annual Pond Recharge Capacity (AF) ¹
Coyote Valley (Santa Clara Subbasin)	Coyote Creek	Upper Coyote Creek	14,600		
		Creek Total	14,600	Pond Total	0
		Coyote Creek Recharge System Total: 14,600			
Llagas Subbasin	Upper Llagas	Madrone Channel	10,000		
		East Little Llagas	1,100		
				Main Avenue Ponds	2,700
				San Pedro Ponds	4,700
		Creek Total	11,100	Pond Total	7,400
		Upper Llagas Recharge System Total: 18,500			
	Lower Llagas	Uvas Creek	8,100		
		Llagas Creek	5,800		
				Church Ponds	7,300
		Creek Total	13,900	Pond Total	7,300
		Lower Llagas Recharge System Total: 21,200			

1. The annual recharge capacity shown assumes water is available all year and that ponds are in normal operational condition.

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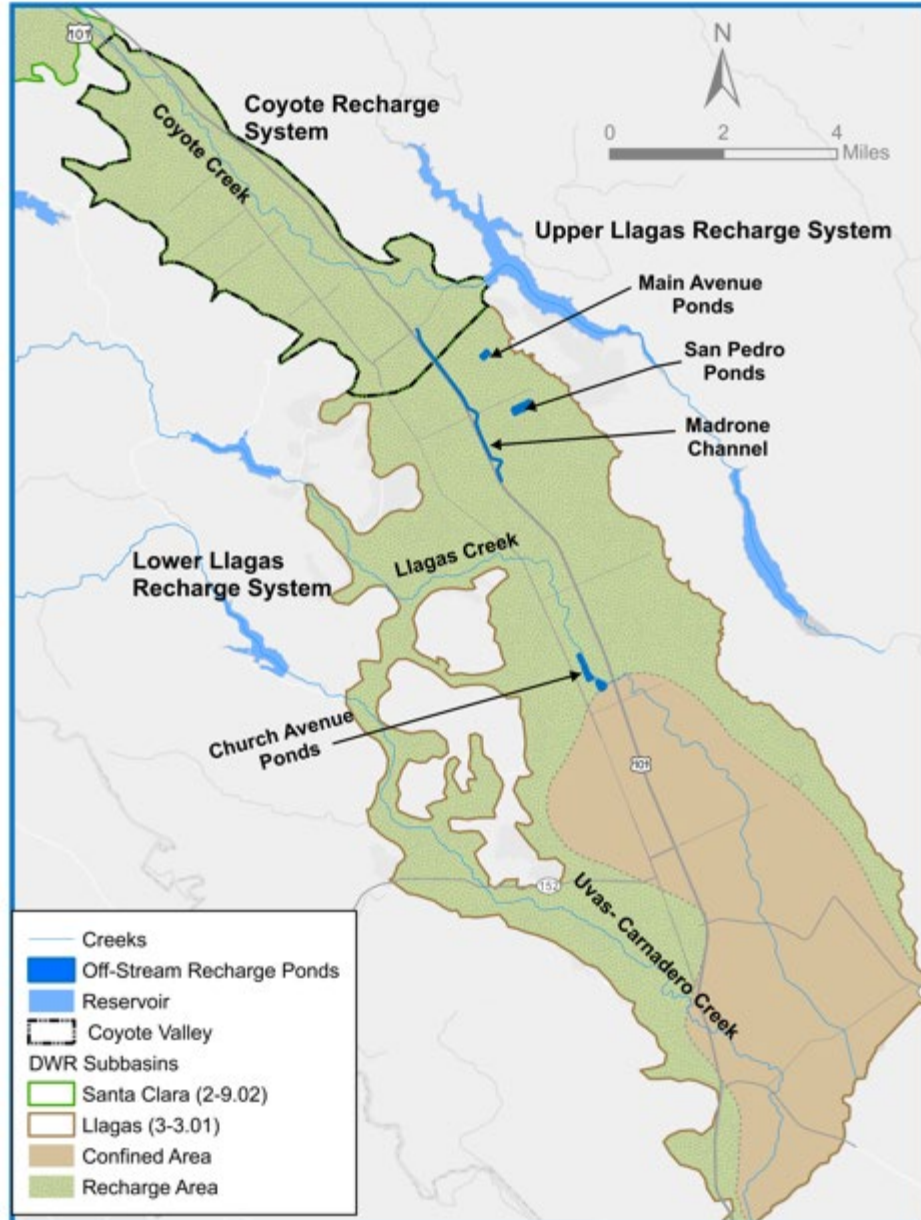
South County Recharge

Water Supply and Demand Management Committee **21**

November 4, 2024

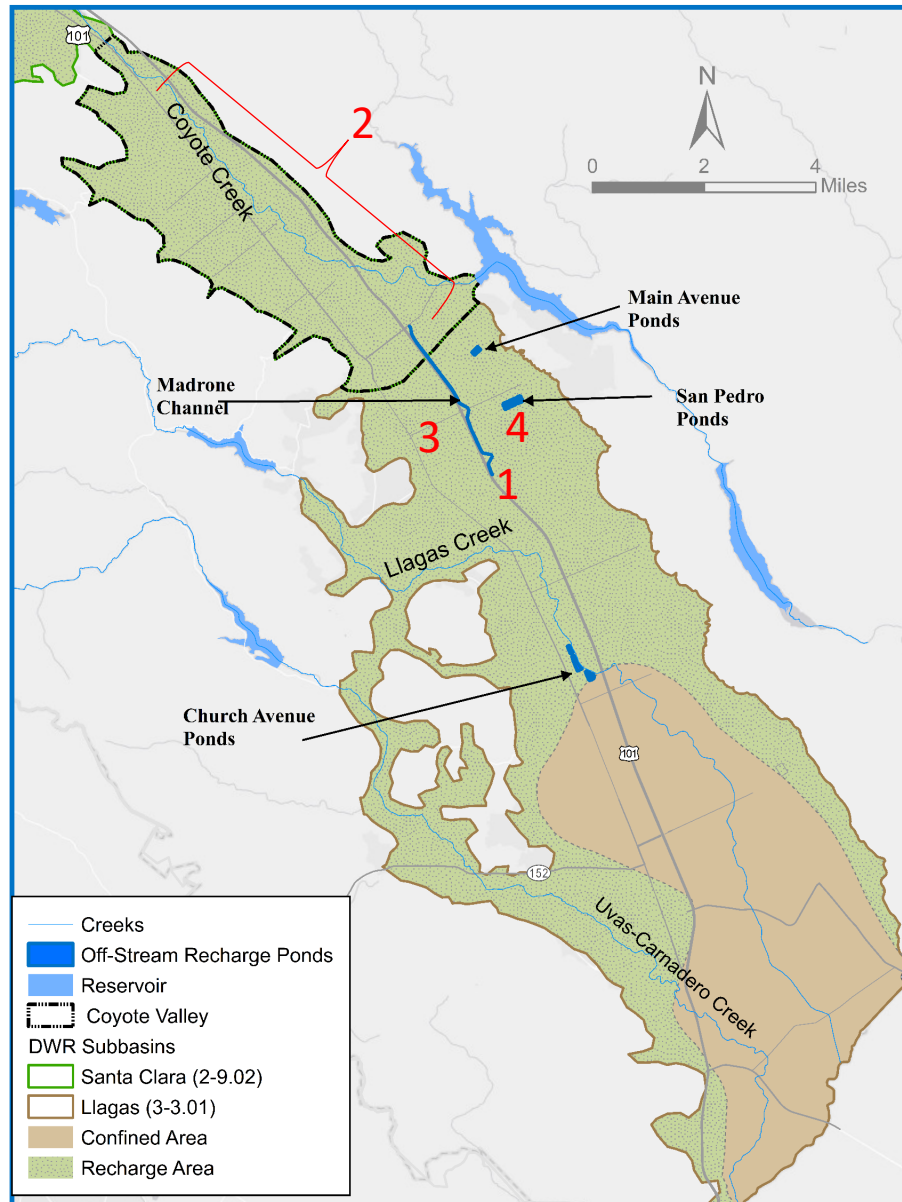
Attachment 3
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Current South County Recharge Facilities



- Managed recharge supports:
 - Municipal wells for cities and unincorporated areas
 - Thousands of privately owned domestic, agricultural, and industrial wells
- Three recharge systems
 - Coyote
 - Upper Llagas
 - Lower Llagas
- In-stream recharge from reservoirs
- Off-stream recharge ponds

Potential South County Recharge Projects



1. **Madrone Channel Expansion:** increase recharge capacity to the existing facility
2. **Coyote Valley Recharge Pond:** construct new off-stream recharge pond(s)
3. **Butterfield Channel Recharge:** connect the Butterfield Channel to Valley Water's raw water conveyance system
4. **San Pedro Ponds Improvement Project:** implement project(s) to enable existing ponds to be operated at full capacity without interfering with nearby septic systems

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Santa Clara Valley Water District

File No.: 24-0933

Agenda Date: 11/4/2024

Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM Water Supply and Demand Management Committee

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

SUBJECT:

Receive the Sustainable Groundwater Management Act (SGMA) Update.

RECOMMENDATION:

Receive an update on the status of groundwater basins pursuant to the Sustainable Groundwater Management Act.

SUMMARY:

The Sustainable Groundwater Management Act (SGMA) requires that a groundwater sustainability agency (GSA) managing a groundwater basin ranked as medium- or high-priority submit a groundwater sustainability plan (GSP) or Alternative to a GSP (Alternative) to the Department of Water Resources (DWR) by certain statutory deadlines. SGMA provides GSAs with various groundwater management authorities to implement GSPs or Alternatives with the goal of achieving sustainable groundwater conditions. This item presents a brief update on SGMA status for the following groundwater basins:

- Santa Clara and Llagas Subbasins in Santa Clara County, managed exclusively by Valley Water
- North San Benito Subbasin in Santa Clara and San Benito counties, managed primarily by San Benito County Water District, and
- Kern County Subbasin in Kern County, in which the Semitropic groundwater bank is located, managed by several Kern area GSAs.

Santa Clara and Llagas Subbasins

Valley Water is the exclusive GSA for the high-priority Santa Clara and Llagas subbasins, which are located entirely in Santa Clara County and have been actively and sustainably managed for many decades. For initial SGMA compliance, Valley Water submitted the 2016 Groundwater Management Plan (GWMP) for the Santa Clara and Llagas subbasins to DWR as an Alternative. DWR approved the Alternative in 2019, confirming it satisfies the objectives of, and complies with, SGMA.

In December 2021, Valley Water submitted our 2021 GWMP to DWR as the first periodic evaluation of the approved Alternative (SGMA requires ongoing plan evaluations at least every five years). In June 2024, DWR approved the 2021 GWMP, confirming it was responsive to DWR comments on the 2016 GWMP, satisfies the objectives of SGMA, and complies with SGMA and related regulations. DWR provided several minor recommendations that Valley Water will integrate into the next periodic evaluation, due in December 2026. Valley Water continues to submit required Water Year reports by April 1 of each year. Implementation of the comprehensive groundwater management activities described in the GWMP helps Valley Water ensure continued sustainable groundwater conditions in the Santa Clara and Llagas subbasins.

North San Benito Subbasin

Valley Water is also the GSA for the small portions of the North San Benito Subbasin located in Santa Clara County. Nearly all of this medium-priority basin is in San Benito County, so the San Benito County Water District GSA leads SGMA compliance efforts (including GSP development and implementation) in coordination with Valley Water. After being adopted by the Board of Directors for both agencies, the North San Benito Subbasin GSP was submitted to DWR in January 2022. In July 2023, DWR approved the GSP, indicating it satisfies the objectives of SGMA and substantially complies with SGMA and its regulations. The DWR assessment includes four recommendations that will need to be addressed in the first periodic evaluation, which is due by January 2027. The assessment can be viewed on the SGMA portal at sgma.water.ca.gov.

Kern County Subbasin

Semitropic Groundwater Storage Bank (Semitropic) lies within the Kern County Subbasin. In January 2022, DWR determined that the GSPs submitted for this subbasin in January 2020 were incomplete. Revised GSPs were submitted in July 2022, and DWR determined that the revised GSPs were inadequate and referred the subbasin to the State Water Resources Control Board (State Water Board) in March 2023. In July 2024, State Water Board released its draft Staff Report on the Kern County Subbasin, recommending that the State Water Board designated the subbasin as probationary. The State Water Board's draft Staff Report states the board staff would need to evaluate whether water banked in groundwater banks utilizing in-lieu recharge, such as those in Semitropic, should be considered native groundwater, rather than stored imported surface water, subjected to SGMA reporting and fees.

The probationary hearing is scheduled for February 20, 2025. If the State Water Board decides to place the subbasin on probation, State Water Board may require groundwater extractors to report extractions and pay fees. The subbasin will have at least one year to fix deficiencies; if deficiencies are not fixed after at least one year, the State Water Board may implement an interim plan for the subbasin.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

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

File No.: 24-0933

Agenda Date: 11/4/2024
Item No.: 4.2.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Gregory Williams, 408-630-2867



Sustainable Groundwater Management Act (SGMA) Update

Water Supply and Demand Management Committee
November 4, 2024

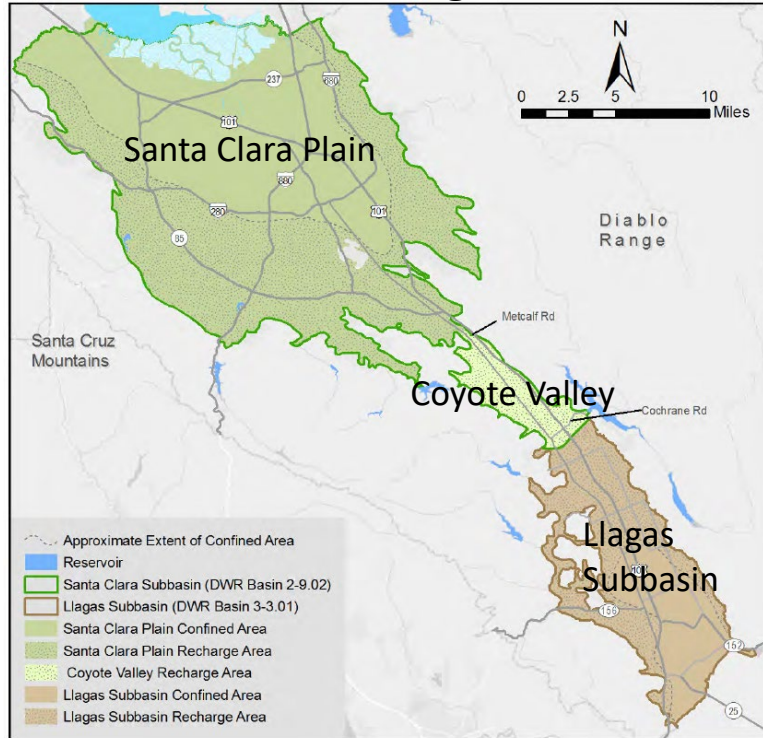
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Attachment 1
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Local Basins Subject to SGMA

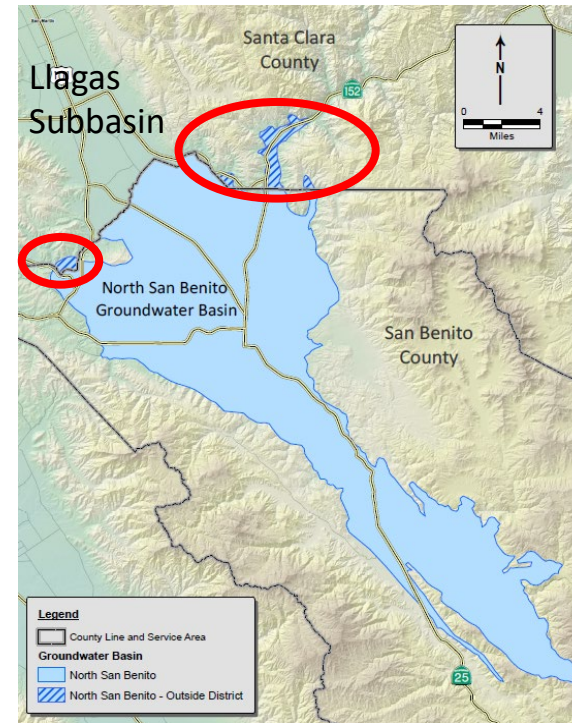
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Santa Clara and Llagas Subbasins



- Located entirely in Santa Clara County
- Cover about 400 square miles
- Valley Water is the exclusive groundwater sustainability agency (GSA)

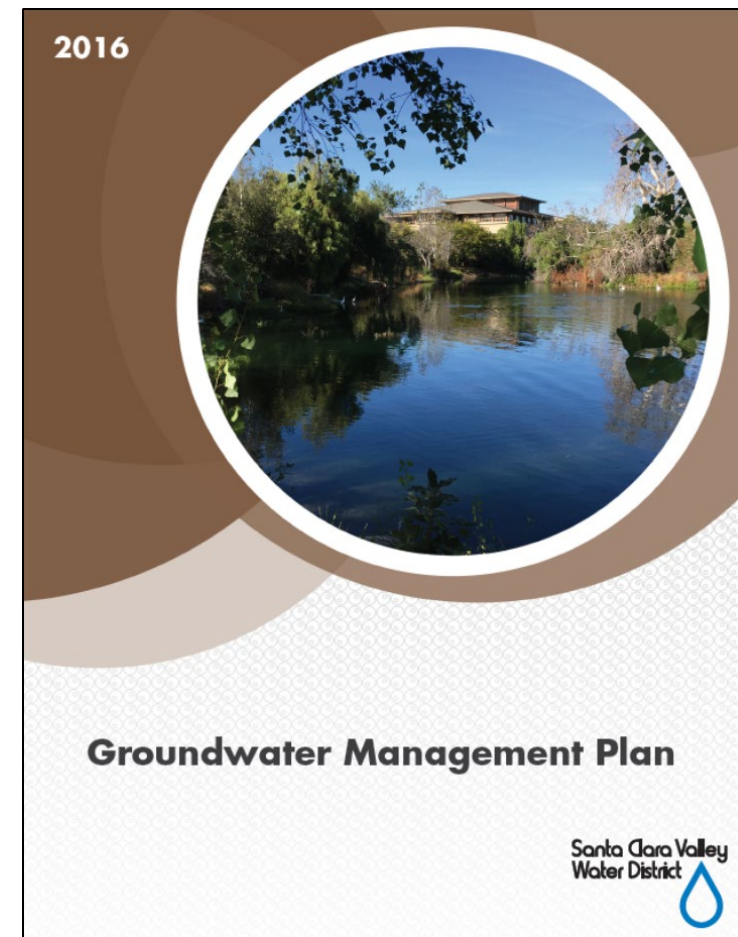
North San Benito Subbasin



- Primarily located in San Benito County
- Valley Water is the GSA for Santa Clara County portions (5.2 square miles)
- Coordination with San Benito County Water District

Santa Clara and Llagas Subbasins – SGMA History ³

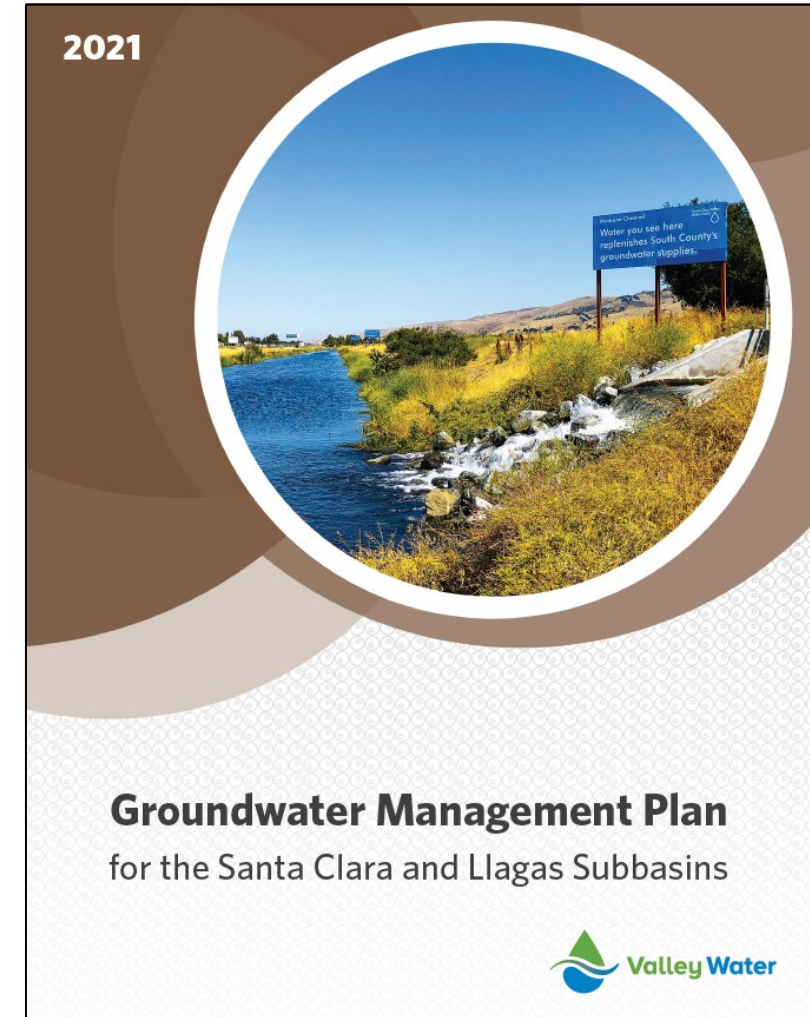
- **May 2016:** Valley Water became the Groundwater Sustainability Agency (GSA)
- **December 2016:** Submitted 2016 Groundwater Management Plan (GWMP) as Alternative to a Groundwater Sustainability Plan (Alternative)
- **July 2019:** Alternative approved by Dept. of Water Resources (DWR)
- **December 2021:** Submitted 2021 GWMP as first required periodic evaluation
- **June 2024:** Periodic evaluation approved by DWR
- **April 2017 to 2024:** Submitted annual Water Year reports



Santa Clara and Llagas Subbasins – SGMA Status

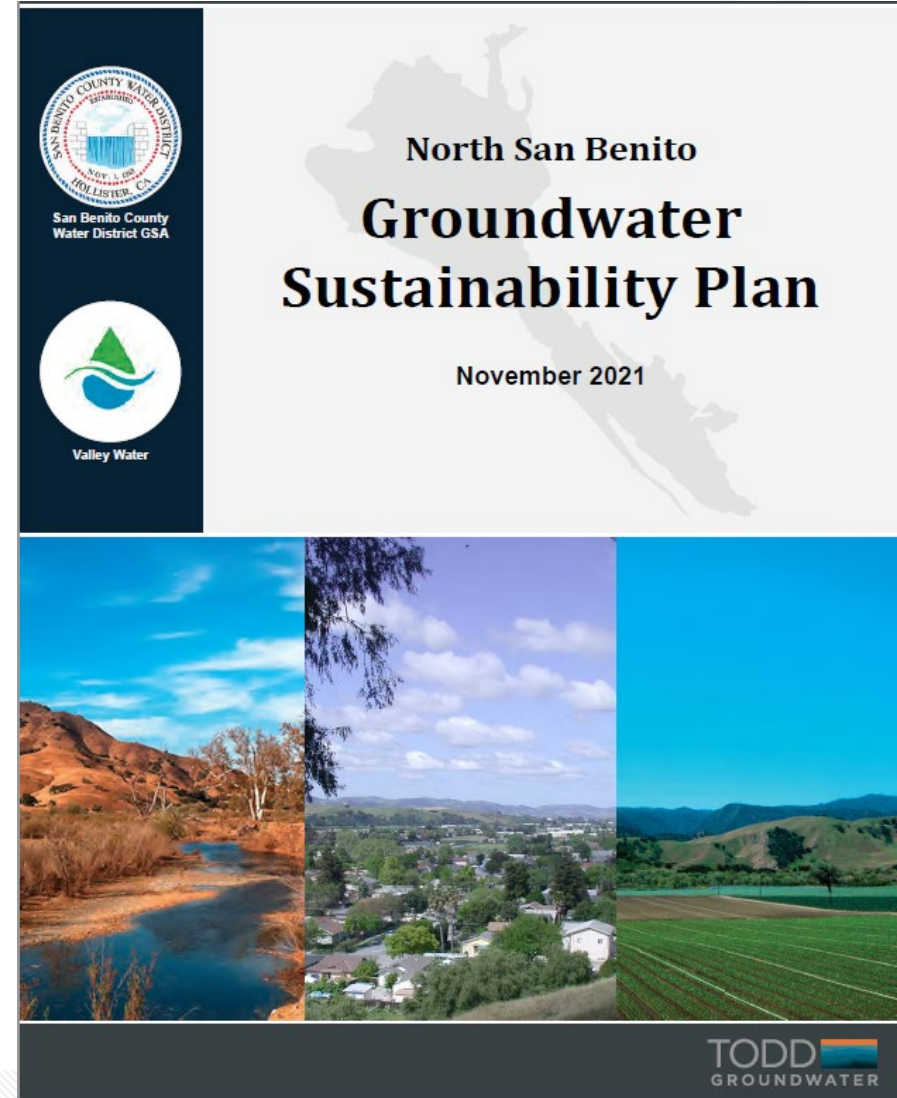
4

- Implementing 2021 GWMP recommendations
 - Improving groundwater, subsidence, and seawater intrusion monitoring and understanding
 - Improving subsidence modeling and understanding
- Evaluating DWR recommendations
 - Clarify coordination with adjacent GSAs
 - Ensure monitoring network details are consistent with DWR's Monitoring Network Module
 - Modify format of annual Water Year compliance report
- Planning for 2026 GWMP (next periodic evaluation)
 - Due December 2026



North San Benito Subbasin – SGMA Status

- San Benito County Water District lead GSP development with support from Valley Water
- GSP submitted in January 2022
- GSP approved by DWR in July 2023
- DWR recommendations to be addressed in the next GSP update (due by January 2027)



Kern County Subbasin – SGMA Status

- Semitropic Water Storage District is within the Kern County subbasin
- DWR referred the subbasin to State Water Board staff for intervention in March 2023
- State Water Board released its draft Staff Report in July 2024, recommending the designation of the basin as probationary
- State Water Board probationary hearing scheduled for February 20, 2025



Figure 3-1

Overview of the Kern County Subbasin

*Draft Staff Report
Kern County Subbasin
July 2024*

- Kern County Subbasin
- Hydrologic Regions
- Tulare Lake Hydrologic Region



Valley Water

Clean Water • Healthy Environment • Flood Protection

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Santa Clara Valley Water District

File No.: 24-0918

Agenda Date: 11/4/2024

Item No.: 4.3.

COMMITTEE AGENDA MEMORANDUM Water Supply and Demand Management Committee

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

SUBJECT:

Receive Update on the B.F. Sisk Dam Raise and Reservoir Expansion Project, including (provisional) agreement on terms of Management and Cost Share Agreement Between San Luis Delta Mendota Water Authority and U.S. Bureau of Reclamation.

RECOMMENDATION:

Receive an update on the B.F. Sisk Dam Raise and Reservoir Expansion Project, including (provisional) agreement on terms of Management and Cost Share Agreement Between San Luis Delta Mendota Water Authority and U.S. Bureau of Reclamation.

SUMMARY:

The U.S. Bureau of Reclamation (Reclamation) and the San Luis & Delta-Mendota Water Authority (SLDMWA), acting on behalf of eight members, including Valley Water, are jointly developing the B.F. Sisk Dam Raise and Reservoir Expansion Project (Project). This Project will raise the existing B.F. Sisk Dam by 10 feet and increase the storage capacity of San Luis Reservoir by 130,000 acre-feet (AF), of which 60,000 AF is currently reserved for Valley Water. This Project is separate and distinct from the B.F. Sisk Safety of Dams Modification Project, which is being undertaken by Reclamation and the Department of Water Resources (DWR) to address seismic risks of the existing dam and will not increase the storage capacity. However, in order for this expansion Project to move forward at a desirable cost and timeline, it will need to be constructed concurrently with the seismic retrofit project.

On October 1, 2024, Reclamation, SLDMWA, and Project participants (Participants) concluded negotiations on a Cost Share and Capacity Management Agreement (Management Agreement) and reached an agreement, subject to further formal review and approval by all interested parties. The Management Agreement provides specificity on key operational and cost allocation principles or criteria, allowing staff to analyze expected Project costs, benefits, and risks. Our preliminary analysis supports Valley Water's continued participation in the Project.

This memorandum contains an estimate of Project costs, a description of key terms of the

Management Agreement in advance of an anticipated board action to authorize approval of the Agreement and funding for planning and design in late 2024 or early 2025, and a summary of estimated water supply benefits.

Cost Share and Capacity Management Agreement

The Management Agreement is the primary agreement that defines how the costs and benefits of the Project will be shared. The only parties to the Management Agreement are Reclamation and the SLDMWA. However, SLDMWA negotiated this Agreement acting on behalf of its eight participating agencies, including Valley Water, and Valley Water was represented and very active in negotiations of the Management Agreement. A separate Activity Agreement between the SLDMWA and each Participant details how the costs and benefits are allocated to and among all Participants. SLDMWA's execution of the Management Agreement is contingent upon all Activity Agreement members first approving and recommending that it be brought to SLDMWA's Board for execution, and staff will bring this key decision to Valley Water's full Board shortly.

Key components of the Management Agreement are as follows:

- Reclamation will own and operate the expanded San Luis Reservoir consistent with the terms of the Management Agreement; Participants will be provided a contractual right to 70% of storage capacity in the expanded share of the reservoir while Reclamation will retain control of the remaining 30%.
 - *Staff Analysis: This is a reasonable arrangement.*
- Any type of water may potentially be stored, including Valley Water's Central Valley Project (CVP) and State Water Project (SWP) contractual supplies and supplemental water transfers.
 - *Staff Analysis: The Project can provide significant flexibility to help Valley Water manage wet year CVP and SWP supplies for storage and use during droughts.*
- Surplus CVP water will be stored in the expanded storage when available and allocated only to participants, and Valley Water will also be able to store its share of surplus SWP supplies that we rarely take advantage of now because of a lack of storage capability.
 - *Staff Analysis: If Valley Water chooses to fill and drain our share of storage each year, modeling indicates we would capture an average of 14,000 AF of surplus supplies that would not otherwise have been accessible to Valley Water.*
- During periods of severe water supply shortage, Reclamation may use, without compensation, Participants' stored CVP water supplies to satisfy the demands of senior water right holders and refugees or to protect public health and safety.
 - *Staff Analysis: Valley Water may preferentially store its SWP water supplies to significantly reduce these risks.*
- Non-CVP water and other types of water are given a much higher level of protection.

Reclamation can only use non-CVP water if Participants agree.

- *Staff Analysis: Valley Water's SWP supplies and transfer supplies would be protected when stored in the Project.*
- None of the water stored in Participants' share of storage is subject to spill, and Participants may choose to store various types of water at any time as long as storage space is available, and may withdraw its stored water at any time, with the exception of CVP supplies, which are subject to certain limitations in critically water-short periods.
 - *Staff Analysis: Valley Water carryover supplies in San Luis Reservoir are currently at risk of spill. The Project would provide secure carryover storage which would help improve Valley Water's year to year water supply reliability.*
- The agreement is between Reclamation and the SLDMWA only.
 - *Staff Analysis: SLDMWA negotiated this Management Agreement on behalf of the eight participating member agencies. A separate activity agreement between the SLDMWA and Participants will be amended to provide authorization for SLDMWA to sign the Management Agreement and to better define Participants' roles, rights, and obligations with respect to the Project.*

Project Costs

The capital cost estimate for the Project is \$942 million in 2023 dollars, not including financing costs. The estimate includes a 15 percent design contingency and 20 percent construction contingency. Total annual O&M costs are anticipated to be approximately \$3.9 million.

Cost savings are anticipated to be achieved because the Project involves the modification of an existing facility rather than construction of an entire new facility, and because it would occur concurrently with the B.F. Sisk Safety of Dam Modification Project. However, the Project would also require significant upgrades to State Route 152 to bring the road up to current safety standards, which adds significant costs. SLDMWA is pursuing alternative funding sources, but the success in securing these funds is uncertain. Assuming no additional transportation funding is secured, the costs of major project elements are shown below in Table 1:

Table 1: Sisk Dam Raise Capital Costs

Project Feature	Capital Cost (\$2023)
Dam Raise	\$439M
State Route 152 Improvement	\$432M
Design, Permitting, Project Management	\$70M
Total Capital	\$942M

If Valley Water's participation level is 60,000 AF, Valley Water would be responsible for approximately \$435 million in capital costs. At this level of participation, the Project could cause groundwater rates

in North County Zone W-2 M&I to increase by up to \$227/AF by FY 34, which would translate to an incremental \$7.81 per month to the average household.

Water Supply Reliability Improvements

The Water Supply Master Plan 2050 (WSMP) analysis has identified the Sisk Dam Raise as a potential option to diversify existing storage programs. This project would improve our ability to make use of our allocated CVP and SWP supplies and improve Valley Water's overall water supply reliability.

Staff performed an analysis to evaluate the improvement in water supply reliability both with and without the Project over the 6-year 1987-1992 drought using the WSMP's 2050 stable demand and severely impacted imported supply scenario. The analysis assumes that Valley Water is able to maintain an out of County groundwater banking program identical to our current Semitropic groundwater bank, but other than that, no other significant new water supply or storage projects are assumed. The results indicate that a significant amount of shortage could be avoided with the Sisk Dam Raise Project alone. For example, at a 60,000 AF participation level, the total shortage over that time period would be reduced by 66 percent. However, if our interest in the Semitropic Banking Program is reduced in the future, we would need to supplement with other storage opportunities, which have not yet been identified.

In addition to providing storage for existing supplies, the Project can also capture additional Delta surplus which Valley Water's existing infrastructure cannot currently capture. The amount of Delta surplus that could be captured by the Project is dependent on how the Project is operated and whether it's paired with other WSMP water supply or storage projects. Staff analysis indicates that the Sisk Dam Raise Project pairs well with many other projects being evaluated in the WSMP. For example, when paired with local purified water projects, such as the San José Purified Water Project (Phase 2), it enhances the overall water supply reliability provided by those projects. Another example is the Delta Conveyance Project, which produces water primarily in wetter years that can be captured by the Sisk Dam Raise project.

Next Steps

The immediate next step is an amendment of the current SLDMWA Activity Agreement to better define participants' rights and obligations in the Project, as provided by the Management Agreement through SLDMWA's participation, including development of financing and governance options. SLDMWA intends to bring the Management Agreement and amended Activity Agreement to its Board immediately after completion of the amended Activity Agreement for approval contingent on approval by each Participant's individual board. Reclamation is currently developing the schedule and milestones for the Project.

Staff anticipates seeking a recommendation from the Water Supply and Demand Management Committee for continued participation in the Project in late 2024 or early 2025. A Valley Water Board action to authorize execution of the Management Agreement and Activity Agreement, and an

additional funding request for planning and design costs is expected in January 2025.

This rate analysis includes adopted CIP projects including the Anderson Dam Seismic Retrofit, Pacheco Reservoir Expansion, and San José Purified Water Project (SJPWP) Phase 1 Demonstration Facility, and placeholders for upcoming WSMP projects, including the Delta Conveyance Project at 3.23% participation, Los Vaqueros Reservoir Expansion, and the SJPWP Phase 2 Full-Scale Facility, and assumes SWP tax continues to pay for SWP costs.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

The B.F. Sisk Dam and Reservoir Expansion Project addresses water supply equity by ensuring a cost-effective, high-quality supply is available for all of Santa Clara County, including disadvantaged communities.

ATTACHMENTS:

Attachment 1: PowerPoint

UNCLASSIFIED MANAGER:

Vincent Gin, 408-630-2633



B.F. Sisk Dam Raise and Reservoir Expansion Project

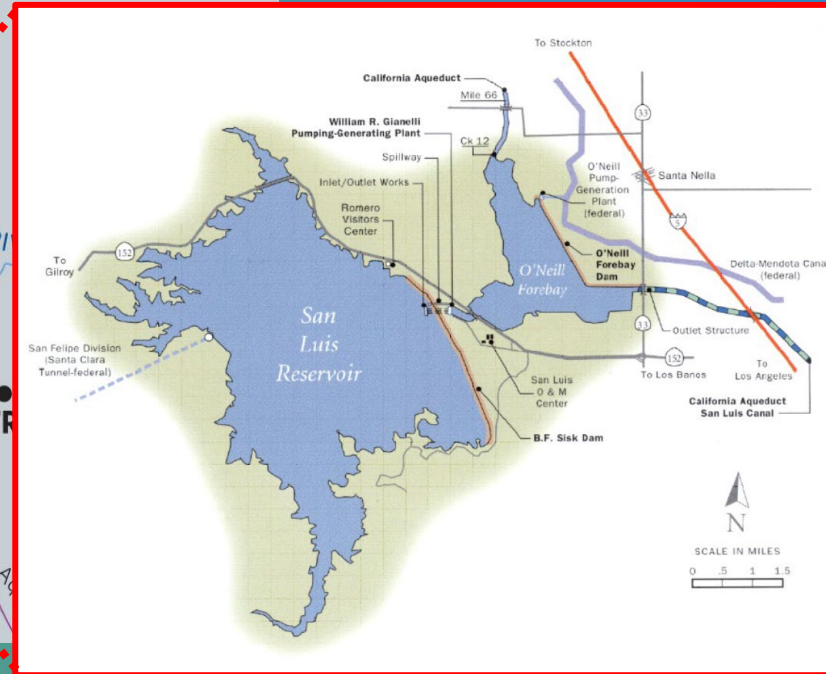
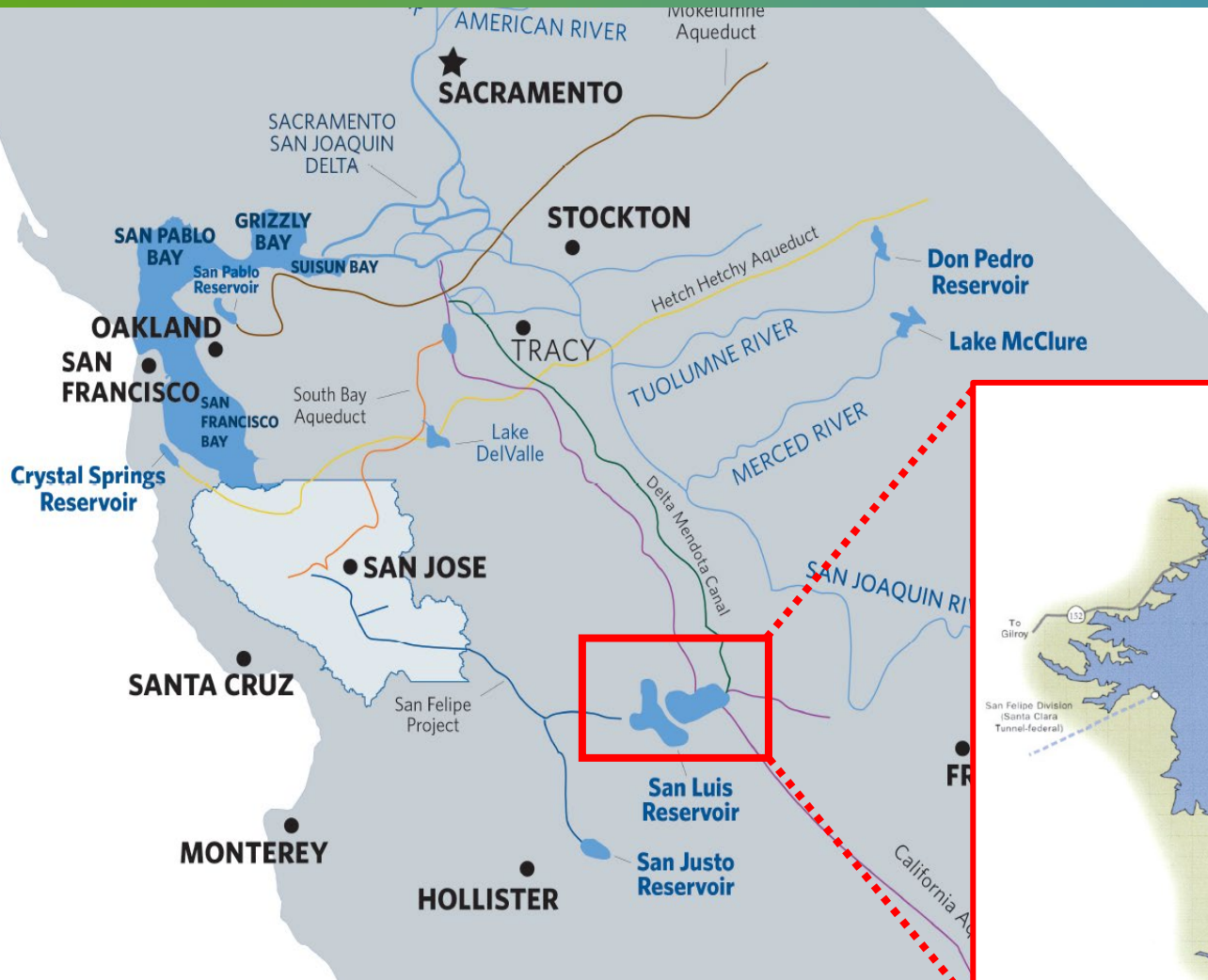
Water Supply and Demand Management Committee, November 4, 2024

Project Location

Location:

San Luis Reservoir
Merced County

Existing Facility: Integrated Operations
Direct Access



Concurrent Projects

Safety of Dams Project:

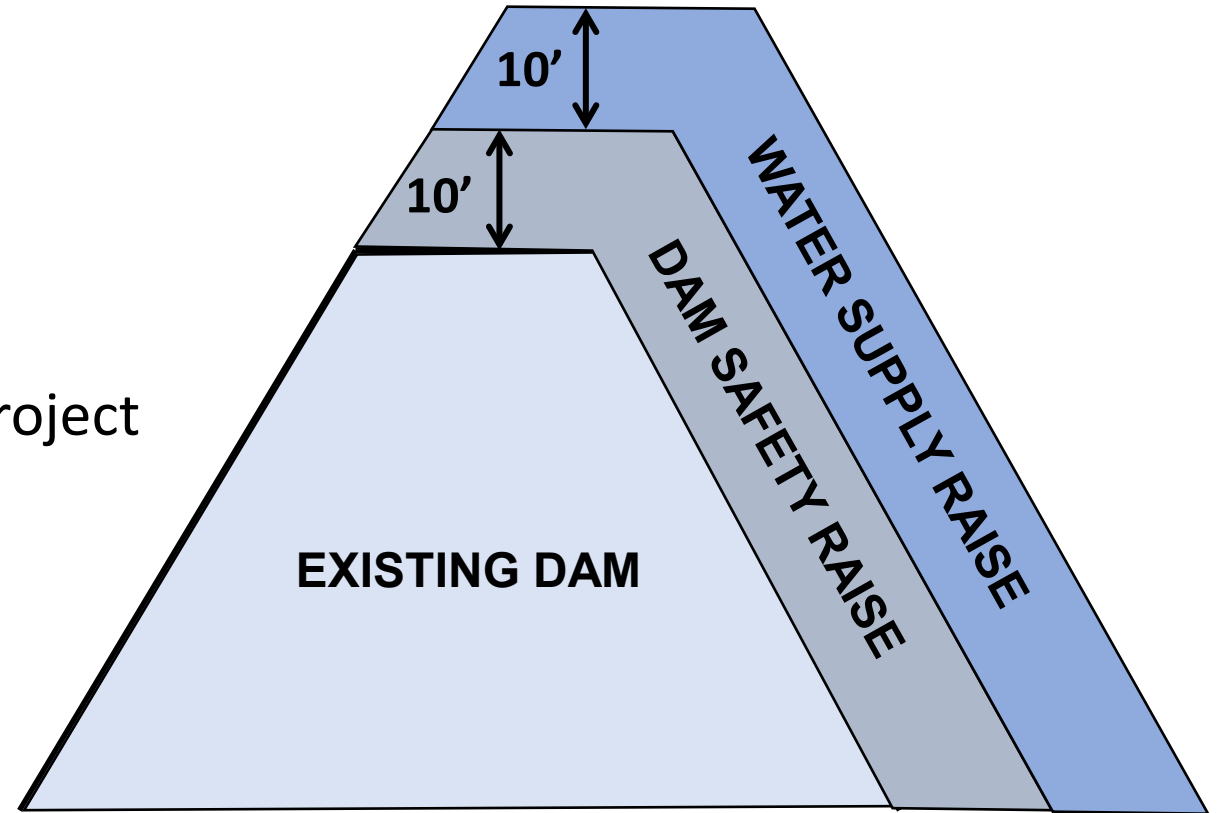
- Seismic repairs
- No additional storage
- Already underway

B.F. Sisk Dam Raise Project:

- 130,000 acre-feet (AF) new storage
- Schedule driven by Safety of Dams project

Combined Projects:

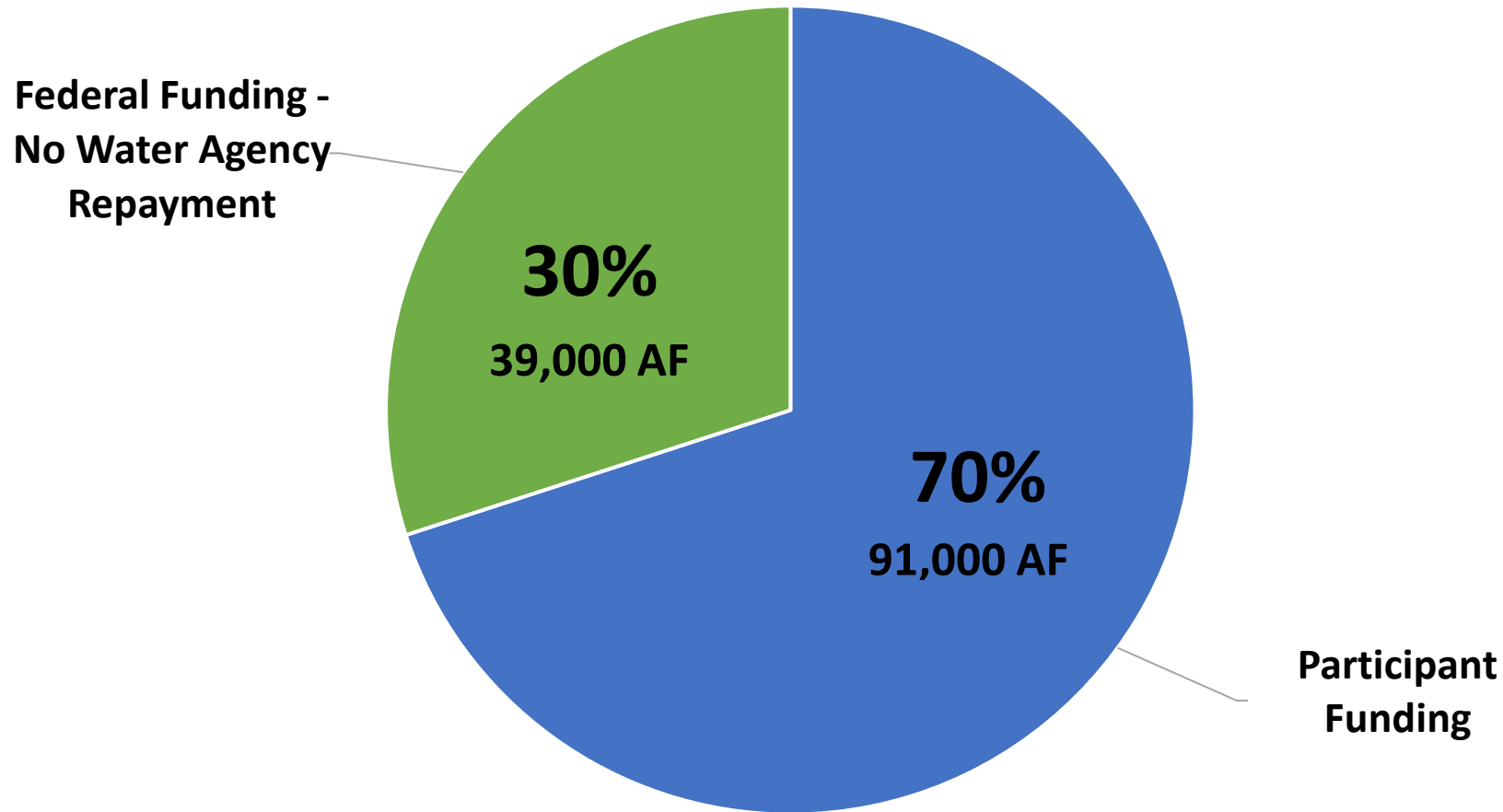
- Cost and schedule savings
- Reduced environmental impact



Proposed Funding and Storage Split

➤ **WIIN Act: 30 percent**

➤ **Project Partners: 70 percent**



Current Storage Requests

Participating Agency	Requested Storage Capacity (AF)	Participation Level*
Santa Clara Valley Water District	60,000	65.9%
Westlands Water District	11,253	12.4%
City of Tracy	5,000	5.5%
San Benito County Water District	5,000	5.5%
San Luis Water District	4,497	4.9%
Del Puerto Water District	3,650	4.0%
Byron Bethany Irrigation District	1,000	1.1%
Pacheco Water District	600	0.7%
Total	91,000	100.0%

*Reflects each Investor's share of the 70% non-federal portion of the Project, while the federal share constitutes the remaining 30%.

Cost Share and Management Agreement

- **Construction responsibilities**
 - Dam Raise: U.S. Bureau of Reclamation
 - State Route 152: SLDMWA or CalTrans
- **Operations framework**
 - Reclamation retains ownership of San Luis Reservoir
 - Participants provided contractual storage rights

Cost Share and Management Agreement

Participant Benefits

- Flexible and reliable south of the Delta storage
- Ability to capture surplus water already available through existing contracts/water rights which we can't currently capture
- Non-Central Valley Project water and other water types have a high level of protection
- Option to lease or market capacity to offset costs

Cost Share and Management Agreement

Participant Risks

- Reclamation may access stored CVP water during droughts
 - *Staff analysis shows this risk can be mitigated through careful operation and prioritizing storage of SWP supplies and other non-CVP supplies.*
- Shared project subject to group governance with other Project participants
 - *Discussions on governance structure are still underway. Staff are working to ensure Valley Water has sufficient input into decisions affecting our investment.*
- Offramps provided until bid solicitation for construction contract and securing financing

Incremental Water Supply Yield

B.F. Sisk Dam Raise improves drought reliability

- At 60 TAF storage, Project reduces shortage by 66% over 6-year drought
- Project can store existing wet year supplies
- Project can capture additional delta surplus that can't be captured now
- Project enhances benefits of other potential investments
 - purified water projects
 - Delta Conveyance Project
 - groundwater banking

Project Costs

- **Total annual O&M cost estimate: \$3.9 million**

Project Feature	Capital Cost (\$2023)
Dam Raise	\$439M
State Route 152 Improvement	\$432M
Design, Permitting, Project Management	\$70M
Total Capital Cost	\$942M

- **Contingencies: 15% design, 20% construction**

Project Costs

Valley Water Share of Costs at 60 TAF Storage

- Valley Water Capital Cost Estimate: **\$435 million**
- Estimated Rate Impacts in North County Zone W-2 M&I:
 - Ramps up to additional \$227/AF or \$7.81/month per household by FY 34

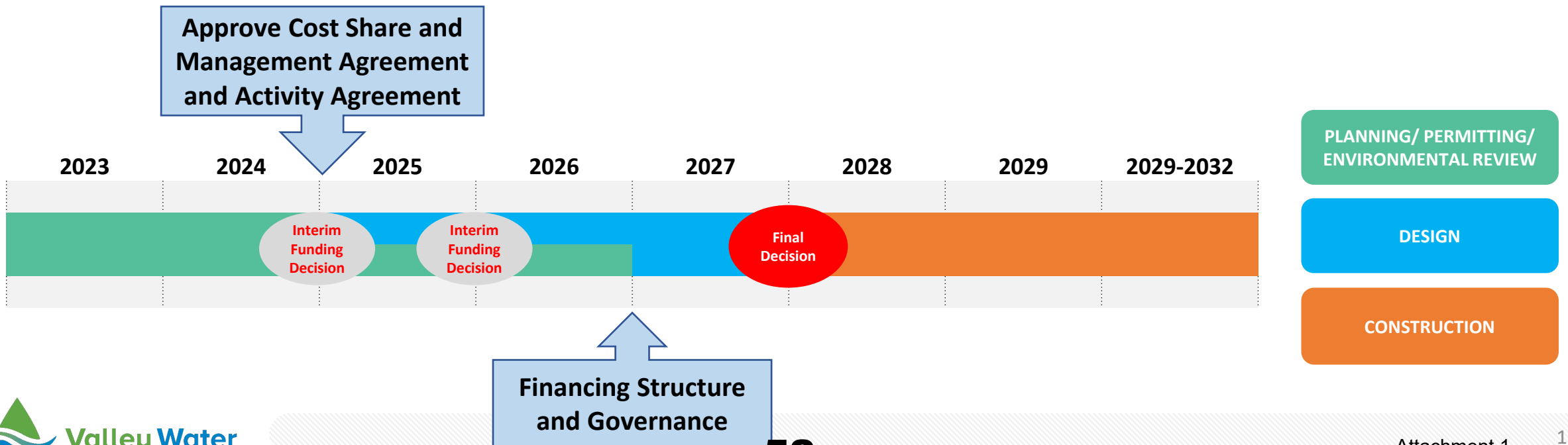
Board Decision Schedule

Planning cost requests:
(Valley Water share \$15.5 million)

\$3.5 Million - Late 2024
\$20 Million - Early 2026

Construction funding :
(Valley Water share \$435 million)

\$659 Million - Early 2028
(2023 dollars - without financing)



Next Steps

- **Board approval of Management Agreement, Activity Agreement, and additional funding – January 2025**
- **Begin negotiations for subsequent agreements**
- **Evaluate financing and governance options**



Valley Water

Clean Water • Healthy Environment • Flood Protection



Santa Clara Valley Water District

File No.: 24-0926

Agenda Date: 11/4/2024

Item No.: 4.4.

COMMITTEE AGENDA MEMORANDUM **Water Supply and Demand Management Committee**

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

SUBJECT:

Receive an Update on Los Vaqueros Reservoir Expansion Project.

RECOMMENDATION:

Receive an update and discuss the Los Vaqueros Reservoir Expansion Project.

SUMMARY:

During Contra Costa Water District's (CCWD) September 18, 2024 Board meeting, the CCWD Board concluded that the Los Vaqueros Reservoir Expansion Project (Project) is no longer viable and directed the General Manager to develop an approach to end CCWD's participation in the Project. They cited several factors in this decision, including the risk to CCWD's water supply and water quality during construction on the dam, the reduction in the project benefits due to tightening regulatory and permitting restrictions, and significant cost increases. On September 23, 2024, the CCWD Board President released a statement acknowledging the work that CCWD and partner agencies have done to try to resolve issues, but stating that changed conditions have impacted the feasibility of the project and led CCWD's Board to the difficult decision to consider ending CCWD's participation in the Project.

CCWD staff have indicated that they plan to bring their plan for ending CCWD's participation in the Project back to their Board for a decision in November 2024. Santa Clara Valley Water District staff will continue to coordinate with the Los Vaqueros Expansion Joint Powers Authority, CCWD and Project partners and provide updates.

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

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

ATTACHMENTS:

There are no attachments for this item.

UNCLASSIFIED MANAGER:

Vincent Gin, 408-630-2633



Santa Clara Valley Water District

File No.: 24-0947

Agenda Date: 11/4/2024

Item No.: 4.5.

COMMITTEE AGENDA MEMORANDUM **Water Supply and Demand Management Committee**

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

SUBJECT:

Review and Discuss the Water Supply and Demand Management Committee (WSDMC) Work Plan.

RECOMMENDATION:

Review and discuss the WSDMC Work Plan.

SUMMARY:

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

ENVIRONMENTAL JUSTICE AND EQUITY IMPACT:

The Committee's Work Plan is not subject to environmental justice analysis.

ATTACHMENTS:

Attachment 1: 2024 WSDMC Work Plan

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193.

2024 Water Supply and Demand Management Committee (WSDMC) Work Plan

Task	Agenda Item	January	February	March	April	May	June	July	August	September	October	November	December
FY 24	Drought Preparation												
1.1	Drought Response Plan						X						
FY 23	WSMP Strategy 1: Secure Existing Supplies - 99,000 AF Conservation by 2030												
2.1	Water Conservation Savings Model/Annual Water Conservation Savings					X							
2.2	Water Conservation as a Way of Life recommendations (including water waste restrictions)								X				
2.3	New Programs (Lawn Busters, Pilot programs, landscape design assistance, demonstration garden, + affordability discussion/supporting underserved communities)					X			X				
2.5	Safe and Clean Water (SCW) Funding (Landscape Rebate Prog. (LRP) & Demo Garden)							X					
2.6	Collaboration with Retailers+outreach, including Renters/Landlords										X		
FY 24	WSMP Strategy 2: Increase Water Conservation (109,000 AF) and Stormwater Capture (1,000 AF) by 2040												
3.1	Investments in no-regrets package, including stormwater resource plan						X						
3.2	Stormwater Capture/ FloodMAR						X						
3.3	Find opportunities to ensure new development has improved water wise features (MWENDO, land use coordination)								X				
3.4	Resource Needs												
3.5	Review long-term goals as part of WSMP update	X				X							
FY 24	WSMP Strategy 3 Optimize the Use of Existing Supplies and Infrastructure (SGMA/groundwater management and storage projects)												
4.1	South County Managed Aquifer Recharge Activities										X		
4.2	Sustainable Groundwater Management Act (SGMA)										X		
4.3	Semitropic Groundwater Bank (existing opport.)												
4.4	Los Vaqueros Reservoir Expansion Project						X				X		
4.5	Sites Reservoir Expansion						X						
4.6	BF Sisk Dam Raise						X		X	X	X	X	
4.7	Pacheco Reservoir Expansion Project					X			X			X	

*Red item added.

October 2024