

January 9, 2020

NOTICE OF MEETING TIME CHANGE**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

Norma J. Camacho, Chief Executive Officer

Nina Hawk, Chief Operating Officer, Water Utility

Melanie Richardson, Chief Operating Officer, Watersheds

Rick Callender, Chief of External Affairs

Stanly Yamamoto, District Counsel

Brian Hopper, Senior Assistant District Counsel

Anthony Fulcher, Senior Assistant District Counsel

Rachael Gibson, Deputy Administrative Officer, Office of Government Relations

Garth Hall, Deputy Operating Officer, Water Supply Division

Tim Bramer, Interim Deputy Operating Officer, Water Utility Capital Division

Christopher Hakes, Deputy Operating Officer, Dam Safety & Capital Delivery Division

Rechelle Blank, Assistant Officer, Dam Safety and Capital Delivery Division

Jerry De La Piedra, Assistant Officer, Water Supply Division Deputy's Office

Cindy Kao, Imported Water Manager, Imported Water Unit

Ryan McCarter, Pacheco Project Manager, Pacheco Project Delivery Unit

Charlene Sun, Treasury and Debt Manager

Metra Richert, Unit Manager, Water Supply Planning & Conservation Unit

Bradly Arnold, Senior Water Resources Specialist, Water Supply Planning & Conservation Unit

Samantha Greene, Senior Water Resources Specialist, Water Supply Planning & Conservation Unit

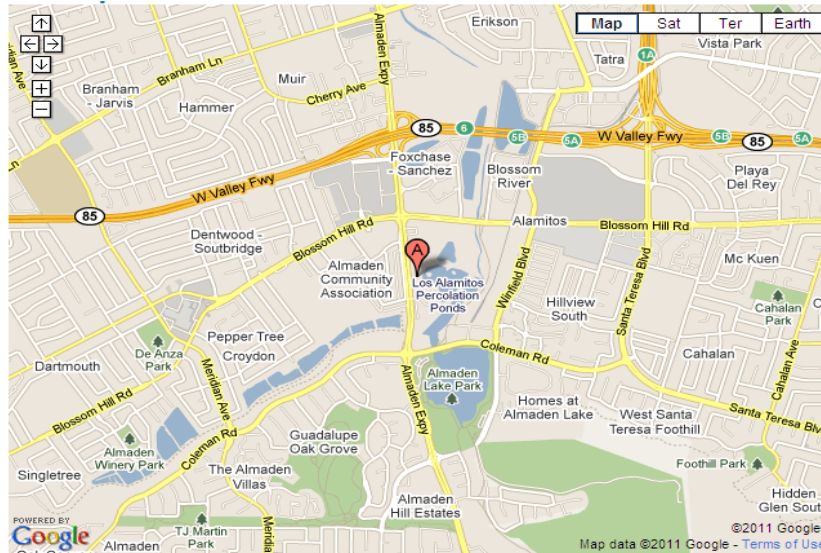
The meeting start time for the regular meeting of the Santa Clara Valley Water District (SCVWD) Water Storage Exploratory Committee scheduled to occur on **Wednesday, January 15, 2020, has been changed from 2:30 p.m. to 3:00 p.m.** The meeting location remains the same: Santa Clara Valley Water District Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose, California. Refreshments will be served.

Enclosed are the meeting agenda and corresponding materials. Please bring this packet with you to the meeting.

Enclosures



**Santa Clara Valley Water District - Headquarters Building,
5700 Almaden Expressway, San Jose, CA 95118**



From Oakland:

- Take 880 South to 85 South
- Take 85 South to Almaden Expressway exit
- Turn left on Almaden Plaza Way
- Turn right (south) on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Morgan Hill/Gilroy:

- Take 101 North to 85 North
- Take 85 North to Almaden Expressway exit
- Turn left on Almaden Expressway
- Cross Blossom Hill Road
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Sunnyvale:

- Take Highway 87 South to 85 North
- Take Highway 85 North to Almaden Expressway exit
- Turn left on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From San Francisco:

- Take 280 South to Highway 85 South
- Take Highway 85 South to Almaden Expressway exit
- Turn left on Almaden Plaza Way
- Turn right (south) on Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Downtown San Jose:

- Take Highway 87 - Guadalupe Expressway South
- Exit on Santa Teresa Blvd.
- Turn right on Blossom Hill Road
- Turn left at Almaden Expressway
- At Via Monte (first traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance

From Walnut Creek, Concord and East Bay areas:

- Take 680 South to 280 North
- Exit Highway 87-Guadalupe Expressway South
- Exit on Santa Teresa Blvd.
- Turn right on Blossom Hill Road
- Turn left at Almaden Expressway
- At Via Monte (third traffic light), make a U-turn
- Proceed north on Almaden Expressway approximately 1,000 feet
- Turn right (east) into the campus entrance



Santa Clara Valley Water District Water Storage Exploratory Committee Meeting

HQ Boardroom
5700 Almaden Expressway
San Jose CA 95118

REGULAR MEETING ***AMENDED AGENDA**

Wednesday, January 15, 2020
***3:00 PM**

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

WATER STORAGE EXPLORATORY
COMMITTEE

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

All public records relating to an item on this agenda, which are not exempt from disclosure pursuant to the California Public Records Act, that are distributed to a majority of the legislative body will be available for public inspection at the Office of the Clerk of the Board at the Santa Clara Valley Water District Headquarters Building, 5700 Almaden Expressway, San Jose, CA 95118, at the same time that the public records are distributed or made available to the legislative body. Santa Clara Valley Water District will make reasonable efforts to accommodate persons with disabilities wishing to attend the committee meeting. Please advise the Clerk of the Board Office of any special needs by calling (408) 265-2600.

JERRY DE LA PIEDRA
Committee Liaison

GLENNA BRAMBILL
Management Analyst II
Office/Clerk of the Board
(408) 630-2408
gbrambill@valleywater.org
www.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

***AMENDED AGENDA**

Wednesday, January 15, 2020

*3:00 PM

HQ Boardroom 5700 Almaden Expressway San
Jose CA 95118

1. CALL TO ORDER:

1.1. Roll Call.

2. CLOSED SESSION:

CONFERENCE WITH LEGAL COUNSEL - EXISTING LITIGATION

Govt. Code Sec. 54956.9(d)(1)

SCVWD v. Jin, et al., Santa Clara County Superior Court, No. 19CV352227

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

Notice to the public: This item is reserved for persons desiring to address the Committee on any matter not on this agenda. Members of the public who wish to address the Committee on any item not listed on the agenda should complete a Speaker Form and present it to the Committee Clerk. The Committee Chair will call individuals in turn. 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.

4. APPROVAL OF MINUTES:

4.1. Approval of Minutes.

[20-0011](#)

Recommendation: Approve the December 11, 2019, Meeting Minutes.

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: 121119 DRAFT Mins](#)

Est. Staff Time: 5 Minutes

5. INFORMATION ITEMS:

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.

1. Update on Los Vaqueros Reservoir Expansion Project (LVE) Transfer Bethany Pipeline (TBP) (Metra Richert) and Update on Management of South Bay Aqueduct (SBA) Facilities (Erin Baker)

Report:

- Valley Water staff attended the Joint Powers Authority (JPA) and Service Agreement (i.e., term sheet) workshop held by Clean Energy Capital (CEC) and Contra Costa Water District (CCWD). Topics discussed included the allocation of fixed and variable costs, Local Agency Partner (LAP) creditworthiness, and other project cost-related topics; as well as the term and post-term of the agreement, off-ramps, and services to be provided.
- Independent reviewers of the project (existing facility) usage fees released a draft evaluation report to the LAPs and facility owners CCWD and East Bay Municipal Utility District (EBMUD). The report provides commentary on the calculation and application of various fee components proposed by CCWD and EBMUD. The final report is expected to be circulated by early 2020.
- Selection of legal counsel to develop the draft JPA formation documents is underway, and expected to be complete in December.
- Staff are evaluating Bay Area Water Supply & Conservation Agency (BAWSCA)/San Francisco Public Utilities Commission request to convey, treat and transfer their LVE Project water through the South Bay Aqueduct (SBA), Valley Water's Water Treatment Plants, and the Milpitas Intertie. Several concept scenarios have been provided to Valley Water staff for analysis, many which differ in timing and reliance on SBA and Valley Water facilities. Staff have requested additional details and

- refined scenarios from SFPUC and BAWSCA.
- Valley Water executive management met with General Managers of other LAPs on December 9, 2019 to discuss proposed use of SBA facilities to convey LVE project water for BAWSCA and SFPUC. The meeting focused on discussion of current SBA infrastructure conditions and assessments, and the potential issues with increased reliance on the SBA given current facility limitations (e.g., reduced operational capacity).
 - a. Valley Water staff is coordinating a meeting between DWR Director Karla Nemeth, the South Bay Aqueduct Contractors (SBC), and other Los Vaqueros Expansion project partners including BAWSCA and SFPUC to discuss the use of the South Bay Aqueduct for the LVE project. Additionally, the SBC are working to hire a consultant to assess available SBA capacity to use as part of the LVE project.

2. Lake Del Valle (Cindy Kao)

Report: There is nothing to report at this time.

3. Del Puerto (Cindy Kao)

Report: There is nothing to report at this time.

4. Water Banking Opportunities including but not limited to Pleasant Valley Water District (Cindy Kao)

Report: See Agenda Item 6.1.

5. Pacheco (Christopher Hakes)

Report: There is nothing to report at this time.

6. Semitropic (Cindy Kao)

Report: Staff will be giving a verbal update at the January 15, 2020, meeting.

7. Sites (Cindy Kao)

Report: Staff will be giving a verbal update at the January 15, 2020, meeting.

- 8. San Luis Reservoir Low Point
(Christopher Hakes)
Report: There is nothing to report at this time.
- 9. B.F. Sisk Dam Raise Project (Cindy Kao)
Report: Staff will be giving a verbal update at the January 15, 2020, meeting.
- 10. Shasta (Cindy Kao)
Report: There is nothing to report at this time.

Manager: Michele King, 408-630-2711
Est. Staff Time: 10 Minutes

6. ACTION ITEMS:

- 6.1. Proposed Groundwater Banking Projects (Comparison Matrix) [20-0013](#)

Recommendation: Receive and discuss information regarding staff development of a comparison matrix used to analyze and compare proposed groundwater banking projects. This is an information-only item and no action is required.

Manager: Jerry De La Piedra, 408-630-2257

Attachments: [Attachment 1: Banking Projects Map](#)
[Attachment 2: Potential Projects Comparison Matrix](#)

Est. Staff Time: 15 Minutes

- 6.2. Review Water Storage Exploratory Committee Work Plan and the Committee's Next Meeting Agenda. [20-0014](#)

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

Manager: Michele King, 408-630-2711

Attachments: [Attachment 1: 2019 WSEC Work Plan update](#)
[Attachment 2: 2020 WSEC Work Plan](#)
[Attachment 3: WSEC Next Meeting's DRAFT Agenda](#)

Est. Staff Time: 5 Minutes

7. CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS.

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

8. ADJOURN:

8.1. Adjourn.



Santa Clara Valley Water District

File No.: 20-0011

Agenda Date: 1/15/2020
Item No.: 4.1.

COMMITTEE AGENDA MEMORANDUM

Water Storage Exploratory Committee

SUBJECT:

Approval of Minutes.

RECOMMENDATION:

Approve the December 11, 2019, 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: 121119 WSEC Draft Mins

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711



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

DRAFT MINUTES

**FRIDAY, DECEMBER 11, 2019
10:00 AM**

(Paragraph numbers coincide with agenda item numbers)

A regular meeting of the Water Storage Exploratory Committee (Committee) was held on December 11, 2019, in the Headquarters Building Boardroom at Valley Water, 5700 Almaden Expressway, San Jose, California.

1. CALL TO ORDER

The Water Storage Exploratory Committee was called to order by Chair Director Gary Kremen at 10:05 a.m.

1.1 ROLL CALL

Board Members in attendance were: Director Gary Kremen-District 7, Director Richard P. Santos-District 3, and Director John L. Varela-District 1.

Staff in attendance were: Bradly Arnold, Aaron Baker, Erin Baker, Glenna Brambill, Jerry De La Piedra, Tim Bramer, Mark DeMartini, Rachael Gibson, Christopher Hakes, Garth Hall, Nina Hawk, Brian Hopper, Cindy Kao, Ryan McCarter, Eli Serrano and Charlene Sun.

San Benito County Water District Staff in attendance were: Jeff Cattaneo and Sara Singleton.

BAWSCA Representatives were: Tom Francis and Steve Jordan.

Infracapital Representatives were: Rock Clapper and Paul Kelley.

Guests in attendance were: Katja Irvin, Doug Muirhead and Rob Steiner.

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, seconded by Director John L. Varela, and unanimously carried to approve the minutes of the October 25, 2019, meeting of the Water Storage Exploratory Committee as presented.

4. INFORMATION ITEMS

4.1 STANDING ITEMS INFORMATION

1. Update on Los Vaqueros Reservoir Expansion Project (Transfer Bethany Pipeline – TBP)/Update on Management of South Bay Aqueduct (SBA) Facilities

Mr. Bradley Arnold reported on Contra Costa Water District (CCWD)'s clean energy workshop-JPA formation of roles and responsibilities, facility operations and management, risk reviews and off ramps, existing facility usage fees, the final independent review and staff review of SFPUC, BAWSCA on SBA capacity. the selection of external counsel to be completed by December. Ms. Erin Baker reported on meetings with DWR and South Bay Contractors to discuss use of the SBA, DWR's asset management and capacity study being conducted and ongoing discussion meetings of the SBA issues. Ms. Nina Hawk reported on concern of water supply, the regional project and is now elevated with BAWSCA, SFPUC and CCWD becoming more involved to support Valley Water. Mr. Garth Hall reported that Alameda County Water District brought in a new-hire agency that made a presentation at the ACWA meeting and Valley Water is awaiting the completed analyses report. Ms. Nina Hawk mentioned Ms. Erin Baker as the new lead for the SBA portion of the project.

2. Water Banking Opportunities including but not limited to Pleasant Valley Water District

Ms. Cindy Kao reported that over the past year staff has been looking at a number of groundwater banking opportunities, some include; Pleasant Valley Water District, San Juan Water District and Antelope Valley/East Kern. Staff will be developing a more rigorous criteria for comparison and also developing a methodology to analyze and determine the best projects.

3. **Update on Conceptual Lake Del Valle Modifications** no update.

4. **Del Puerto**, an invitation was extended to Ms. Anthea Hansen and Mr. Chris White.

The Committee took no action.

5. ACTION ITEMS

5.1 PACHECO RESERVOIR EXPANSION PROJECT

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

The Committee discussed the following: enhancement of steelhead, flooding of Soap Lake, Henry Coe State Park, recreational benefits, impacted species (red-legged frogs, steelhead, tarantulas, eagles/bald eagles), financial/funding issues-Prop 1 and agricultural entities.

Ms. Nina Hawk and Ms. Charlene Sun were available to answer questions.

The Committee took no action.

5.2 SEMITROPIC GROUNDWATER BANK UPDATE

Mr. Bradly Arnold reviewed the materials as outlined in the agenda item.

The Committee took no action.

5.3 WATER STORAGE-P3 (PUBLIC PRIVATE PARTNERSHIP) PROJECT DELIVERY PRESENTATION

Special Guests, Mr. Paul Kelly and Mr. Rock Clapper reviewed the materials as outlined in the agenda item.

The Committee discussed the following: storage banking structures, P3 private money/Cal PERS money-is a mix and environmental benefits.

The Committee took no action.

5.4 LEGISLATIVE GUIDING PRINCIPLES - SOUTH BAY AQUEDUCT OPERATIONAL RELIABILITY AND MAINTENANCE

Ms. Rachael Gibson reviewed the materials as outlined in the agenda item.

The Committee discussed the following; amending the wording for long-term O and M relationships and the principles are broadly written for flexibility to accomplish the Board's ends.

Ms. Nina Hawk was available to answer questions.

The Committee took the following action:

The Committee would like the Chair to review the amended language and advise the Committee.

5.5 REVIEW OF 2018 WATER STORAGE EXPLORATORY COMMITTEE WORK PLAN AND THE COMMITTEE'S NEXT MEETING AGENDA

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

The Committee would like all work plan items on a standing item basis and if there is significant information to report it will be placed on an action item agenda memo. Also, the next meeting's agenda should have a closed session item on Pacheco's potential litigation.

The next meeting is scheduled for Wednesday, January 15, 2020, 2:30 p.m.

6. CLERK REVIEW AND CLARIFICATION OF COMMITTEE ACTIONS

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

7. **ADJOURNMENT**

Chair Director Gary Kremen adjourned the meeting at 11:42 a.m. to the regular meeting on Wednesday, January 15, 2020, at 2:30 pm, in the Santa Clara Valley Water District Headquarters Building Boardroom.

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

Approved:



Santa Clara Valley Water District

File No.: 20-0012

Agenda Date: 1/15/2020

Item No.: 5.1.

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.
 1. Update on Los Vaqueros Reservoir Expansion Project (LVE) Transfer Bethany Pipeline (TBP) (Metra Richert) and Update on Management of South Bay Aqueduct (SBA) Facilities (Erin Baker)

Report:

- Valley Water staff attended the Joint Powers Authority (JPA) and Service Agreement (i.e., term sheet) workshop held by Clean Energy Capital (CEC) and Contra Costa Water District (CCWD). Topics discussed included the allocation of fixed and variable costs, Local Agency Partner (LAP) creditworthiness, and other project cost-related topics; as well as the term and post-term of the agreement, off-ramps, and services to be provided.
- Independent reviewers of the project (existing facility) usage fees released a draft evaluation report to the LAPs and facility owners CCWD and East Bay Municipal Utility District (EBMUD). The report provides commentary on the calculation and application of various fee components proposed by CCWD and EBMUD. The final report is expected to be circulated by early 2020.
- Selection of legal counsel to develop the draft JPA formation documents is underway, and expected to be complete in December.
- Staff are evaluating Bay Area Water Supply & Conservation Agency (BAWSCA)/San Francisco Public Utilities Commission request to convey, treat and transfer their LVE Project water through the South Bay Aqueduct (SBA), Valley Water's Water Treatment Plants, and the Milpitas Intertie. Several concept scenarios have been provided to Valley Water staff for analysis, many which differ in timing

and reliance on SBA and Valley Water facilities. Staff have requested additional details and refined scenarios from SFPUC and BAWSCA.

- Valley Water executive management met with General Managers of other LAPs on December 9, 2019 to discuss proposed use of SBA facilities to convey LVE project water for BAWSCA and SFPUC. The meeting focused on discussion of current SBA infrastructure conditions and assessments, and the potential issues with increased reliance on the SBA given current facility limitations (e.g., reduced operational capacity).
 - a. Valley Water staff is coordinating a meeting between DWR Director Karla Nemeth, the South Bay Aqueduct Contractors (SBC), and other Los Vaqueros Expansion project partners including BAWSCA and SFPUC to discuss the use of the South Bay Aqueduct for the LVE project. Additionally, the SBC are working to hire a consultant to assess available SBA capacity to use as part of the LVE project.

2. Lake Del Valle (Cindy Kao)

Report: There is nothing to report at this time.

3. Del Puerto (Cindy Kao)

Report: There is nothing to report at this time.

4. Water Banking Opportunities including but not limited to Pleasant Valley Water District (Cindy Kao)

Report: See Agenda Item 6.1.

5. Pacheco (Christopher Hakes)

Report: There is nothing to report at this time.

6. Semitropic (Cindy Kao)

Report: Staff will be giving a verbal update at the January 15, 2020, meeting.

7. Sites (Cindy Kao)

Report: Staff will be giving a verbal update at the January 15, 2020, meeting.

8. San Luis Reservoir Low Point (Christopher Hakes)

Report: There is nothing to report at this time.

9. B.F. Sisk Dam Raise Project (Cindy Kao)

Report: Staff will be giving a verbal update at the January 15, 2020, meeting.

10. Shasta (Cindy Kao)

Report: There is nothing to report at this time.

SUMMARY:

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

ATTACHMENTS:

None.

UNCLASSIFIED MANAGER:

Michele King, 408-630-2711



Santa Clara Valley Water District

File No.: 20-0013

Agenda Date: 1/15/2020

Item No.: 6.1.

COMMITTEE AGENDA MEMORANDUM

Water Storage Exploratory Committee

SUBJECT:

Proposed Groundwater Banking Projects (Comparison Matrix)

RECOMMENDATION:

Receive and discuss information regarding staff development of a comparison matrix used to analyze and compare proposed groundwater banking projects. This is an information-only item and no action is required.

SUMMARY:

Santa Clara Valley Water District (Valley Water) staff have been exploring different groundwater banking opportunities as well as surface storage projects to diversify and potentially expand its storage capabilities. This effort is relevant given that projections of climate change impacts indicate that future water supplies will likely come in concentrated and shorter wet periods that will result in large slugs of water that may require additional storage facilities to capture. At the same time, sea level rise will likely increase salinity intrusion into the Delta, which may reduce the availability of SWP and CVP supplies during drier years, increasing Valley Water's reliance on stored supplies.

Groundwater Banking Projects

The current groundwater banking projects under investigation by Valley Water are as follows:

- Antelope Valley-East Kern 'High Desert' Groundwater Bank in Antelope Valley near Mojave;
- North San Joaquin Valley;
- Buena Vista Water Storage District (WSD) Groundwater Bank in Northern Kern County;
- Friant area banking;
- Mojave Water Agency Groundwater Bank in Apple Valley (Mojave Desert);
- Sacramento Regional Water Bank proposed near Roseville and Sacramento;
- Pleasant Valley Water District Groundwater Bank near Coalinga and Avenal.

A map of these projects relative to Valley Water is provided as Attachment 1. The location of the Semitropic Groundwater Bank, which Valley Water has already invested in, is also shown in Attachment 1. Valley Water staff are actively coordinating with banking program representatives to review operational and proposed financial details of each project and are evaluating the compatibility of these projects with other Valley Water water supply and storage projects. These projects differ by physical location, storage and recovery mechanics, local groundwater management under SGMA, and several other factors.

Comparison Matrix

To assist in the comparison of potential groundwater banking projects, staff are developing a 'comparison matrix' table (Attachment 2) used to outline key factors and considerations. The comparison matrix is intended to help guide Valley Water's discussions and review in a consistent format.

Attachment 2 provides a sample comparison matrix filled out for Semitropic. Staff will continue to refine the evaluation criteria and fill in the table as the analysis for other groundwater banking projects progresses.

ATTACHMENTS:

Attachment 1: Banking Projects Map

Attachment 2: Potential Projects Comparison Matrix

UNCLASSIFIED MANAGER:

Jerry De La Piedra, 408-630-2257

Attachment 1: Map of Groundwater Banking Projects



* Service area(s) shown as outline. Groundwater banking locations are smaller, with location shown using star icon.

Potential Matrix for Comparison of Groundwater Banking Projects

	Semitropic Groundwater Bank	Antelope Valley-East Kern (AVEK) 'High Desert' GW Bank	North San Joaquin Valley	Buena Vista WSD Groundwater Bank	Friant Area Bank	Mojave Water Agency Groundwater Bank	Sacramento Regional Water Bank	Pleasant Valley WD Groundwater Bank
<i>Location</i>	Northern Kern County							
<i>Status</i>	Established							
<i>Direction (Convey Pathway)</i>	Indirect/Exchange							
<i>Valley Water Rights and Ownership</i>	Contract (Priority)							
<i>Operations</i>	<i>Max Storage</i>	350,000 AF						
	<i>Put Limit</i>	31,675 AF/yr						
	<i>Storage Water Types</i>	SWP, CVP, Purchased (Future?)						
	<i>Take Limit</i>	31,675 AF/yr Minimum						
	<i>Managing Agencies</i>	KCWA						
	<i>Withdrawal Setup</i>	SWP Supply Exchange						
<i>Losses</i>	<i>Storage</i>	10% Leave-Behind						
	<i>Conveyance</i>	None						
<i>Costs</i>	<i>Put Costs</i>	\$89/AF (CPI-adjust)						
	<i>Take Costs</i>	\$89/AF (CPI-adjust)						
	<i>Capital Investment</i>	None						
	<i>Recurring O&M</i>	Approx. \$2.4 Mil/yr Flat (Covers Put/Take Costs)						
	<i>Other Costs</i>	Variable pumping/energy recovery costs.						
<i>Issues</i>	<i>SGMA Basin Info</i>	Kern County SB 'High Priority'						
	<i>Water Quality</i>	Moderate Quality (TDS/Arsenic)						
<i>Key Risks and Considerations</i>	- SGMA management changes/constraints? - KCWA control of storage and recovery (e.g., 2014 drought).							

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Santa Clara Valley Water District

File No.: 20-0014

Agenda Date: 1/15/2020

Item No.: 6.2.

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 additional 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 2019 completed Work Plan

Attachment 2: WSEC 2020 Work Plan

File No.: 20-0014

Agenda Date: 1/15/2020
Item No.: 6.2.

Attachment 3: WSEC's Next Meeting's Draft Agenda

UNCLASSIFIED MANAGER:
Michele King, 408-630-2711

2019 Work Plan: Water Storage Exploratory Committee

Update: January 2020

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 the District occur and are recommended for committee discussion.

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
1	Pacheco Reservoir Expansion Project Update	2-22-19 5-20-19 8-27-19 12-11-19	Review, discuss, and provide input regarding the status of the Pacheco Reservoir Expansion Project.	<p>Accomplished February 22, 2019: The Committee reviewed, discussed, and provided input regarding the status of the Pacheco Reservoir Expansion Project and took no action.</p> <p>Accomplished May 20, 2019: The Committee reviewed, discussed, and provided input regarding the status of the Pacheco Reservoir Expansion Project and took no action.</p> <p>Accomplished August 27, 2019: The Committee reviewed, discussed, and provided input regarding the status of the Pacheco Reservoir Expansion Project and took no action.</p> <p>Accomplished December 11, 2019: The Committee reviewed, discussed, and provided input regarding the status of the Pacheco Reservoir Expansion Project and took no action.</p>
2	Update on the Los Vaqueros Reservoir	2-22-19	Receive an update on the Los Vaqueros Expansion Project.	<p>Accomplished February 22, 2019: The Committee Receive an update on the</p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1

Page 1 of 6

2019 Work Plan: Water Storage Exploratory Committee

Update: January 2020

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
	Expansion Project (LVE Project)	5-20-19 8-27-19 10-25-19 12-11-19		<p>Los Vaqueros Expansion Project and took no action.</p> <p>Accomplished May 20, 2019: The Committee Receive an update on the Los Vaqueros Expansion Project and took no action.</p> <p>Accomplished August 27, 2019: The Committee Receive an update on the Los Vaqueros Expansion Project and took no action.</p> <p>Accomplished October 25, 2019: The Committee Receive an update on the Los Vaqueros Expansion Project and took no action.</p> <p>Accomplished December 11, 2019: The Committee Receive an update on the Los Vaqueros Expansion Project and took no action.</p>
3	Sites Project Authority 2019 Reservoir Project Agreement for Continued District Participation in the Sites Reservoir Project	2-22-19	<ul style="list-style-type: none"> Receive information on the Sites Project Authority 2019 Reservoir Project Agreement for Continued District Participation in the Sites Reservoir Project. 	<p>Accomplished February 22, 2019: The Committee received information on the Sites Project Authority 2019 Reservoir Project Agreement for continued District participation in the Sites Reservoir Project and took the following action: The Committee approved for Board consideration staff's recommendation with a slight modification with 2 members agreeing to \$960,000 and 1 member agreeing to \$720,000. <i>The Board received the Committee's request at its February 26, 2019, meeting and approved staff recommendations, and authorized a 3.2 percent (\$96 million) participation level.</i></p>

Yellow = Update Since Last Meeting

Blue = Action taken by the Board of Directors

Attachment 1

Page 2 of 6

2019 Work Plan: Water Storage Exploratory Committee

Update: January 2020

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
4	Semitropic and other potential groundwater banking programs	2-22-19	<ul style="list-style-type: none"> Receive information on the Semitropic and other potential groundwater banking programs. 	<p>Accomplished February 22, 2019: The Committee received information on the Semitropic and other potential groundwater banking programs and took no action.</p>
5	Review of 2019 Water Storage Exploratory Committee Work Plan	2-22-19 5-20-19 8-27-19 10-25-19 12-11-19	<ul style="list-style-type: none"> Review the Committee's 2019 Work Plan. 	<p>Accomplished February 22, 2019: The Committee reviewed the Committee's 2019 Work Plan and took no action.</p> <p>Accomplished May 20, 2019: The Committee reviewed the Committee's 2019 Work Plan and took no action, but the Committee confirmed adding a discussion on Sargent Ranch (recreational area) in conjunction with the Pajaro River and its potential nexus to the Pacheco Project to the Committee's work plan.</p> <p>Accomplished August 27, 2019: The Committee reviewed the Committee's 2019 Work Plan and took no action.</p> <p>Accomplished October 25, 2019: The Committee reviewed the Committee's 2019 Work Plan and took no action but wanted to add an Intertie discussion (Milpitas, Mountain View and Palo Alto). The Committee received an update on the Semitropic Groundwater Bank and took no action.</p> <p>Accomplished December 11, 2019: The Committee received an update on the Semitropic Groundwater Bank and took no action.</p>

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Attachment 1

Page 3 of 6

2019 Work Plan: Water Storage Exploratory Committee

Update: January 2020

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
6	Semitropic and out-of-County Groundwater Banking	5-20-19	<ul style="list-style-type: none"> Discuss Semitropic and out-of-County Groundwater Banking 	<p>Accomplished May 20, 2019: The Committee discussed Semitropic and out-of-County Groundwater Banking and took the following action: The Committee approved for Board consideration to have an in-depth discussion with the full Board regarding: storage, risks and benefits of semitropic and groundwater banking along with reviewing the Groundwater Sustainability Plan (GSP) when released.</p>
7	The Water Supply Benefit of Anderson Reservoir	5-20-19	<ul style="list-style-type: none"> Discuss the Water Supply Benefit of Anderson Reservoir 	<p>Accomplished May 20, 2019: The Committee discussed the Water Supply Benefit of Anderson Reservoir and took no action.</p>
8	B.F. Sisk Dam Raise	5-20-19	<ul style="list-style-type: none"> Receive an update on the B. F. Sisk Dam Raise 	<p>Accomplished May 20, 2019: The Committee received an update on the B. F. Sisk Dam Raise and took no action.</p>
9	Pacheco Reservoir Expansion Project - Cost Allocation	8-27-19	<ul style="list-style-type: none"> Review, discuss, and provide input regarding the status of the Pacheco Reservoir Expansion Project Cost Allocation. 	<p>Accomplished August 27, 2019: The Committee reviewed, discussed, and provided input regarding the status of the Pacheco Reservoir Expansion Project Cost Allocation and took the following action: The Committee unanimously approved to have the Board consider the Committee's request to authorize the Chief Executive Officer to negotiate with San Benito County Water District (SBCWD) on partnership terms for participation in the Pacheco Reservoir Expansion Project.</p> <p><i>The Board approved the Committee's request at its October 8, 2019, meeting.</i></p>

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Attachment 1

Page 4 of 6

2019 Work Plan: Water Storage Exploratory Committee

Update: January 2020

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
10	Semitropic Groundwater Bank Update	8-27-19 10-25-19 12-11-19	<ul style="list-style-type: none"> Receive and update regarding Semitropic Groundwater Bank. 	<p>Accomplished August 27, 2019: The Committee received an update on the Semitropic Groundwater Bank and took no action.</p> <p>Accomplished October 25, 2019: The Committee received an update on the Semitropic Groundwater Bank and took no action.</p> <p>Accomplished December 11, 2019: The Committee received an update on the Semitropic Groundwater Bank and took no action.</p>
11	Update on Proposed Lake Del Valle Modifications	8-27-19 10-25-19 12-11-19	<ul style="list-style-type: none"> Receive an update on proposed Lake Del Valle modifications 	<p>Accomplished August 27, 2019: The Committee received an update on proposed Lake Del Valle modifications and took no action.</p> <p>Accomplished October 25, 2019: The Committee received an update on proposed Lake Del Valle modifications and took no action.</p> <p>Accomplished December 11, 2019: The Committee received an update on proposed Lake Del Valle modifications and took no action.</p>
12	Pleasant Valley Water District Groundwater Banking Concept	10-25-19 12-11-19	<ul style="list-style-type: none"> Receive and discuss information regarding a conceptual Pleasant Valley Water District Groundwater Bank. 	<p>Accomplished October 25, 2019: The Committee received an update on conceptual Pleasant Valley Water District Groundwater Bank and took no action.</p> <p>Accomplished December 11, 2019: The Committee received and discussed information regarding Pleasant Valley Water District Groundwater Banking Concept and took no action.</p>

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Attachment 1

Page 5 of 6

2019 Work Plan: Water Storage Exploratory Committee

Update: January 2020

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
13	Update on Management of South Bay Aqueduct Facilities	10-25-19 12-11-19	<ul style="list-style-type: none"> Receive and discuss information regarding status of South Bay Aqueduct facilities management. 	<p>Accomplished October 25, 2019: The Committee received and discussed information regarding status of South Bay Aqueduct facilities management and took no action.</p> <p>Accomplished December 11, 2019: The Committee received and discussed information regarding status of South Bay Aqueduct facilities management and took no action.</p>
14	Legislative Guiding Principles - Adding Expedient Maintenance of South Bay Aqueduct	12-11-19	<ul style="list-style-type: none"> Receive and discuss information regarding Legislative Guiding Principles - Adding Expedient Maintenance of South Bay Aqueduct. 	<p>Accomplished December 11, 2019: The Committee received and discussed information regarding Legislative Guiding Principles- Adding Expedient Maintenance of South Bay Aqueduct and took the following action: The Committee would like the Chair to review the amended wording and advise Committee.</p>
15	Update on the Proposed Sites Reservoir Project	TBD	<ul style="list-style-type: none"> Receive an update on the Proposed Sites Reservoir Project. 	
16	Update on San Luis Reservoir Expansion	TBD	<ul style="list-style-type: none"> Receive an overview of the San Luis Reservoir Expansion. 	
17	Update on San Luis Low Point Improvement Project	TBD	<ul style="list-style-type: none"> Receive an update on the San Luis Low Point Improvement Project 	
18	Update on Shasta Reservoir Expansion	TBD	<ul style="list-style-type: none"> Receive an update on Shasta Reservoir Expansion. 	

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Attachment 1

Page 6 of 6

2020 Work Plan: Water Storage Exploratory Committee

Update: January 2020

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 the District 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. Lake Del Valle 3. Del Puerto 4. Water Banking Opportunities including but not limited to Pleasant Valley Water District 5. Pacheco 6. Semitropic 7. Sites 8. San Luis Reservoir Low Point 9. B.F. Sisk Dam Raise Project 10. Shasta	1-15-20	Receive quarterly reports on standing items. (Information)	
2	Review of 2020 Water Storage Exploratory Committee Work Plan	1-15-20	<ul style="list-style-type: none"> Review the Committee's 2020 Work Plan. 	
3	Update regarding Legislative Guiding Principles - Adding Expedient Maintenance of South Bay Aqueduct	TBD	<ul style="list-style-type: none"> Update regarding Legislative Guiding Principles - Adding Expedient Maintenance of South Bay Aqueduct. 	

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Attachment 1
Page 1 of 2

2020 Work Plan: Water Storage Exploratory Committee

Update: January 2020

ITEM	WORK PLAN ITEM	MEETING	INTENDED OUTCOME(S)	ACCOMPLISHMENT DATE AND OUTCOME
4	The Water Supply Benefit of Anderson Reservoir	TBD	<ul style="list-style-type: none">• Discuss the Water Supply Benefit of Anderson Reservoir.	

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Attachment 1
Page 2 of 2

SCVWD Water Storage Exploratory Committee:

Director Gary Kremen (Committee Chair)

Director Richard P. Santos

Director John L. Varela



AGENDA

WATER STORAGE EXPLORATORY COMMITTEE

TBD

Time Certain:

	1.	<u>Call to Order/Roll Call</u>
	2.	<u>Time Open for Public Comment on Any Item Not on the Agenda</u> <i>Comments should be limited to two minutes. If the Committee wishes to discuss a subject raised by the speaker, it can request placement on a future agenda.</i>
	3.	<u>Approval of Minutes</u> 3.1 Approval of Minutes – January 15, 2020, meeting
	4.	<u>Standing Items Information:</u> 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. 1. Update on Los Vaqueros Reservoir Expansion Project (LVE) Transfer Bethany Pipeline (TBP) and Update on Management of South Bay Aqueduct (SBA) Facilities 2. Lake Del Valle 3. Del Puerto 4. Water Banking Opportunities including but not limited to Pleasant Valley Water District 5. Pacheco 6. Semitropic 7. Sites 8. San Luis Reservoir Low Point 9. B.F. Sisk Dam Raise Project 10. Shasta
	5.	<u>Action Items:</u> 5.1. Update regarding Legislative Guiding Principles - Adding Expedient Maintenance of South Bay Aqueduct (Rachael Gibson) Recommendation: Review the Legislative Guiding Principles language. 5.2 Review of 2020 Water Storage Exploratory Committee Work Plan and the Committee's next meeting agenda (Committee Chair) Recommendation: Review the Committee work plan to guide the Committee's discussions regarding policy alternatives and implications for Board deliberation.

	6.	<u>Clerk Review and Clarification of Committee Actions</u> <i>This is a review of the Committee's Actions (from Item 5).</i>
	7.	<u>Adjourn</u>

Reasonable efforts to accommodate persons with disabilities wishing to attend committee meetings will be made. please advise the Clerk of the Board Office of any special needs by calling (408) 630-2277.

Meetings of this committee will be conducted in compliance with all Brown Act requirements. 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 for public inspection at the same time that the public records are distributed or made available to the legislative body, at the following location:

Santa Clara Valley Water District, Office of the Clerk of the Board
5700 Almaden Expressway, San Jose, CA 95118

WATER STORAGE EXPLORATORY COMMITTEE PURPOSE:

The purpose of the Water Storage Exploratory Committee will receive and discuss information on issues related to water storage options. The Committee representatives may assist their respective Board of Directors on policies and actions related to these matters