

January 24, 2022

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 **Thursday, January 27, 2022, at 9:00 a.m.** [Join Zoom Meeting https://valleywater.zoom.us/j/98246045660](https://valleywater.zoom.us/j/98246045660).

The meeting agenda and corresponding materials can be found on our website for your convenience. <https://www.valleywater.org/how-we-operate/committees/board-committees> or <https://www.valleywater.org/sites/default/files/WSEC-AmendedAgenda-01272022.pdf>



WATER STORAGE EXPLORATORY COMMITTEE MEETING

Join Zoom Meeting

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

Meeting ID: 982 4604 5660

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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 **AMENDED AGENDA**

Thursday, January 27, 2022
9:00 AM

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
AMENDED AGENDA**

Thursday, January 27, 2022

9:00 AM

Teleconference

BY VIRTUAL TELECONFERENCE ONLY

Pursuant to California Government Code section 54953(e), this meeting will be held by teleconference only. No physical location will be available for this meeting; however, members of the public will be able to participate in the meeting as noted below.

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>

Meeting ID: 982 4604 5660
One tap mobile
+16699009128,,98246045660# US (San Jose)

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.

[22-0172](#)

Recommendation: Approve the October 29, 2021, Meeting Minutes.

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

Attachments: [Attachment 1: 10292021 WSEC Draft Mins](#)

Est. Staff Time: 5 Minutes

4. ACTION ITEMS:

4.1. Los Vaqueros Reservoir Expansion Project Update. [22-0173](#)

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

Manager: Vincent Gin, 408-630-2633

Attachments: [Attachment 1: JPA Overview](#)
[Attachment 2: Participation Options 011422 .sg](#)

Est. Staff Time: 15 Minutes

4.2. Standing Items. [22-0174](#)

- Recommendation: A. This agenda item allows the Committee to receive verbal or written updates and discuss the below projects. These items are generally informational; however, the Committee may request additional information from staff:

B. This is informational only and no action is required.

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

Est. Staff Time: 15 Minutes

4.3. Review Water Storage Exploratory Committee Work Plan and the Committee's Next Meeting Agenda. [22-0175](#)

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: 2021 WSEC Work Plan](#)
[Attachment 2: 2022 WSEC Work Plan 1-27](#)

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. CLOSED SESSION:

6.1. CLOSED SESSION
CONFERENCE WITH LEGAL COUNSEL
Conference with Real Property Negotiators Pursuant to Government Code
Section 54956.8
Setting Negotiation Parameters for Price and Terms of Payment for Purchase,
Sale, or Exchange of Property Interest in APNs: 865-10-004, 865-10-010,
865-10-019, 865-11-007, 865-11-008, 865-11-019, 865-11-020, 865-11-021,
865-11-024, 865-11-029, 865-15-005, 865-15-006, 865-11-023, 865-11-022,
865-11-031, 865-11-030, 865-11-026, 865-11-027, 865-10-019, 865-11-025,
865-11-028, and 865-16-002.

Agency Negotiators: Rick Callender, Melanie Richardson, Aaron Baker, Chris
Hakes, and Bill Magleby

Negotiating Parties: Pacheco Land & Cattle Co., LLC

6.2. CLOSED SESSION
CONFERENCE WITH LEGAL COUNSEL
Conference with Real Property Negotiators Pursuant to Government Code
Section 54956.8
Setting Negotiation Parameters for Price and Terms of Payment for Purchase,
Sale, or Exchange of Property Interest in APN: 865-19-013

Agency Negotiators: Rick Callender, Melanie Richardson, Aaron Baker, Chris
Hakes, and Bill Magleby

Negotiating Parties: California Department of Parks and Recreation

6.3. CLOSED SESSION
CONFERENCE WITH LEGAL COUNSEL
INITIATION OF LITIGATION Pursuant to Government Code Section
54956.9(d)(4)
(One potential case)

6 .4 District Counsel Report on Closed Session.

7. ADJOURN:

7.1. Adjourn.



Santa Clara Valley Water District

File No.: 22-0172

Agenda Date: 1/27/2022
Item No.: 3.1.

COMMITTEE AGENDA MEMORANDUM

Water Storage Exploratory Committee

SUBJECT:

Approval of Minutes.

RECOMMENDATION:

Approve the October 29, 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: 10292021 WSEC Draft Mins

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193



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

DRAFT MINUTES

FRIDAY, OCTOBER 29, 2021
12:00 PM

(Paragraph numbers coincide with agenda item numbers)

A regular meeting of the Water Storage Exploratory Committee (Committee) was held on October 29, 2021, via Zoom.

1. CALL TO ORDER

The Water Storage Exploratory Committee was called to order by Committee Chair Director Gary Kremen at 12:00 p.m.

1.1 ROLL CALL

Valley Water Board Members in attendance were: Committee Chair, Director Gary Kremen (District 7), Director Richard P. Santos (District 3), and Director John L. Varela (District 1).

Valley Water Staff in attendance were: Emmanuel Aryee, Aaron Baker, Glenna Brambill, Bart Broome, Andrew Garcia, Vincent Gin, Alexander Gordon, Samantha Greene, Andy Gschwind, Michael Hagerty, Christopher Hakes, Brian Hopper, Dana Jacobson, Cindy Kao, Kathleen Low, Michael Martin, Ryan McCarter, Heath McMahon, Carmen Narayanan, Carlos Orellana, Melih Ozbilgin, Steven Peters, Melanie Richardson, Metra Richert, Don Rocha, Jamie Silva, Charlene Sun, Darin Taylor, Jing Wu, and Beckie Zisser.

Guests in attendance were: Brad Gleason (Pleasant Valley Water District {PVWWD}), Thomas Francis and Danielle McPherson (BAWSCA), Bob Green (AECOM), Anthea Hansen (Del Puerto Water District), Hon. Steve Jordan (BAWSCA and Purissima Hills Water District), Maureen Martin, Ph.D., and Marguerite Patil (Contra Costa Water District {CCWD}), Hon. Paul Sethy and Hon. John Weed (Alameda County Water District {ACWD}).and Eric Zagol (Mott Macdonald).

Public in attendance were: Gabriel J Alcantar, Jim Bowley, David Cramer, Fenerty Family, Rachel Glauser, Osha Meserve, Doug Muirhead, and Dave Niese.

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 July 19, 2021, meeting of the Water Storage Exploratory Committee as presented.

4. ACTION ITEMS

4.1 GROUNDWATER BANK UPDATE

Mr. Andrew Garcia reviewed the materials as outlined in the agenda item.

The Water Storage Exploratory Committee discussed the following: alternate water sources, cost for pumping, ranking the banks, exchange issues, and any other semi-tropic water.

Ms. Cindy Kao and Mr. Vincent Gin were available to answer questions.

The Water Storage Exploratory Committee took no action.

4.2 LOS VAQUEROS RESERVOIR EXPANSION PROJECT UPDATE

Mr. Michael Martin reviewed the materials as outlined in the agenda item.

The Water Storage Exploratory Committee discussed the following: JPA formed but has not met yet.

The Water Storage Exploratory Committee took no action.

4.3 PACHECO RESERVOIR EXPANSION PROJECT STAFF RECOMMENDED ALTERNATIVE AND PROJECT UPDATE

Mr. Ryan McCarter reviewed the materials as outlined in the agenda item.

The Water Storage Exploratory Committee discussed the following: alternative borders-State Park, tribal discoveries-mitigation, touring sites, agricultural concerns, draft EIR release, WIFIA Loan rate, and partners level of interest.

Public Comment Received:

Hon. Steve Jordan-congratulations on the progress, costs, and partners this is good news.

Ms. Charlene Sun was available to answer questions.

The Water Storage Exploratory Committee took no action, however, suggested having Director John L. Varela continue to build relationships with the elected officials.

4.4 STANDING ITEMS REPORT

Mr. Vincent Gin, Mr. Andrew Garcia and Ms. Cindy Kao gave verbal reports on the following projects:

Semitropic:

- 90 % full, DWR-recovering water, South Bay Contractors, No challenges, safety withdrawals,
- Salinity, have to stop pumping they'll have to reverse flow/if hydrology is low as well

Sites

- Project agreement, JPA Board approves additional WIIN Act funding, Amendment 3.

B.F. Sisk Dam Raise Project

- EIR final report, single participation approach, cost allocations.

Mr. Aaron Baker was available to answer questions.

The Water Storage Exploratory Committee took no action.

4.5 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.

Schedule tours and invite Pacheco Pass Water District and CAL Fire.

The Water Storage Exploratory Committee took no action.

5. CLERK REVIEW AND CLARIFICATION OF COMMITTEE ACTIONS

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

6. ADJOURNMENT

Committee Chair Director Gary Kremen adjourned the meeting at 12:57 p.m.

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

Approved:



Santa Clara Valley Water District

File No.: 22-0173

Agenda Date: 1/27/2022

Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM

Water Storage Exploratory Committee

SUBJECT:

Los Vaqueros Reservoir Expansion Project Update.

RECOMMENDATION:

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

SUMMARY:

Santa Clara Valley Water District (Valley Water) joined the Los Vaqueros Reservoir Expansion Project (LVE Project) Joint Powers Authority (JPA) through Board of Director approval of the Joint Exercise of Powers Agreement on August 24, 2021; JPA paperwork was filed with the State by Contra Costa Water District on October 6, 2021. The JPA includes seven other local agency partners (LAPs, Attachment 1). Director LeZotte was appointed to represent Valley Water on the JPA Board with Director Varela as the alternate. This presentation includes an update on JPA activities and the current timelines for the LVE Project.

Background

CCWD estimates the total LVE Project development and construction costs to be \$951 million (\$827 million in 2021 dollars). Federal and state environmental review is complete and neither received legal challenges nor significant public opposition. The project is now overseen by a JPA Board, made up of one representative and one alternate from each of the eight member agencies (Attachment 1). DWR is an ex-officio member that does not have voting rights and has not yet appointed anyone to the JPA Board. 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.

Joint Powers Authority

The JPA Board meets the second Wednesday of every month, and its first meeting was November 10, 2021. JPA meetings have focused on administrative issues required for the JPA to properly oversee the LVE Project. Staff has been providing briefings to Directors LeZotte and Varela on JPA agenda items and has arranged for briefings from JPA administrative staff. Over the first three meetings the JPA Board has:

- Selected a Chair, Vice-Chair, Secretary, and Treasurer

- Appointed Interim Administrator positions
- Approved an Administrative Agreement with CCWD
- Approved public records act request guidelines
- Established Board committees (Operations and Engineering, Finance, and Communications and Outreach)
- Discussed Authority bylaws and a purchasing policy,

Over the next couple of months, committees will begin meeting to develop and negotiate funding agreements, service agreements, and ensure proper and timely progress on project design and construction. By the end of the year, the JPA Board will need to approve an Interim Funding Agreement, Facilities Usage Agreements, and Service Agreements to meet the requirements for final WSIP funding and start construction next year.

Valley Water Participation

Attachment 2 provides scenarios for Valley Water participation in the LVE Project. Five levels of participation in conveyance and four in storage are identified. Total 100-year costs vary from \$10 million to \$500 million. By late summer this year, the Board will need to decide whether to participate in the LVE Project and at what level in order to negotiate a Service Agreement by the end of the year. If the Board decides against participation, it will need to withdraw from the JPA. Under the JPA Agreement, any agency can withdraw up to the final WSIP award without incurring future obligations, but from a practical standpoint that decision should be made prior to the start of negotiations for Service Agreements in late summer. Staff will bring additional information and a recommendation to the committee in the coming months based on the feedback received.

Current Timeline

Summer 2022 - WSEC recommendation on LVE Project participation

Fall 2022 - Board direction on LVE Project participation

Late 2022 / Early 2023 - WSEC and Board consideration of Service Agreement

Early 2023 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

ATTACHMENTS:

Attachment 1: JPA Overview

Attachment 2: Valley Water Participation Scenarios

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
 626-793-9400

INTERIM ADMINISTRATOR

Marguerite Patil
 Assistant General Manager –
 Policy and External Affairs
 Contra Costa Water District
 1331 Concord Avenue
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mpatil@ccwater.com
 925-688-8018

Los Vaqueros Expansion Participation Scenarios

Valley Water has been analyzing participation in the Los Vaqueros Reservoir Expansion Project (LVE Project). In the next year, Valley Water will need to formally decide whether to participate in the LVE project, and if so, at what levels of conveyance and storage. Five potential levels of participation in Los Vaqueros conveyance facilities and four different levels of participation in storage are discussed below. The 100-year cost and the cost for the next 10 years are provided in tables at the end. Estimated conveyance flows and storage usage are based on previous modeling conducted with Contra Costa Water District (CCWD). Hydrologic conditions significantly influence the annual usage.

Conveyance Options

Minimal Participation – average: 1,000 AFY; max: as much as possible

LVE facilities would be used for special or emergency circumstances. Contract water would continue to be delivered via existing facilities unless there was an emergency that required an alternative pathway. In an emergency, as much capacity as available would likely be needed to deliver contract and transfer supplies; however, all other partners would be in a similar situation and demand for conveyance capacity would be high. As a small partner in this scenario our ability to obtain capacity may be limited.

Surplus Flows – average: 3,000 AFY; max: 6,000 AFY

Valley Water could take direct delivery of surplus flows via Transfer-Bethany Pipeline (TBP) if there is a water supply need or storage space for additional supplies available. Surplus supplies are more available in wet years when there is typically less need. Valley Water could also use capacity during emergency circumstances.

LVE Storage – average 5,000 AFY; max: 15,000AFY

If Valley Water uses storage in Los Vaqueros it can store contract and surplus supplies for use in dry years. Water would be conveyed to the reservoir in wetter years and then conveyed to Valley Water via TBP in drier years. The amount of water stored and conveyed would depend on how water to Los Vaqueros is prioritized relative to other Valley Water storage options.

Regional Water Projects – average 11,000 AFY; max: 18,000 AFY (RRWE)

Two regional water exchange projects that Valley Water participates in are the Refinery Recycled Water Exchange (RRWE) and Bay Area Regional Desalination. Both projects develop new water either via water recycling or desalination, where that new water supply will go to CCWD customers. In exchange for the developing the new supplies, the freed up CCWD CVP supplies will be given to Valley Water via the Transfer Bethany Pipeline and South Bay Aqueduct.

Maximum Conveyance – max: 30,000 AFY

The maximum volume of water Valley Water would likely convey in a single year would be 30,000 AF if the full volume of storage was delivered in a single year.

Storage Options

No Storage

Valley Water may participate in conveyance only. Valley Water would continue to store water in existing facilities and could add storage capacity with Pacheco Reservoir and/or groundwater banking opportunities.

Shared Storage

Valley Water could share unreserved capacity in Los Vaqueros. Shared storage may be useful for limited amounts over short periods. For example, to store surplus water in a wet year for delivery a year or two later when there would be more opportunities for direct use or local storage. Currently, SFPUC and EBMUD have stated their desire for dedicated storage, totaling 70,000 AF of the available 115,000 AF of storage. The remaining 45,000 AF would be available to the other five partners to share. Shared storage capabilities would need to be negotiated as part of the service agreements. If the Joint Powers Authority (JPA) permits shared storage, unused capacity would likely be available to any partner. The cost estimate in tables 1 and 2 is based on each agency equally using and paying for the shared storage portion of the reservoir.

Dedicated Storage

Valley Water can reserve a fixed volume for its exclusive use to diversify Valley Water's out of county storage. CCWD and Valley Water modeling to evaluate cost has focused on Valley Water using 30,000 AF of the remaining 45,000 AF, but actual partner shares will be negotiated by the JPA as part of the service agreements.

Project Cost

Two tables are presented below. The first is total projected 100-year cost presented in current dollars. The second is estimated costs over the next 10 years (2022 through 2031). Costs are estimates based on financial modeling conducted by CCWD (Proforma models). The Proforma models are based on the requested use by each partner, estimated construction costs and financing, usage fees as currently negotiated between the partners, and power and fixed operations and maintenance costs. Each of these cost factors is subject to change as each agency negotiates with the JPA.

Table 1. Valley Water 100-Year Cost (2021\$)

Annual Conveyance Capacity	No Storage	Shared Storage	30TAF	50TAF
1,000 AF (1 cfs)	\$10 Million	N/A	N/A	N/A
5,000 AF (7 cfs)	\$60 Million	\$80 Million	\$130 Million	\$180 Million
15,000 AF (21 cfs)	\$170 Million	\$190 Million	\$240 Million	\$290 Million
30,000 AF (41 cfs)	N/A	\$400 Million	\$450 Million	\$500 Million

Table 2. Valley Water 10-Year Cost (Inflated\$)

	No Storage	Shared Storage	30TAF	50TAF
1,000 AF	\$3 Million	N/A	N/A	N/A
5,000 AF	\$20 Million	\$25 Million	\$45 Million	\$60 Million
15,000 AF	\$55 Million	\$65 Million	\$80 Million	\$100 Million
30,000 AF	N/A	\$130 Million	\$150 Million	\$170 Million



Santa Clara Valley Water District

File No.: 22-0174

Agenda Date: 1/27/2022

Item No.: 4.2.

COMMITTEE AGENDA MEMORANDUM

Water Storage Exploratory Committee

SUBJECT:

Standing Items.

RECOMMENDATION:

- A. This agenda item allows the Committee to receive verbal or written updates and discuss the below projects. These items are generally informational; however, the Committee may request additional information from staff, and
- B. This is informational only and no action is required.

SUMMARY:

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

Staff may provide a verbal update at the 1-27-2022, 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 (**Verbal Update**)
4. Pacheco/San Luis Reservoir Low Point (**Verbal Update**)
5. Semitropic (**Verbal Update**)
6. Sites (**Verbal Update**)
7. B.F. Sisk Dam Raise Project (**Verbal Update**)
8. Shasta (**No Update**)

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Candice Kwok-Smith, 408-630-3193



Santa Clara Valley Water District

File No.: 22-0175

Agenda Date: 1/27/2022

Item No.: 4.3.

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: 2021 WSEC Work Plan

Attachment 2: 2022 WSEC Work Plan

File No.: 22-0175

Agenda Date: 1/27/2022
Item No.: 4.3.

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

2021 Work Plan: Water Storage Exploratory Committee

Update: January 2022

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"> 1. Update on Los Vaqueros Reservoir Expansion Project (LVE) Transfer Bethany Pipeline (TBP) and Update on Management of South Bay Aqueduct (SBA) Facilities 2. Del Puerto 3. Water Banking Opportunities including but not limited to Pleasant Valley Water District 4. Pacheco/ San Luis Reservoir Low Point 5. Semitropic 6. Sites 7. B.F. Sisk Dam Raise Project 8. Shasta 	<p>2-26-2021 6-30-2021 10-29-2021</p>	<ul style="list-style-type: none"> • Receive quarterly reports on standing items. (Information) 	<p>Accomplished February 26, 2021: The Committee received updates on the following projects: Del Puerto; Staff is tracking this project Semitropic:</p> <ul style="list-style-type: none"> + 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), + staff is working with closely with DWR, contacting other SBA Contractors and met with Semitropic <p>Sites: No Report. B.F. Sisk Dam Raise Project:</p> <ul style="list-style-type: none"> + December 18, 2020, Reclamation released final EIR/Supplemental EIS + December 30, 2020, Feasibility report approved by The Secretary of the Interior + Congress--eligible for funds under the WIIN Act. + Reclamation and The Authority continuing to work on Endangered Species Act compliance, permitting, preconstruction planning and + On target for project to begin in 2025 <p>Shasta: No Report.</p> <p>Accomplished June 30, 2021: The Committee received updates on the following projects:</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>Del Puerto: No update.</p> <p>Semitropic: related to banking operations up to May 1st 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>Sites: 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. F. Sisk Dam Raise Project: 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 construction is slated for 2025 (schedule subject to change).</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

2021 Work Plan: Water Storage Exploratory Committee

Update: January 2022

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
				<p>Shasta: No update.</p> <p>The Water Storage Exploratory Committee took no action, however, change Standing items Information to read Standing Items moving forward.</p> <p>Accomplished October 29, 2021: The Committee received updates on the following projects: Del Puerto: No Update. Semitropic:</p> <ul style="list-style-type: none"> • 90 % full, DWR-recovering water, South Bay Contractors, No challenges, safety withdrawals, • Salinity, have to stop pumping they'll have to reverse flow/if hydrology is low as well <p>Sites:</p> <ul style="list-style-type: none"> • Project agreement, JPA Board approves additional WIIN Act funding, Amendment 3. <p>B.F. Sisk Dam Raise Project:</p> <ul style="list-style-type: none"> • EIR final report, single participation approach, cost allocations. <p>Shasta: No update</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"> • Review the Committee's 2021 Work Plan. 	<p>Accomplished February 26, 2021: The Committee reviewed the Committee's 2021 work plan and took no action.</p> <p>Accomplished June 30, 2021: 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</p>

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2021 Work Plan: Water Storage Exploratory Committee

Update: January 2022

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
				<p>to explain their needs.</p> <p>Accomplished October 29, 2021: The Committee reviewed the Committee's 2021 work plan took no action but requested: Schedule tours and invite Pacheco Pass Water District and CAL Fire.</p>
3	Update on Delta Conveyance Project	2-26-2021	<ul style="list-style-type: none"> Receive an update on Delta Conveyance Project. 	<p>Accomplished February 26, 2021: 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"> 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. 	<p>Accomplished February 26, 2021: 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>

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2021 Work Plan: Water Storage Exploratory Committee

Update: January 2022

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"> Receive and discuss information regarding potential groundwater storage projects. (Comparison Matrix) 	<p>Accomplished February 26, 2021: The Committee received an update and discussed information regarding potential groundwater storage projects-Comparison Matrix and took no action.</p> <p>Accomplished June 30, 2021: 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> <p>Accomplished October 29, 2021: The Committee received an update on Groundwater Banking and took no action.</p>
6	Update on Pacheco Reservoir Financing, Partners, and Public Private Partnership	2-26-2021	<ul style="list-style-type: none"> Receive update on Pacheco Reservoir Financing, Partners, and Public Private Partnership. 	<p>Accomplished February 26, 2021: 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"> Receive a presentation on the Pacheco Reservoir Expansion Project Workshop topics. 	<p>Accomplished April 5, 2021: The Committee received a presentation on the Pacheco Reservoir Expansion Project Workshop topics and took no action, however, next steps still will be working on are prioritizing partnerships and gathering as much information for the Board and Committee on Pacheco Reservoir as possible!</p>

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2021 Work Plan: Water Storage Exploratory Committee

Update: January 2022

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"> Discuss Sargent Ranch-special presentation 	<p>Accomplished April 5, 2021: 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	<ul style="list-style-type: none"> Receive and discuss information regarding the status of Pacheco Reservoir Expansion Project (San Luis Reservoir Low Point Projects) 	<p>Accomplished June 30, 2021: 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>Accomplished July 19, 2021: 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"> Receive an update on Los Vaqueros Reservoir Expansion Project 	<p>Accomplished June 30, 2021: 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>

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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>Accomplished July 19, 2021: 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> <p>Accomplished October 29, 2021: The Committee received an update on the Los Vaqueros Reservoir Expansion Project and took no action.</p>
11	CAL FIRE Presentation	7-19-2021	<ul style="list-style-type: none"> Receive information from CAL FIRE. 	<p>Accomplished July 19, 2021: <i>The Committee</i> 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>

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2021 Work Plan: Water Storage Exploratory Committee

Update: January 2022

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
12	Pacheco Reservoir Expansion Project Staff Recommended Alternative and Project Update	10-29-2021	<ul style="list-style-type: none"> Receive Pacheco Reservoir Expansion Project Staff Recommended Alternative and Project Update. 	<p>Accomplished October 29, 2021: The Water Storage Exploratory Committee received a presentation on Pacheco Reservoir Expansion project staff recommended alternative and project update and took no action, however, suggested having Director John L. Varela continue to build relationships with the elected officials.</p>

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2022 Work Plan: Water Storage Exploratory Committee

Update: January 2022

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	Standing Items: 1. Update on Los Vaqueros Reservoir Expansion Project (LVE) Transfer Bethany Pipeline (TBP) and Update on Management of South Bay Aqueduct (SBA) Facilities 2. Del Puerto 3. Water Banking Opportunities including but not limited to Pleasant Valley Water District 4. Pacheco/ San Luis Reservoir Low Point 5. Semitropic 6. Sites 7. B.F. Sisk Dam Raise Project 8. Shasta	1-27-2022	<ul style="list-style-type: none"> Receive quarterly reports on standing items. (Information) 	
2	Review of 2022 Water Storage Exploratory Committee Work Plan	1-27-2022	<ul style="list-style-type: none"> Review the Committee's 2022 Work Plan. 	
4	Update on Los Vaqueros Reservoir Expansion Project:	1-27-2022	<ul style="list-style-type: none"> Receive Update on Los Vaqueros Reservoir Expansion Project 	

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Attachment 2
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2022 Work Plan: Water Storage Exploratory Committee

Update: January 2022

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
5	Cadiz, Inc.	Next Meeting	<ul style="list-style-type: none"> • Cadiz, Inc Water Project Presentation 	
6	Groundwater Bank Update	TBD	<ul style="list-style-type: none"> • Receive and discuss information regarding potential groundwater storage projects 	
7	Pacheco Reservoir Expansion Project Update (San Luis Reservoir Low Point Projects)	TBD	<ul style="list-style-type: none"> • Receive and discuss information regarding the status of Pacheco Reservoir Expansion Project (San Luis Reservoir Low Point Projects) 	

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