

October 25, 2021

## **MEETING NOTICE**

### **WATER STORAGE EXPLORATORY COMMITTEE**

#### Board Members of the Water Storage Exploratory Committee

Director Gary Kremen, Committee Chair  
Director Richard P. Santos  
Director John L. Varela

#### Staff Support of the Water Storage Exploratory Committee

Rick Callender, Esq., Chief Executive Officer  
Melanie Richardson, Assistant Chief Executive Officer  
Aaron Baker, Chief Operating Officer, Water Utility  
Rachael Gibson, Chief of External Affairs  
Sue Tippets, Interim Chief Operating Officer, Watersheds  
J. Carlos Orellana, District Counsel  
Brian Hopper, Senior Assistant District Counsel  
Vincent Gin, Deputy Operating Officer, Water Supply Division  
Christopher Hakes, Deputy Operating Officer, Dam Safety & Capital Delivery Division  
Heath McMahon, Deputy Operating Officer, Water Utility Capital Division  
Don Rocha, Deputy Administrative Officer, Office of Government Relations  
Gregory Williams, Interim Deputy Operating Officer, Raw Water Division  
Emmanuel Aryee, Assistant Officer, Dam Safety & Capital Delivery Division  
Kirsten Struve, Assistant Officer, Water Supply Division  
Erin Baker, Asset Management Manager  
Cindy Kao, Imported Water Manager, Imported Water Unit  
Ryan McCarter, Pacheco Project Manager, Pacheco Project Delivery Unit  
Metra Richert, Unit Manager, Water Supply Planning & Conservation Unit  
Charlene Sun, Treasury and Debt Manager  
Andrew Garcia, Senior Water Resources Specialist, Imported Water Unit  
Samantha Greene, Senior Water Resources Specialist, Water Supply Planning & Conservation Unit

A regular meeting of the Santa Clara Valley Water District (SCVWD) Water Storage Exploratory Committee is to be held on **Friday October 29, 2021, at 12:00 p.m.** [Join Zoom Meeting https://valleywater.zoom.us/j/98246045660](https://valleywater.zoom.us/j/98246045660).

Enclosed are the meeting agenda and corresponding materials for your convenience.

Enclosures



# **WATER STORAGE EXPLORATORY COMMITTEE MEETING**

Join Zoom Meeting

<https://valleywater.zoom.us/j/98246045660>

Meeting ID: 982 4604 5660

One tap mobile

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Dial by your location

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Meeting ID: 982 4604 5660



# Santa Clara Valley Water District Water Storage Exploratory Committee Meeting

**Teleconference  
Join Zoom Meeting**

**<https://valleywater.zoom.us/j/98246045660>**

## REGULAR MEETING AGENDA

**Friday, October 29, 2021  
12:00 PM**

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

**WATER STORAGE EXPLORATORY  
COMMITTEE**

Gary Kremen, Committee Chair,  
District 7  
Richard P. Santos, District 3  
John L. Varela, District 1

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.

Mr. Vincent Gin  
Mr. Christopher Hakes  
(Staff Liaisons)

Glenna Brambill (Committee  
Liaison)  
Management Analyst II  
(408) 630-2408,  
gbrambill@valleywater.org

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

**Santa Clara Valley Water District**  
**Water Storage Exploratory Committee**  
**REGULAR MEETING**  
**AGENDA**

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Friday, October 29, 2021

12:00 PM

Teleconference

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IMPORTANT NOTICES

This meeting is being held in accordance with the Brown Act as currently in effect and Santa Clara Valley Water District Resolution 21-85, adopted on September 28, 2021, in compliance with the provisions of AB361 (Rivas), that allows attendance by members of the Board of Directors, Board Committees, District staff, and the public to conduct and participate in meetings of the legislative bodies by teleconference, videoconference, or both.

In accordance with the requirements of Gov. Code Section 54954.3(a), members of the public wishing to address the Board/Committee at a video conferenced meeting, during public comment or on any item listed on the agenda, should use the "Raise Hand" tool located in the Zoom meeting link listed on the agenda, at the time the item is called. Speakers will be acknowledged by the Board Chair in the order requests are received and granted speaking access to address the Board.

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

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/98246045660>**

**Dial by your location**  
**+1 669 900 9128 US (San Jose)**  
**Meeting ID: 982 4604 5660**

**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 two 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. APPROVAL OF MINUTES:**

3.1. Approval of Minutes.

[21-1095](#)

Recommendation: Approve the July 19, 2021, Meeting Minutes.

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

Attachments: [Attachment 1: 07192021 WSEC Draft Mins](#)

Est. Staff Time: 5 Minutes

**4. ACTION ITEMS:**

- 4.1. Groundwater Bank Update [21-1096](#)
- Recommendation: Receive and discuss information regarding potential groundwater storage projects.
- Manager: Vincent Gin, 408-630-2633
- Attachments: [Attachment 1: Matrix Comparison of Storage Projects](#)  
[Attachment 2: Maps](#)
- Est. Staff Time: 10 Minutes
- 4.2. Los Vaqueros Reservoir Expansion Project Update. [21-1097](#)
- Recommendation: A. Receive and Discuss Timelines for the Los Vaqueros Reservoir Expansion Project; and  
B. Receive and Discuss Update on Joint Powers Authority.
- Manager: Vincent Gin, 408-630-2633
- Attachments: [Attachment 1: JPA-Overview October-2021](#)
- Est. Staff Time: 15 Minutes
- 4.3. Pacheco Reservoir Expansion Project Staff Recommended Alternative and Project Update [21-1098](#)
- Recommendation: A. Receive information on the Draft Staff Recommended Alternative for the Pacheco Reservoir Expansion Project (PREP) prior to presentation to the Board of Directors.
- B. Receive information on the PREP status.
- Manager: Christopher Hakes, 408-630-3796
- Attachments: [Attachment 1: 2021 October WSEC](#)
- Est. Staff Time: 15 Minutes

4.4. Standing Items Information.

[21-1099](#)

- Recommendation:
- A. This agenda item allows the Committee to receive verbal or written updates and discuss the following subjects. These items are generally informational; however, the Committee may request additional information from staff:
  - B. This is informational only and no action is required.  
*Staff may provide a verbal update at the 10-29-2021 meeting if there is reportable/updated information.*
    - 1. Update on Los Vaqueros Reservoir Expansion Project (LVE) Transfer Bethany Pipeline (TBP) and Update on Management of South Bay Aqueduct (SBA) Facilities (*separate agenda item*)
    - 2. Del Puerto (*No Update*)
    - 3. Water Banking Opportunities including but not limited to Pleasant Valley Water District (*separate agenda item*)
    - 4. Pacheco/San Luis Reservoir Low Point (*separate agenda item*)
    - 5. Semitropic (*Verbal Update*)
    - 6. Sites (*Verbal Update*)
    - 7. B.F. Sisk Dam Raise Project (*Verbal Update*)
    - 8. Shasta (*No Update*)

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

Est. Staff Time: 15 Minutes

4.5. Review Water Storage Exploratory Committee Work Plan and the Committee's Next Meeting Agenda.

[21-1100](#)

Recommendation: Review the Committee's Work Plan to guide the Committee's discussions regarding policy alternatives and implications for Board deliberation.

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

Attachments: [Attachment 1: WSEC Work Plan](#)

Est. Staff Time: 5 Minutes

**5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.**

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

**6. ADJOURN:**

- 6.1. Adjourn to Regular Meeting, to be called to order in compliance with the Brown Act as currently in effect and Santa Clara Valley Water District Resolution 21-85, adopted on September 28, 2021, in compliance with the provisions of AB361 (Rivas).





# Santa Clara Valley Water District

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**File No.:** 21-1095

**Agenda Date:** 10/29/2021  
**Item No.:** 3.1.

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## COMMITTEE AGENDA MEMORANDUM

### Water Storage Exploratory Committee

**SUBJECT:**

Approval of Minutes.

**RECOMMENDATION:**

Approve the July 19, 2021, Meeting 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: 07192021 WSEC Draft Mins

**UNCLASSIFIED MANAGER:**

Candice Kwok-Smith, 408-630-3193





SANTA CLARA VALLEY WATER DISTRICT (VALLEY WATER)  
WATER STORAGE EXPLORATORY COMMITTEE

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# DRAFT MINUTES

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**MONDAY, JULY 19, 2021  
1:00 PM**

(Paragraph numbers coincide with agenda item numbers)

A special meeting of the Water Storage Exploratory Committee (Committee) was held on July 19, 2021, via Zoom.

**1. CALL TO ORDER**

The Water Storage Exploratory Committee was called to order by Committee Member Director John L. Varela, as acting Chair at 1:01 p.m.

**1.1 ROLL CALL**

Valley Water Board Members in attendance were: Director Richard P. Santos-District 3, and Director John L. Varela-District 1.

Valley Water Staff in attendance were: Emmanuel Aryee, Aaron Baker, Lisa Bankosh, John Bourgeois, Glenna Brambill, Rick Callender Andrew Garcia, Vincent Gin, Alexander Gordon, Samantha Greene, Andy Gschwind, Michael Hagerty, Christopher Hakes, Brian Hopper, Cindy Kao, Claire Kennedy, Candice Kwok-Smith, Michael Martin, Heath McMahon, Carmen Narayanan, Carlos Orellana, Steven Peters, Metra Richert, Don Rocha, Jamie Silva, Ranithri Slayton, Kirsten Struve, Charlene Sun, Darin Taylor, and Gregory Williams.

Guests in attendance were: Dwight Good (Cal Fire), Hon. Brad Gleason (Pleasant Valley Water District {PVWWD}), Thomas Francis (BAWSCA), Hon. Steve Jordan (BAWSCA and Purissima Hills Water District), Maureen Martin, Ph.D. (Contra Costa Water District {CCWD}), Hon. Brian Schmidt (Green Foothills), Bill Tuttle (San Jose Water Company), Peter Van Dyke (Loma Prieta Resource Conversation District), Thomas Niesar and Hon. John Weed (Alameda County Water District {ACWD}).

Public in attendance were: Jim Bowley, John Chesterton, Tim Chiala, David Cramer, Director Barbara Keegan (Valley Water District 2), Arthur M. Keller, Ph.D., Doug Muirhead, and Paul Rogers.

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

There was no one present who wished to speak.

**3. APPROVAL OF MINUTES**

**3.1 APPROVAL OF MINUTES**

It was moved by Director Richard P. Santos, second by Director John L. Varela, and by roll call and unanimous vote carried to approve the minutes of the June 30, 2021, meeting of the Water Storage Exploratory Committee as presented.

**4. ACTION ITEMS**

**4.1 LOS VAQUEROS RESERVOIR EXPANSION PROJECT UPDATE**

Mr. Brian Hopper, Ms. Charlene Sun and Dr. Maureen Martin reviewed the materials as outlined in the agenda item

The Water Storage Exploratory Committee discussed the following: JPA, feasibility hearing, October 2021 deadline, project costs, risks, and several 'off ramps' (opting out) for participating agencies.

The Water Storage Exploratory Committee took no action, however, reminder of the June 30, 2021, meeting recommendation to request that the Board initiate discussions to form a User Group Ad Hoc (non-Brown Act) Committee having at least 1 WSEC Director, appropriate staff representation, and potentially having 1 or 2 elected officials from each user agency to discuss the Los Vaqueros Reservoir Expansion Project JPA Agreement, usage, and other pertinent business and policy terms.

Public Comment received:

Hon. Steve Jordan (BAWSCA and Purissima Hills Water District) inquired about Transfer Bethany.

Mr. Aaron Baker was available to answer questions.

**4.2 PACHECO RESERVOIR EXPANSION PROJECT - FIRE SUPPRESSION AND PREVENTION**

Mr. Chris Hakes reviewed the materials as outlined in the agenda item.

The Water Storage Exploratory Committee discussed the following: vital water sources, Cal Fire needs and once determined suggested writing joint letter for needed funding (work with elected officials – such as; Assemblymember Rivas),

The Water Storage Exploratory Committee took no action.

**4.3 CAL FIRE PRESENTATION**

Assistant Chief Dwight Good of CAL FIRE gave a verbal presentation.

The Water Storage Exploratory Committee discussed the following: water availability/challenges, helicopter/pumping, accessible fire hydrants (having them

maintained, uniformity, output consistency, possibly having them gps'd, and being able to access contacts to owners would benefit Cal Fire), could Valley Water collaborate with the Fire Department-fire suppression, concerns with the turnouts/reliable sources (phasing out/sunsetting), looking to the Legislators for policy and funding assistance. farming, fire service and Valley Water working in partnership with the Santa Clara County Farm Bureau.

Mr. Aaron Baker was available to answer questions.

Public Comments received:

Hon. Steve Jordan (BAWSCA and Purissima Hills Water District) noted fire suppression is a massive problem in his area Purissima Hills Water District spent millions to upgrade from 1,000 gpm to 1,250 gpm and putting in larger piping for Mutuals (not easy from a cost perspective) and suggested a GIS database for the hydrants is a start.

Mr. Peter Van Dyke (Loma Prieta Resource Conversation District) had specific questions on the Crews Road fire and Assistant Dwight Good would answer off-line.

The Water Storage Exploratory Committee took no action; however, the Committee would like to be kept apprised on this issue.

Thanks to Mr. Gregory Williams for assistance with this agenda item.

#### **4.4 REVIEW WATER STORAGE EXPLORATORY COMMITTEE WORK PLAN AND THE COMMITTEE'S NEXT MEETING AGENDA**

Ms. Glenna Brambill reviewed the agenda materials as outlined in the agenda item.

The Water Storage Exploratory Committee took no action.

#### **5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE ACTIONS**

Ms. Glenna Brambill noted two items for Board consideration:

1. action taken at the June 30, 2021, meeting, the Committee recommended requesting that the Board initiate discussions to form a User Group Ad Hoc (non-Brown Act) Committee having at least 1 WSEC Director, appropriate staff representation, and potentially having 1 or 2 elected officials from each user agency to discuss the Los Vaqueros Reservoir Expansion Project JPA Agreement, usage, and other pertinent business and policy terms.
2. writing a collaborative letter, once Cal Fire needs are determined and suggested the letter contain needed funding (work with elected officials, such as Assemblymember Rivas) and the fire hydrants issue.

**6. ADJOURNMENT**

Acting Committee Chair Director John L. Varela adjourned the meeting at 1:56 p.m., 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.

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

Approved:



# Santa Clara Valley Water District

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**File No.:** 21-1096

**Agenda Date:** 10/29/2021

**Item No.:** 4.1.

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## COMMITTEE AGENDA MEMORANDUM

### Water Storage Exploratory Committee

**SUBJECT:**

Groundwater Bank Update

**RECOMMENDATION:**

Receive and discuss information regarding potential groundwater storage projects.

**SUMMARY:**

On June 29, 2021, a draft "Comparison Matrix" was presented to the Water Storage Exploratory Committee (Committee) to help guide discussions of groundwater banking projects by presenting the key risks and qualitative benefits of each project in a consistent format. Since then, staff has continued to coordinate with the agencies responsible for these projects, compiled new project information, outlined near-term procedures regarding each project's development, and begun early conversations with both the Department of Water Resources and the Bureau of Reclamation to understand review and approval processes for groundwater banking project implementation.

The Comparison Matrix (Attachment 1) has been revised to provide an update to the Committee on the groundwater banking projects under staff consideration, with maps available for reference (Attachment 2):

- McMullin 'Aquaterra' Groundwater Bank
- AVEK 'High Desert' Groundwater Bank
- Pleasant Valley Water District Groundwater Bank
- Buena Vista Long-Term Exchange Concept / Water Bank

**Aquaterra- Recent Progress**

The McMullin Area Groundwater Sustainability Agency (McMullin) has completed a draft water banking feasibility report, conducted a water quality analysis to confirm the viability of the project, and begun the environmental review process. Staff has received this report and data and is currently evaluating this information with the intent to present the results at a future Committee meeting. In the meantime, staff will work with McMullin to develop a preliminary partnership agreement with terms to be considered by the Committee soon.

The Department of Water Resources (DWR) is currently reviewing Groundwater Sustainability Plans

(GSPs), including the one submitted by McMullin on January 28, 2020. While DWR completed its initial review of four other GSPs earlier this month, DWR is not expected to complete its review of the McMullin GSP until January 2022. Staff will continue to monitor the status of the McMullin GSP and will consider any findings by DWR in its evaluation of Aquaterra.

**AVEK 'High Desert'- Recent Progress**

Staff are working with Antelope Valley-East Kern Water Agency (AVEK) to develop an agreement for a pilot banking program to test AVEK's ability to return banked supplies to Valley Water by exchange, like Semitropic water bank, and by delivery of stored water in San Luis Reservoir. A final agreement is expected by the end of the year.

AVEK and IWU staff anticipate subsequent discussion on terms related to a long-term banking program, as part of the High Desert Water Bank - Phase 2. The Water Storage Exploratory Committee will be updated with banking program terms and details as those discussions progress this Fall.

**Pleasant Valley Water District - Recent Progress**

Following the June 29<sup>th</sup> Committee meeting, Imported Water Unit staff and Pleasant Valley Water District General Manager Brad Gleason have been in regular communication regarding the proposed water banking project. The Pleasant Valley team is refining the project description per comments from Valley Water so staff can effectively evaluate the project as it continues to be updated from previous efforts in 2019. The Comparison Matrix will be updated with relevant information for consideration when an updated project description is provided. Pleasant Valley Water District is currently prioritizing work to finalize its Groundwater Sustainability Plan for submittal to DWR in January of 2022, with water banking project development conversations occurring when possible until that time.

**Buena Vista Long-Term Exchange Concept - Recent Progress**

During initial discussions with Buena Vista staff, it became clear that a long-term water exchange partnership between the Buena Vista Water Storage District (Buena Vista) and Valley Water would be more beneficial to both parties than development of a water banking partnership. The details of this long-term exchange have been added to the Comparison Matrix for reference; however, development of the proposed exchange and future partnership between Buena Vista and Valley Water is currently on hold until further notice.

Staff will continue to evaluate each of the projects as more information becomes available and will continue regular coordination with the various agencies as the projects are further developed.

**ATTACHMENTS:**

Attachment 1: Matrix Comparison of Storage Projects

Attachment 2: Project Maps

**UNCLASSIFIED MANAGER:**



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**File No.:** 21-1096

**Agenda Date:** 10/29/2021  
**Item No.:** 4.1.

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Vincent Gin, 408-630-2633



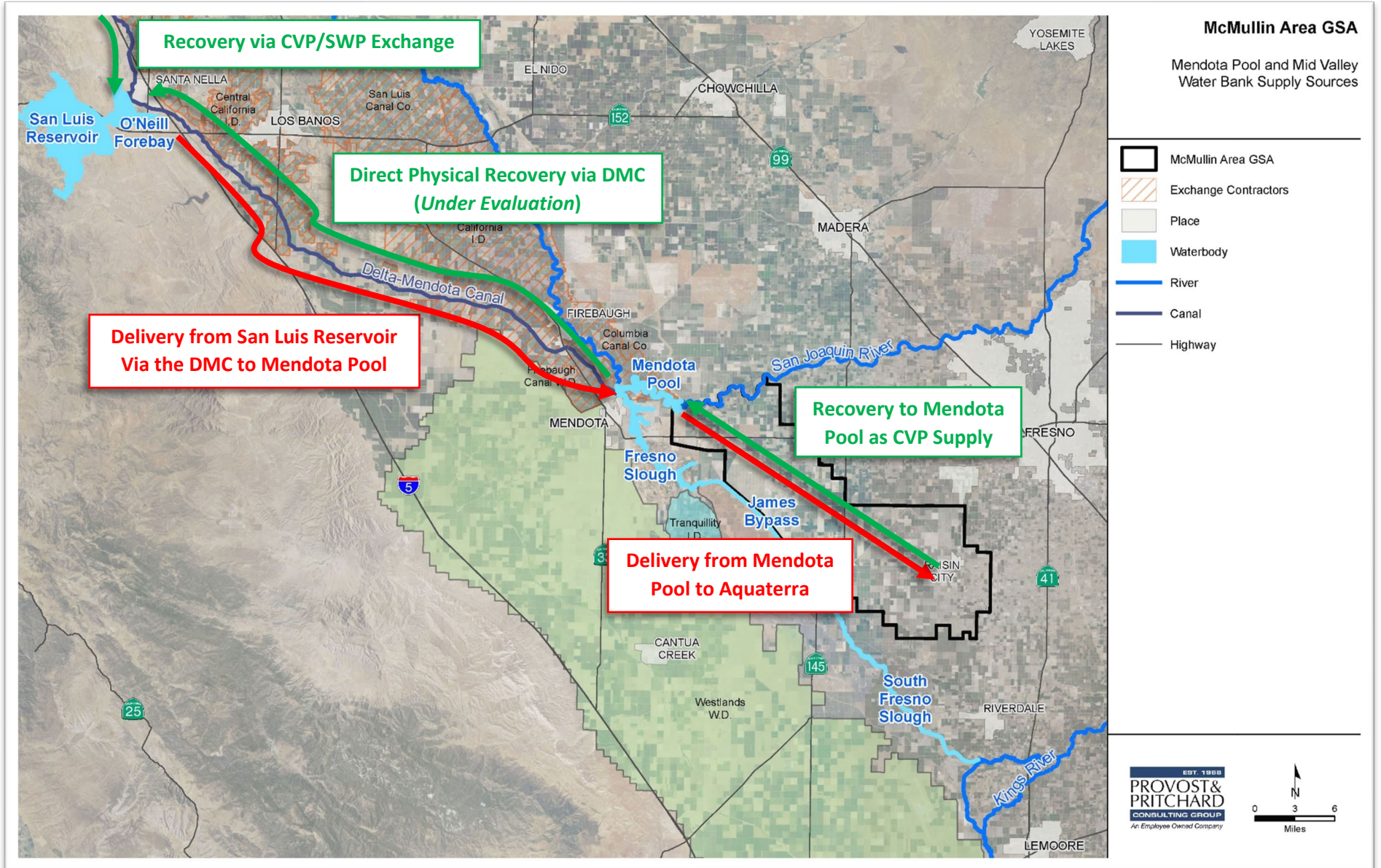
## Evaluation of Groundwater Banking Projects – October 2021

	Semitropic Groundwater Bank	McMullin 'Aquaterra' Groundwater Bank	AVEK 'High Desert' Groundwater Bank	Pleasant Valley WD Groundwater Bank	Buena Vista WSD Long-Term Exchange (On-Hold)*
<i>Managing Agencies</i>	Semitropic Water Storage District	McMullin Area Groundwater Sustainability Agency	Antelope Valley East Kern Water Agency	Pleasant Valley Water District	BVWSD & Kern County Water Agency
<i>Location</i>	Northern Kern County	Fresno County near Kerman	Antelope Valley/Mojave	Fresno County near Coalinga	Northern Kern County
<i>Status</i>	Established/Functional	Proposed by McMullin/ <i>Under development and review</i>	Proposed by AVEK/ Under development & review	Proposed by PVWD/Under review	Proposed by both parties/Under development & review
<i>Recovery Pathway</i>	Direct/Exchange	Indirect/Exchange/ <i>Direct under eval.</i>	Indirect/Direct/Exchange	Indirect/Exchange/Direct	Indirect/Exchange/ <i>Direct under eval.</i>
<i>Valley Water Rights and Ownership</i>	Contract (Priority)	Contract (Priority) – <i>Under Dev.</i>	Contract	Contract (Priority)	Contract (Priority)
<i>Valley Water Participation</i>	35% Partner	<i>Under Development</i>	<i>Under Development; Active Discussion on Terms and Needs</i>	<i>Under Development</i>	<i>Under Development; Active Discussion on Terms and Needs</i>
<i>Approximate Banking Cost</i>	Estimated \$398/AF (2020)	\$450/AF - \$750/AF	\$369/AF - \$958/AF	<i>Under Development</i>	<i>N/A: Wet year water as payment</i>
<i>Key Risk Considerations</i>	<ul style="list-style-type: none"> <li>- Uncertainty regarding future reliability under SGMA</li> <li>- Cost increases possible with energy + treatment</li> <li>- KCWA control of storage + recovery</li> <li>- Limited exchange capacity in dry years</li> <li>- Banking agreement expires 12/31/35</li> <li>- If Semitropic fails to perform, SWSD may pay VW to retain VW's water</li> </ul>	<ul style="list-style-type: none"> <li>- Analysis of water quality &amp; SGMA implications needed</li> <li>- Land acquisition not complete</li> <li>- Exchange agreements and partnerships not formalized</li> <li>- Reclamation has less experience with similar exchange agreements</li> <li>- County ordinance currently allows only in-county agencies to bank</li> <li>- Operated by local GSA with SGMA compliance requirements</li> </ul>	<ul style="list-style-type: none"> <li>- High energy costs</li> <li>- Disputed SWP cost allocation</li> <li>- Limited SWP dry year exchange capacity competing with other southern CA water banks</li> <li>- Exchange agreements and partnerships not formalized</li> <li>- Adjudicated basin, less complex management</li> </ul>	<ul style="list-style-type: none"> <li>- Not connected to SWP or CVP system</li> <li>- Other water agency partner(s) needed for storage and recovery</li> <li>- Poor GW quality, possible need for water quality treatment</li> <li>- Project is currently poorly defined</li> <li>- Dry year recovery reliant on North-of-Delta transfers for direct delivery</li> </ul>	<ul style="list-style-type: none"> <li>- First 'Transfer Package' - defined by the Water Management Tool Amendment to the State Water Contract</li> <li>- Limited SWP dry year exchange capacity competing with other southern CA water banks</li> </ul>
<i>Qualitative Benefits and Other Considerations</i>	<ul style="list-style-type: none"> <li>- Proven effective operation over past 23 years</li> <li>- Established and Operational</li> <li>- Comparatively good price on a \$/AF basis</li> </ul>	<ul style="list-style-type: none"> <li>- Closest bank to San Luis Reservoir</li> <li>- Adjacent to Mendota Pool and Delta-Mendota Canal</li> <li>- Plentiful CVP exchange capacity to support withdrawals</li> <li>- High dry year reliability</li> <li>- Many potential return mechanisms</li> <li>- Terms are negotiable</li> <li>- Greater feasibility for direct physical pump back</li> </ul>	<ul style="list-style-type: none"> <li>- Direct partnership with SWP contractor</li> <li>- DWR has approved similar exchange agreements</li> <li>- Up to 14 TAF Table A exchange return mechanism in San Luis Reservoir</li> <li>- Terms are negotiable</li> <li>- Limited Term Pilot Option</li> </ul>	<ul style="list-style-type: none"> <li>- Direct delivery possible via transfer water</li> <li>- Potential for no other banking agencies</li> <li>- Terms are negotiable</li> <li>- Potential for ownership/operational control</li> </ul>	<ul style="list-style-type: none"> <li>- Terms are negotiable</li> <li>- Limited exchange of KCWA Table A</li> <li>- Potential dry year supply</li> </ul>
<i>Schedule</i>	Operational	Start Construction, 2023; Initial 'Puts', 2024	Start Construction, 2023; Initial 'Puts', 2025	<i>Under Development</i>	<i>Under Development; Proposed 2022-2026</i>

\* Buena Vista long-term exchange concept is on-hold until further notice from Buena Vista Water Storage District

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# Aquaterra Water Bank Conveyance Map



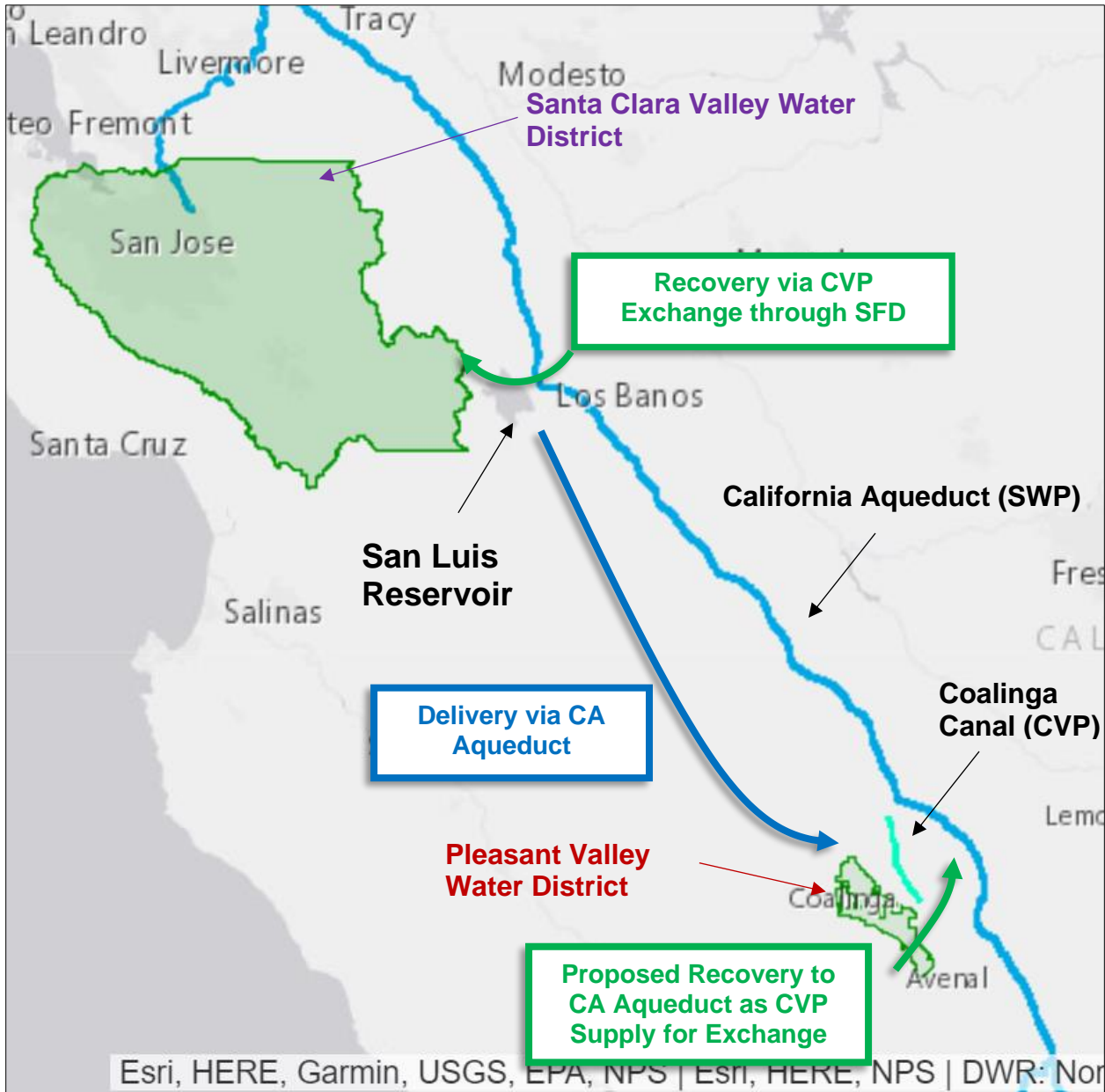
DMC: Delta-Mendota Canal  
CVP: Central Valley Project  
SWP: State Water Project

# AVEK and High Desert Water Bank Conveyance Map



**SFD:** San Felipe Division  
**SBA:** South Bay Aqueduct  
**SWP:** State Water Project

# Pleasant Valley Water Bank Conveyance Map



SFD: San Felipe Division  
CVP: Central Valley Project  
SWP: State Water Project







# Santa Clara Valley Water District

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**File No.:** 21-1097

**Agenda Date:** 10/29/2021

**Item No.:** 4.2.

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## COMMITTEE AGENDA MEMORANDUM

### Water Storage Exploratory Committee

**SUBJECT:**

Los Vaqueros Reservoir Expansion Project Update.

**RECOMMENDATION:**

- A. Receive and Discuss Timelines for the Los Vaqueros Reservoir Expansion Project; and
- B. Receive and Discuss Update on Joint Powers Authority.

**SUMMARY:**

The Santa Clara Valley Water District (Valley Water) continues to evaluate participating in the Los Vaqueros Reservoir Expansion Project (LVE Project) led by Contra Costa Water District (CCWD). The Joint Exercise of Powers Agreement was approved by seven local agency partners (LAPs), including Valley Water's Board on August 24, 2021, and filed with the State on October 6, 2021. Director LeZotte was appointed to represent Valley Water on the JPA Board with Director Varela as the alternate. This presentation will include an update on current timelines for the LVE Project and preparations for the initial meeting of the Joint Powers Authority (JPA).

Background

CCWD estimates the total LVE Project development and construction costs to be \$827 million in 2018 dollars, or a total of \$951 million when escalated with an inflation factor of 3%. Federal and local environmental review is complete and did not receive legal challenges or significant public opposition.

Valley Water continues to work with LAPs to evaluate long-term participation levels, and associated water storage and/or supply benefits, costs, and risks. Valley Water is investigating participation scenarios using Transfer Bethany Pipeline conveyance only (no storage), shared storage in the reservoir, or dedicated storage. Participation in reservoir storage includes the Transfer Bethany Pipeline. Valley Water is also working with regional partners to evaluate how storage and conveyance components of the LVE Project could support other regional projects, such as the Refinery Recycled Water Exchange Project.

All the LAPs approved Amendment No. 3 to the Cost Share Agreement to provide project funding through 2022, or until the JPA approves an interim funding agreement next year.

Current Timeline

- October 20, 2021 (tentative) - California Water Commission (CWC) Feasibility Hearing for the \$394 million grant funding
- Late October - General Manager (GM) meeting
- Mid-November - First JPA Board Meeting
- November - Cost Allocation workshop with LAP staff
- 2022 - Post JPA Formation
  - Development of Interim Funding Agreement
  - Development of Facilities Usage Agreements
  - Development of Service Agreements and
  - Development of Potential Related Activity Agreements
- Mid 2022: Final award hearing with the CWC for Water Storage Investment Program (WSIP) funding
- Late 2022 - Execution of Service Agreements, Facilities Usage Agreements with CCWD and EBMUD, and the Final Funding Agreement with CWC
- 2023 - Start of construction on the initial LVE Project elements
- 2023 - 2025: Construction of Transfer-Bethany Pipeline
- 2027 - 2029: Construction of dam raise, pumping facilities, and other conveyance improvements
- 2030: LVE Project in full operation.

#### JPA Formation

All LAPs approved the JPA Agreement, which was filed with the State on October 6, 2021. The JPA will have a Board of Directors with a representative from each JPA member agency. The JPA Board will be responsible for project planning, construction, and post-construction activities including operating the facilities, ensuring adequate funding, facility maintenance and repair, and delivering project water. An overview of the JPA, with a list of Board members and alternates, is included as Attachment 1.

The first meeting of the JPA Board will be held in mid-November. CCWD is scheduling a GM meeting in late October to prepare for the first meeting and staff will provide briefings to Directors LeZotte and Varela to support them on the JPA Board.

#### **ATTACHMENTS:**

Attachment 1: JPA Overview

#### **UNCLASSIFIED MANAGER:**

Vincent Gin, 408-630-2633



The recently executed agreement establishes a new public agency to provide for governance and administration of the Los Vaqueros Reservoir Expansion Project (Project).

The primary objectives of the Joint Powers Authority (JPA) are to:

- 1** Provide governance of the Project by the Members
- 2** Ensure sufficient stable funding for the Project and related administrative and support activities
- 3** Ensure costs are reasonable and cost allocations are equitable and transparent

## ABOUT THE LOS VAQUEROS RESERVOIR JPA

The JPA will:

- Endure throughout Project design, construction, operation, maintenance, repair, and replacement of water-related facilities
- Enter into contracts and agreements to further the Project
- Issue bonds for the Local Agency Partner Cost-Share of the Project
- Deliver services to the JPA Members and receive payment from the JPA Members, creating a financial infrastructure for the Project

## LOS VAQUEROS RESERVOIR JPA MEMBERS

The following agencies have recently formed the Los Vaqueros Reservoir JPA.

- Alameda County Water District
- Contra Costa Water District , to include:
  - City of Brentwood\*
- East Bay Municipal Utility District
- Grassland Water District
- Santa Clara Valley Water District (Valley Water)
- San Francisco Public Utilities Commission , to include:
  - Bay Area Water Supply & Conservation Agency\*

- San Luis & Delta-Mendota Water Authority\*\*, consisting of:
  - Byron-Bethany Irrigation District
  - Del Puerto Water District
  - Panoche Water District
  - Westlands Water District
- Zone 7 Water Agency (Alameda County Flood Control & Water Conservation District, Zone 7)
- Department of Water Resources (ex officio, non-voting pursuant to Water Code Section 79759(b))

\*The City of Brentwood and the Bay Area Water Supply & Conservation Agency are not signatory parties to the JPA. Rather, these parties contract for project benefits through their wholesale providers.

\*\*The number and list of San Luis & Delta-Mendota Water Authority-member agencies participating through San Luis & Delta-Mendota Water Authority may change.

# JPA BOARD MEMBERS

BOARD MEMBER	ALTERNATE	AGENCY
Director Paul Sethy	Jonathan Wunderlich	Alameda County Water District
Director Lisa Borba (Board President)	Director Ernesto Avila (Vice President)	Contra Costa Water District
Director John Coleman	Director Lesa McIntosh	East Bay Municipal Utility District
Ellen Wehr (General Counsel)	Ricardo Ortega (General Manager)	Grassland Water District
Director Linda LeZotte	Director John Varella	Santa Clara Valley Water District
Michael Carlin (Acting General Manager)	Steve Ritchie (Assistant General Manager)	San Francisco Public Utilities Commission
Anthea Hansen (General Manager, Del Puerto Water District)	Jose Gutierrez (Chief Operating Officer, Westlands Water District)	San Luis & Delta-Mendota Water Authority
Director Angela Ramirez Holmes (Board President)	Director Sandy Figuers	Zone 7 Water Agency

## JPA BOARD MEETINGS

Los Vaqueros Reservoir JPA Board Meetings will be held monthly starting November 2021. The JPA Board Meetings will be public meetings and subject to the Brown Act. The nature of the meetings (i.e., in person, virtual or hybrid) will be dependent on the current circumstances with the COVID-19 pandemic, but the initial few meetings are planned to be fully virtual.

Information about Board Committee Meetings will be shared at a later date once Board Committees are established.

## JPA CONTACTS

The JPA's initial principal office will be housed with its Interim General Counsel, James Ciampa. The JPA will be establishing a website and its own e-mail addresses as time progresses and it becomes operational. Mr. Ciampa will also be engaging a contract employee through his firm to act as an interim clerk to the JPA's Board of Directors.

### INTERIM GENERAL COUNSEL

James Ciampa  
 Lagerlof, LLP  
 155 North Lake Avenue, 11th Floor  
 Pasadena, California 91101  
[jciampa@lagerlof.com](mailto:jciampa@lagerlof.com)  
 626-793-9400

### INTERIM ADMINISTRATOR

Marguerite Patil  
 Assistant General Manager –  
 Policy and External Affairs  
 Contra Costa Water District  
 1331 Concord Avenue  
 Concord, CA 94520  
[mpatil@ccwater.com](mailto:mpatil@ccwater.com)  
 925-688-8018



# Santa Clara Valley Water District

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**File No.:** 21-1098

**Agenda Date:** 10/29/2021

**Item No.:** 4.3.

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## COMMITTEE AGENDA MEMORANDUM

### Water Storage Exploratory Committee

#### **SUBJECT:**

Pacheco Reservoir Expansion Project Staff Recommended Alternative and Project Update

#### **RECOMMENDATION:**

A. Receive information on the Draft Staff Recommended Alternative for the Pacheco Reservoir Expansion Project (PREP) prior to presentation to the Board of Directors.

B. Receive information on the PREP status.

#### **SUMMARY:**

##### ***A. Planning/Feasibility - Draft Staff Recommended Alternative***

Previous presentations to the Water Storage Exploratory Committee and the Board of Directors described five feasible PREP alternatives explored in the alternatives analysis and draft Environmental Impact Report (EIR). Staff has completed various engineering design analyses, investigations, cost estimates, operational modeling, benefits assessments, and impact studies to select a hardfill dam at the upstream site as the staff recommended alternative. This project configuration will also be presented in the draft EIR as the preferred alternative.

Staff has received and reviewed a Draft Staff Recommended Alternative (SRA) Report summarizing the alternatives analysis, planning activities, and recommended project alternative. A Planning Study Report (PSR) will be prepared and submitted to the Board of Directors once the SRA Report is finalized. Staff anticipates the PSR will be complete and submitted in November 2021. This will substantially complete the PREP Planning Phase.

##### ***B. Project Update***

Updates to the project development, funding, and financing are provided below.

#### **Project Development**

Staff is currently reviewing the administrative draft of EIR that is due to be released for public review and comment in November 2021. A public meeting is being planned for January 2022 to present a summary of the draft EIR content and the California Environmental Quality Act (CEQA) process.

The PREP team has been developing the basis of design for several different project elements to be compiled into the 30% design package. The 30% design level plans, specifications, and construction cost estimate are beginning to be prepared. The team is also planning additional investigations to gather needed information and refine the project design.

### **Water Storage Investment Program (WSIP)**

On July 24, 2018, the California Water Commission (CWC) awarded Valley Water \$484.6 million of Maximum Conditional Eligibility Determination (MCED) funding for PREP under the State's Water Storage Investment Program (WSIP) program. The MCED was increased to \$496.7 million on February 3, 2021 to reflect an inflation adjustment of approximately 1%.

To remain eligible for the \$496.7 million MCED, Valley Water is statutorily required to meet the following milestones prior to January 1, 2022:

1. All feasibility studies are complete - The Feasibility Documentation is being updated with the most current project information and will be submitted to CWC staff for review in October 2021.
2. Draft environmental documentation is available for public review - The draft EIR is targeted for release in November 2021.
3. The Director of the Department of Water Resources (DWR) receives commitments for not less than 75 percent of the non-public benefit cost shares of the project - Board adoption of a Resolution will fulfill this milestone and will be recommended in November 2021. The sources of the funding may be from eligible Valley Water funding as well as any partnership contributions as applicable.

Staff presented a project update and timeline for the milestones above to the CWC at a regular meeting on August 18, 2021. The CWC will make a determination whether the project is feasible and eligible for the MCED at their December 15, 2021 meeting prior to the January 1, 2022 deadline.

### **Water Infrastructure Finance and Innovation Act (WIFIA)**

The WIFIA loan program is a low-cost federal loan program that is subject to annual Congressional budget appropriations. The 2021 appropriation is expected to allow the Environment Protection Agency (EPA) to lend up to \$6.5 billion. On August 16, 2021, the EPA announced that it has received 50 LOIs totaling \$8.2 billion in loan requests, well above the \$6.5 billion loan capacity for Fiscal Year (FY) 2021. Staff anticipates the WIFIA loan will save Valley Water \$1 million in debt service cost for every \$100 million in loan principal. Should Valley Water be successful in obtaining the full \$1.2 billion WIFIA loan for the PREP, the potential cost saving is approximately \$12 million per year, up to \$420 million in total debt service savings over a 35-year loan repayment period.

In April 2021, the EPA accepted Valley Water's Letter of Interest (LOI) submitted in October 2020 for \$660 million for the PREP, which was approximately 49% of the then estimated project cost of \$1.3 billion based on the FY 2021 Capital Improvement Plan (CIP). In the FY 2022 CIP, the PREP project

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cost estimate was increased to \$2.5 billion primarily due to updates to the dam and spillway design. Staff met with the EPA in the spring of 2021 to discuss this cost increase and the impact on the WIFIA loan sizing. The EPA provided guidance for Valley Water to submit a second LOI in 2021 to secure an additional \$575 million in WIFIA loan to ensure Valley Water will receive the full \$1.2 billion WIFIA loan to fund 49% of the current project cost. The 2021 LOI was submitted to the EPA in July 2021 and an announcement from the EPA on project selection is expected in October/November 2021. Staff anticipates the full loan application will be submitted by April 2022 with loan closing for the full \$1.2 billion loan amount by Dec 2022. Staff anticipates that the draft loan agreement will be presented for Board approval in the fall of 2022, prior to final loan closing.

**Partnerships**

Project partnership discussions with other agencies are ongoing. Discussions with one interested agency have included specific analysis of storage, transfer, and exchange scenarios. The team continues modeling of different operations to provide storage and exchange benefits to other potential partners. The PREP Team has contracted with two consultant teams specializing in water marketing and economics for assistance with partner outreach, opportunities, negotiations, and further analysis.

**ATTACHMENTS:**

Attachment 1: Powerpoint Presentation - Staff Recommended Alternative

**UNCLASSIFIED MANAGER:**

Christopher Hakes, 408-630-3796

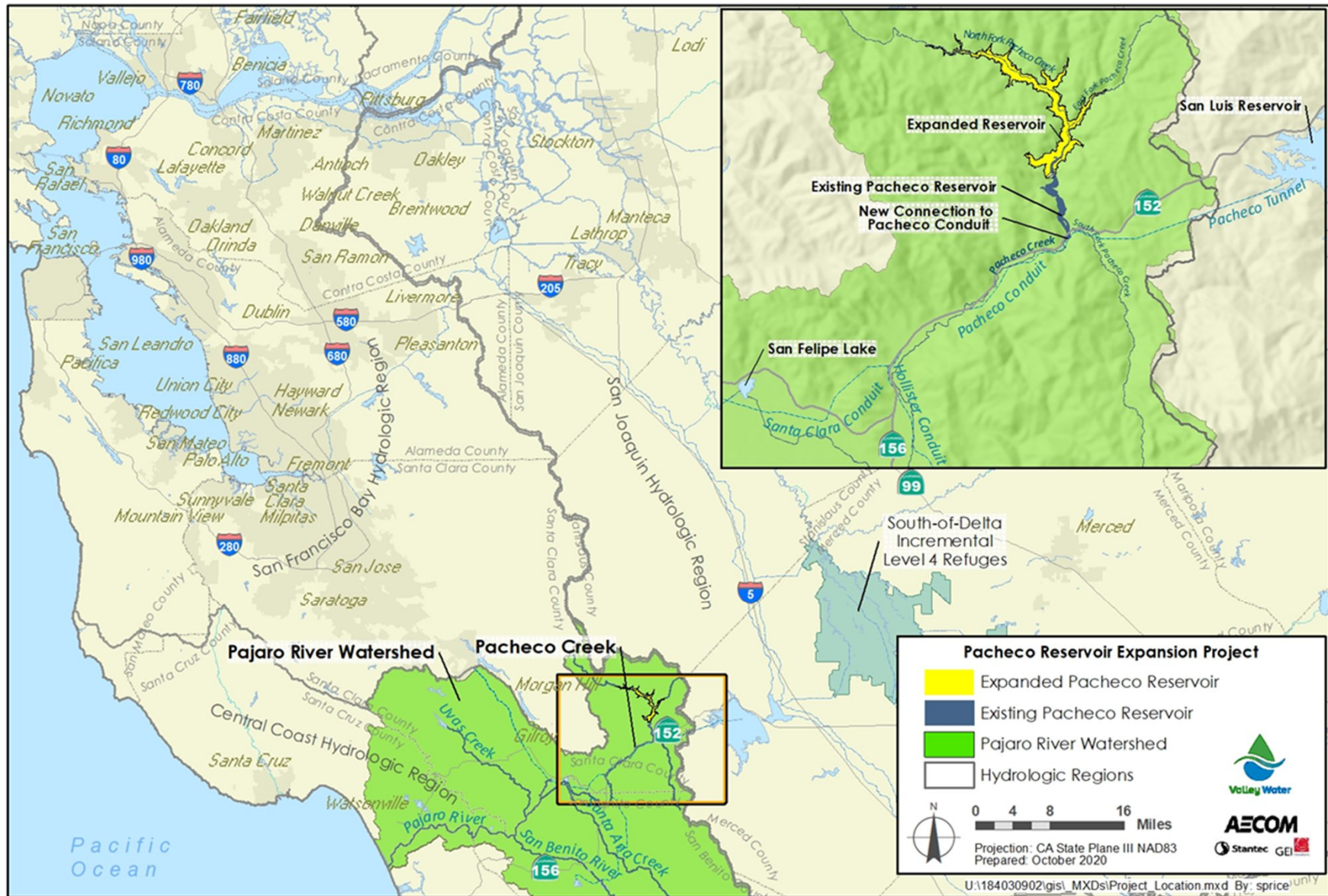






# Pacheco Reservoir Expansion Project Staff Recommended Alternative

Presented by: Ryan McCarter, PE, Pacheco Project Delivery Unit Manager

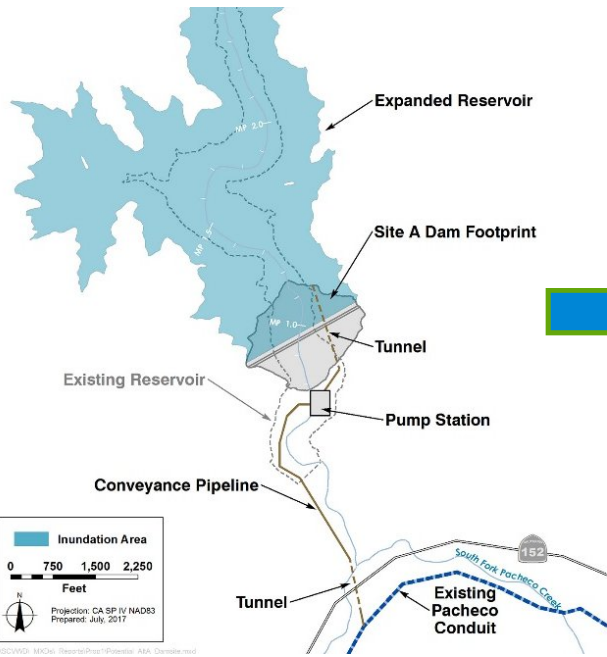


# Summary of Preliminary Alternatives (Jan 2021)

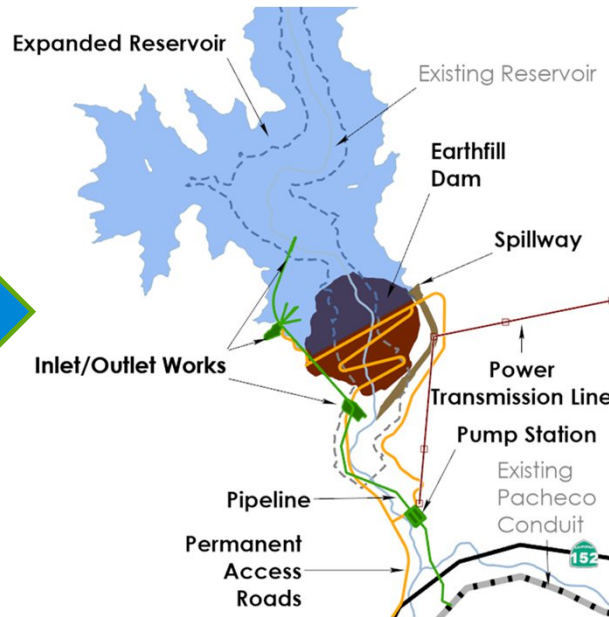
Preliminary Alternative #	Facilities Variations			Notes	Estimated Cost
	Dam Site Location	Expanded Reservoir Size	Dam Type		
1	Downstream	140,000 AF	Earthfill	<ul style="list-style-type: none"> <li>• Similar to WSIP application</li> <li>• Spillway and inlet/outlet works are separate from dam</li> </ul>	\$2.52 B
2	Downstream	140,000 AF	Hardfill	<ul style="list-style-type: none"> <li>• Spillway and inlet/outlet works are integrated into dam</li> <li>• Potentially shorter construction duration</li> <li>• Technical/permitting challenges</li> </ul>	\$2.19 B
3	Upstream	140,000 AF	Earthfill	<ul style="list-style-type: none"> <li>• Narrower dam (less embankment volume)</li> <li>• Spillway and inlet/outlet works are separate from dam</li> <li>• Encroaches into Henry Coe Park at full pool</li> </ul>	\$2.25 B
4	Upstream	140,000 AF	Hardfill	<ul style="list-style-type: none"> <li>• Narrower dam (less embankment volume)</li> <li>• Spillway and inlet/outlet works are integrated into dam</li> <li>• Potentially shorter construction duration</li> <li>• Technical/permitting challenges</li> <li>• Encroaches into Henry Coe Park at full pool</li> </ul>	\$2.12 B
5	Upstream	96,000 AF	Earthfill	<ul style="list-style-type: none"> <li>• Narrower and smaller dam</li> <li>• Spillway and inlet/outlet works are separate from dam</li> <li>• Provides 31% less reservoir capacity</li> </ul>	\$2.09 B

# PREP Design Progression

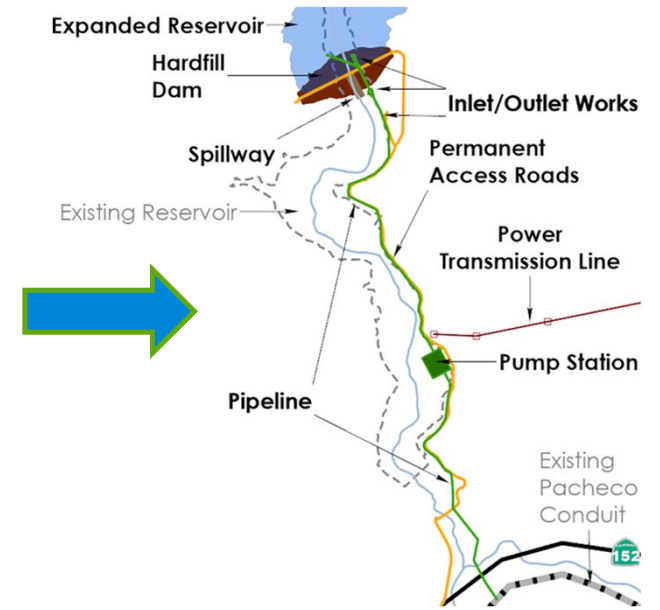
WSIP Application Concept 2017



Preliminary Design 2020



Recommended Alternative 2021

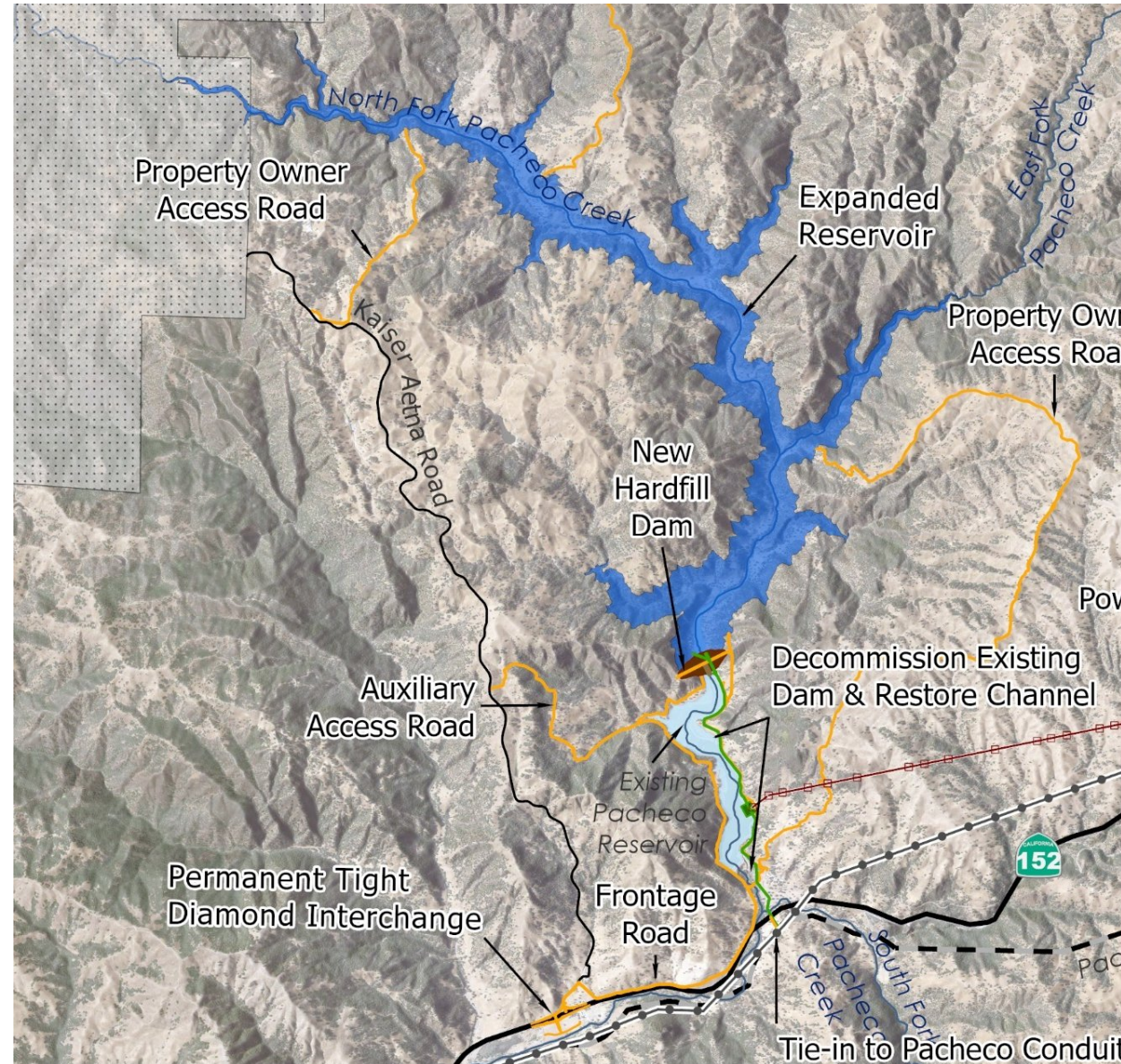


## Recommended Alternative:

- Smaller environmental impact area
- Reduced 10-15% reduction in construction cost from preliminary design
- Reduced construction schedule by one year

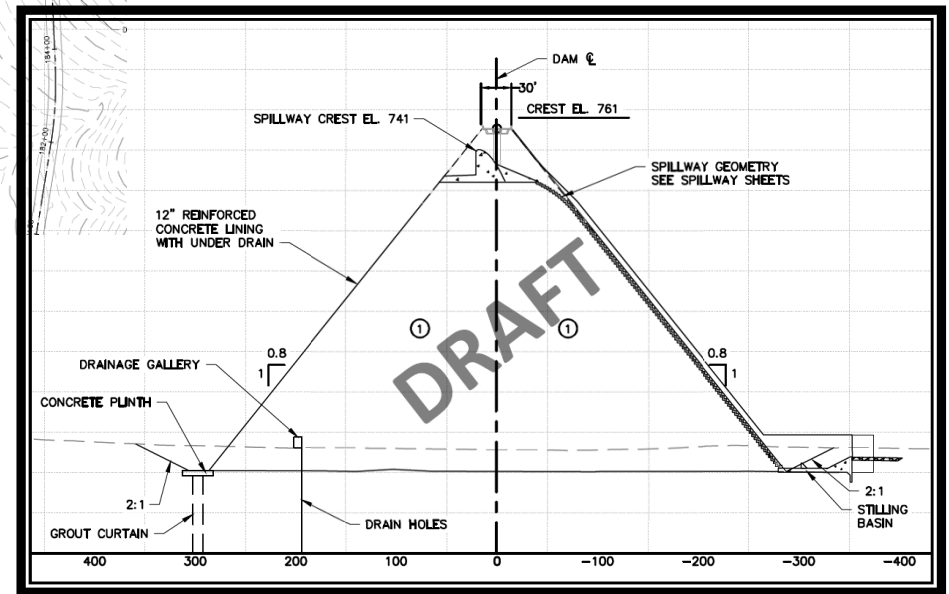
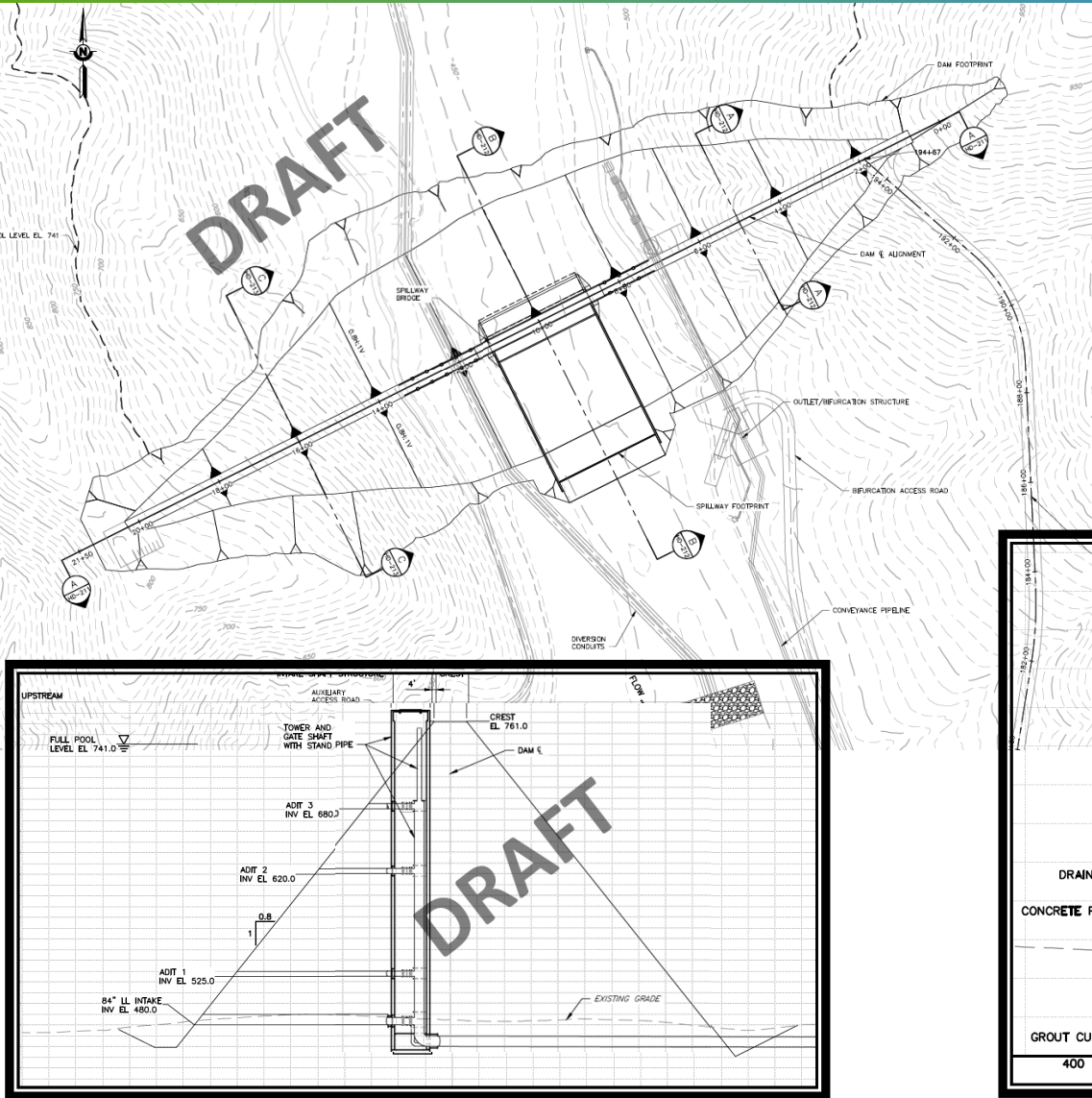
## Upstream Dam Site

- Improved geotechnical conditions - less foundation excavation
- Better geographic site - smaller dam volume
- +1 additional mile of restored creek
- Improved pump station site



## Recommended Alternative: Hardfill Dam

- Reduced construction footprint
- Spillway and inlet/outlet works integrated into the body of the dam
- Reduced maintenance
- State-of-the-art technology





# Valley Water

Clean Water • Healthy Environment • Flood Protection

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# Santa Clara Valley Water District

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**File No.:** 21-1099

**Agenda Date:** 10/29/2021

**Item No.:** 4.4.

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## COMMITTEE AGENDA MEMORANDUM

### Water Storage Exploratory Committee

**SUBJECT:**

Standing Items Information.

**RECOMMENDATION:**

- A. This agenda item allows the Committee to receive verbal or written updates and discuss the following subjects. These items are generally informational; however, the Committee may request additional information from staff:
  - B. This is informational only and no action is required.  
*Staff may provide a verbal update at the 10-29-2021, meeting if there is reportable/updated information.*
1. Update on Los Vaqueros Reservoir Expansion Project (LVE) Transfer Bethany Pipeline (TBP) and Update on Management of South Bay Aqueduct (SBA) Facilities (*separate agenda item*)
  2. Del Puerto (*No Update*)
  3. Water Banking Opportunities including but not limited to Pleasant Valley Water District (*separate agenda item*)
  4. Pacheco/San Luis Reservoir Low Point (*separate agenda item*)
  5. Semitropic (*Verbal Update*)
  6. Sites (*Verbal Update*)
  7. B.F. Sisk Dam Raise Project (*Verbal Update*)
  8. Shasta (*No Update*)

**SUMMARY:**

Standing Items will allow regular reports from staff on subjects that may be of interest to the committee members.

**ATTACHMENTS:**

None.

**UNCLASSIFIED MANAGER:**

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**File No.:** 21-1099

**Agenda Date:** 10/29/2021  
**Item No.:** 4.4.

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Candice Kwok-Smith, 408-630-3193



# Santa Clara Valley Water District

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**File No.:** 21-1100

**Agenda Date:** 10/18/2021

**Item No.:** 4.5.

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## **COMMITTEE AGENDA MEMORANDUM**

### **Water Storage Exploratory Committee**

#### **SUBJECT:**

Review Water Storage Exploratory Committee Work Plan and the Committee's Next Meeting Agenda.

#### **RECOMMENDATION:**

Review the Committee's Work Plan to guide the Committee's discussions regarding policy alternatives and implications for Board deliberation.

#### **SUMMARY:**

The Committee's Work Plan outlines the Board-approved topics for discussion to be able to prepare policy alternatives and implications for Board deliberation. The work plan is agendaized at each meeting as accomplishments are updated and to review any work plan assignments by the Board.

#### **BACKGROUND:**

##### **Governance Process Policy-8:**

The District Act provides for the creation of advisory boards, committees, or committees by resolution to serve at the pleasure of the Board.

Accordingly, the Board has established Advisory Committees, which bring respective expertise and community interest, to advise the Board, when requested, in a capacity as defined: prepare Board policy alternatives and provide comment on activities in the implementation of the District's mission for Board consideration. In keeping with the Board's broader focus, Advisory Committees will not direct the implementation of District programs and projects, other than to receive information and provide comment.

Further, in accordance with Governance Process Policy-3, when requested by the Board, the Advisory Committees may help the Board produce the link between the District and the public through information sharing to the communities they represent.

#### **ATTACHMENTS:**

Attachment 1: WSEC 2021 Work Plan

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**File No.:** 21-1100

**Agenda Date:** 10/18/2021  
**Item No.:** 4.5.

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**UNCLASSIFIED MANAGER:**  
Candice Kwok-Smith, 408-630-3193

# 2021 Work Plan: Water Storage Exploratory Committee

Update: October 2021

The annual work plan establishes a framework for committee discussion and action during the annual meeting schedule. The committee work plan is a dynamic document, subject to change as external and internal issues impacting Valley Water occur and are recommended for committee discussion.

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
1	<p>Standing Items:</p> <ol style="list-style-type: none"> <li>1. Update on Los Vaqueros Reservoir Expansion Project (LVE) Transfer Bethany Pipeline (TBP) and Update on Management of South Bay Aqueduct (SBA) Facilities</li> <li>2. Del Puerto</li> <li>3. Water Banking Opportunities including but not limited to Pleasant Valley Water District</li> <li>4. Pacheco/ San Luis Reservoir Low Point</li> <li>5. Semitropic</li> <li>6. Sites</li> <li>7. B.F. Sisk Dam Raise Project</li> <li>8. Shasta</li> </ol>	<p>2-26-2021 6-30-2021 10-29-2021</p>	<ul style="list-style-type: none"> <li>• Receive quarterly reports on standing items. <b>(Information)</b></li> </ul>	<p><b>Accomplished February 26, 2021:</b> The Committee received updates on the following projects: <u>Del Puerto</u>: Staff is tracking this project <u>Groundwater Banking</u>: See Agenda 4.3. <u>Semitropic</u>:  <ul style="list-style-type: none"> <li>✚ annual operations requesting maximum contractual amount of 31,500 af of water (intend to meet request but are sensitive to the exchange capacity and potential limitations),</li> <li>✚ staff is working with closely with DWR, contacting other SBA Contractors and met with Semitropic</li> </ul> <u>Sites</u>: No Report. <u>B.F. Sisk Dam Raise Project</u>:  <ul style="list-style-type: none"> <li>✚ December 18, 2020, Reclamation released final EIR/Supplemental EIS</li> <li>✚ December 30, 2020, Feasibility report approved by The Secretary of the Interior</li> <li>✚ Congress--eligible for funds under the WIIN Act.</li> <li>✚ Reclamation and The Authority continuing to work on Endangered Species Act compliance, permitting, preconstruction planning and</li> <li>✚ On target for project to begin in 2025</li> </ul> <u>Shasta</u>: No Report.                 </p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1

Page 1 of 6

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
				<p><b>Accomplished June 30, 2021:</b>                      The Committee received updates on the following projects:  <b>Del Puerto:</b> no updates.</p> <p><b>Semitropic:</b> related to banking operations up to May 1<sup>st</sup> took out 9,274 af scheduled to take an additional 1,162 af in June, through calendar 2021 scheduled to take 35,000 af, uncertainty related to takes but DWR's strong support of operation looks good.</p> <p><b>Sites:</b> cost estimate updated, increased to \$3.9 billion a 30% increase from previous estimates, current phase expires end of 2021, new phase beginning 2022 through December 2024, VW may be asked to and receive a participation agreement later in 2021.</p> <p><b>B. F. Sisk Dam Raise Project:</b>                      Reclamation and San Luis and Delta-Mendota Water Authority (Authority) continuing to work on Endangered Species Act, compliance and other permitting requirements, and doing preconstruction planning, the Office of Management and Budget (OMB) requested that the feasibility study be amended to include an updated cost estimate in the finalized transportation benefit analyses, also requiring that the Authority and Reclamation select an operational configuration to support our advice cost estimate for the program and that addendum to the feasibility study is due September 2021, expect discussions to pick up over the next few months, notice of determination and record of decision is expected in the Fall of this year and</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

# 2021 Work Plan: Water Storage Exploratory Committee

Update: October 2021

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
				<p>construction is slated for 2025 (schedule subject to change).</p> <p>Shasta: No updates.</p> <p>The Water Storage Exploratory Committee took no action, however, change Standing items Information to read Standing Items moving forward.</p>
2	Review of 2021 Water Storage Exploratory Committee Work Plan	2-26-2021 6-30-2021 10-29-2021	<ul style="list-style-type: none"> <li>Review the Committee's 2021 Work Plan.</li> </ul>	<p><b>Accomplished February 26, 2021:</b> The Committee reviewed the Committee's 2021 work plan and took no action.</p> <p><b>Accomplished June 30, 2021:</b> The Committee reviewed the Committee's 2021 work plan and the CEO asked that the Committee add a discussion item on extreme emergency water supply for fire suppression in the County and invite Cal Fire for a presentation to explain their needs.</p>
3	Update on Delta Conveyance Project	2-26-2021	<ul style="list-style-type: none"> <li>Receive an update on Delta Conveyance Project.</li> </ul>	<p><b>Accomplished February 26, 2021:</b> The Committee received a presentation from Ms. Carolyn (Carrie) Buckman of the California Department of Water Resources (DWR) and took no action.</p>
4	Update on Los Vaqueros Reservoir Expansion Project: (Joint Powers Authority, Usage Fee Letter of Intent, and Investment Scenarios)	2-26-2021	<ul style="list-style-type: none"> <li>Receive, discuss, and provide feedback regarding the creation of a Joint Powers Authority for the construction and operation of the Los Vaqueros Reservoir Expansion Project, Draft Letter of Intent regarding usage fees and Investment scenarios.</li> </ul>	<p><b>Accomplished February 26, 2021:</b> The Committee received an update and discussed the creation of a Joint Powers Authority for the construction and operation of the Los Vaqueros Reservoir Expansion Project, Draft Letter of Intent regarding usage fees and Investment scenarios and took no action.</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1

Page 3 of 6

# 2021 Work Plan: Water Storage Exploratory Committee

Update: October 2021

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
5	Groundwater Bank Update (Comparison Matrix)	2-26-2021 6-30-2021 10-29-2021	<ul style="list-style-type: none"> <li>Receive and discuss information regarding potential groundwater storage projects. (Comparison Matrix)</li> </ul>	<p><b>Accomplished February 26, 2021:</b> The Committee received an update and discussed information regarding potential groundwater storage projects-Comparison Matrix and took no action.</p> <p><b>Accomplished June 30, 2021:</b> The Committee received an update and discussed information regarding potential groundwater storage projects and took the following action: The Committee by roll call and unanimous vote approved that the Board request the CEO do a budget adjustment to hire a high-level staff person with a business development background and a water resources focus that can dedicate negotiating groundwater banking, storage, dam, and appropriate agreements.</p>
6	Update on Pacheco Reservoir Financing, Partners, and Public Private Partnership	2-26-2021	<ul style="list-style-type: none"> <li>Receive update on Pacheco Reservoir Financing, Partners, and Public Private Partnership.</li> </ul>	<p><b>Accomplished February 26, 2021:</b> The Committee received an update on Pacheco Reservoir Financing, Partners, and Public Private Partnership, and took no action.</p>
7	Pacheco Reservoir Expansion Project Workshop Topics.	4-5-2021	<ul style="list-style-type: none"> <li>Receive a presentation on the Pacheco Reservoir Expansion Project Workshop topics.</li> </ul>	<p><b>Accomplished April 5, 2021:</b> The Committee received a presentation on the Pacheco Reservoir Expansion Project Workshop topics and took no action, however, next steps staff will be working on are prioritizing partnerships and gathering as much information for the Board and Committee on Pacheco Reservoir as possible!</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1

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# 2021 Work Plan: Water Storage Exploratory Committee

Update: October 2021

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
8	Sargent Ranch Discussion.	4-5-2021	<ul style="list-style-type: none"> <li>Discuss Sargent Ranch-special presentation</li> </ul>	<p><b>Accomplished April 5, 2021:</b> The Committee received a presentation from Mr. Howard Justus on Sargent Ranch and took no action.</p>
9	Pacheco Reservoir Expansion Project Update (San Luis Reservoir Low Point Projects)	6-30-2021 7-19-2021 10-29-2021	<ul style="list-style-type: none"> <li>Receive and discuss information regarding the status of Pacheco Reservoir Expansion Project (San Luis Reservoir Low Point Projects)</li> </ul>	<p><b>Accomplished June 30, 2021:</b> The Committee received an update on the Pacheco Reservoir Expansion Project and took the following action: The Committee by roll call and unanimous vote approved that the Board request the Chief Executive Officer (CEO) review the Pacheco Reservoir Expansion Project's efforts to date, all potential partnerships, and other project issues to ensure that this project is a priority by staff. Also, request the CEO consider reorganizing staff resources, if deemed appropriate, since the Board has approved this project as #2 priority. The Committee requested an update on this recommendation at the next meeting.</p> <p><b>Accomplished July 19, 2021:</b> The Committee received an update on the Pacheco Reservoir Expansion Project and took action.</p>
10	Update on Los Vaqueros Reservoir Expansion Project:	6-30-2021 7-19-2021 10-29-2021	<ul style="list-style-type: none"> <li>Receive an update on Los Vaqueros Reservoir Expansion Project</li> </ul>	<p><b>Accomplished June 30, 2021:</b> The Committee received an update on the Los Vaqueros Reservoir Expansion Project and took the following action: The Committee by roll call and unanimous vote approved request to have the Board form a User Group Ad Hoc Committee (non Brown Act) and suggested having at least 1 WSEC Director, appropriate staff representation, and potentially having 1 or 2 elected officials from</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1

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ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
				<p>each policy user agency to discuss the Los Vaqueros Reservoir Expansion Project JPA Agreement, usage, and other pertinent business terms.</p> <p><b>Accomplished July 19, 2021:</b>                      The Committee received an update on the Los Vaqueros Reservoir Expansion Project and <i>took no action</i>, however, reminder of the June 30, 2021, meeting recommendation to request that the Board initiate discussions to form a User Group Ad Hoc (non-Brown Act) Committee having at least 1 WSEC Director, appropriate staff representation, and potentially having 1 or 2 elected officials from each user agency to discuss the Los Vaqueros Reservoir Expansion Project JPA Agreement, usage, and other pertinent business and policy terms.</p> <p><i>The Board received and this recommendation at its meeting on August 10, 2021.</i></p>
11	CAL FIRE Presentation	7-19-2021	<ul style="list-style-type: none"> <li>Receive information from CAL FIRE.</li> </ul>	<p><b>Accomplished July 19, 2021:</b>                      The Committee discussed, fire suppression, concerns with the turnouts/reliable sources phasing <i>and took no action</i>; however, the Committee would like to be kept apprised on this issue.</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

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