June 1, 2023

MEETING NOTICE

WATER STORAGE EXPLORATORY COMMITTEE

Board Members of the Water Storage Exploratory Committee
Director Rebecca Eisenberg
Director Nai Hsueh (Committee Chair)
Director Richard P. Santos (Committee Vice Chair)

Staff Support of the Water Storage Exploratory Committee
Rick L. Callender, Esq., Chief Executive Officer
Melanie Richardson, Assistant Chief Executive Officer
Bhavani Yerrapotu, Acting Assistant Chief Executive Officer
Aaron Baker, Chief Operating Officer, Water Utility
Rachael Gibson, Chief of External Affairs
Darin Taylor, Chief Financial Officer
J. Carlos Orellana, District Counsel
Brian Hopper, Senior Assistant District Counsel
Vincent Gin, Deputy Operating Officer, Water Supply Division
Emmanuel Aryee, Deputy Operating Officer, Water Utility Capital Division
Ryan McCarter, Acting Deputy Operating Officer, Dam Safety & Capital Delivery Division
Gregory Williams, Deputy Operating Officer, Raw Water Division
Marta Lugo, Assistant Officer, Office of the Chief of External Affairs
Kirsten Struve, Assistant Officer, Water Supply Division
Cindy Kao, Imported Water Manager, Imported Water Unit
Julianne O’Brien, Pacheco Project Manager, Pacheco Project Delivery Unit
Metra Richert, Unit Manager, Water Supply Planning & Conservation Unit
Charlene Sun, Treasury and Debt Manager
Andrew Garcia, Senior Water Resources Specialist, Imported Water Unit
Samantha Greene, Senior Water Resources Specialist, Water Supply Planning & Conservation Unit

A regular meeting of the Santa Clara Valley Water District (SCVWD) Water Storage Exploratory Committee is to be held on Friday, June 9, 2023, at 12:00 p.m. at Headquarters Building Boardroom, 5700 Almaden Expressway, San Jose CA 95118. The Public and non-presenting staff may Join Zoom Meeting 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
WATER STORAGE EXPLORATORY COMMITTEE MEETING

Public Join Zoom Meeting
https://valleywater.zoom.us/j/98246045660

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

Dial by your location
+1 669 900 9128 US (San Jose)
Meeting ID: 982 4604 5660
Santa Clara Valley Water District
Water Storage Exploratory Committee Meeting

Headquarters Building Boardroom
5700 Almaden Expressway
San Jose  CA 95118

REGULAR MEETING
AGENDA

Friday, June 9, 2023
12:00 PM

Note: The finalized Board Agenda, exception items and supplemental items will be posted prior to the meeting in accordance with the Brown Act.
Santa Clara Valley Water District
Water Storage Exploratory Committee

REGULAR MEETING
AGENDA

Friday, June 9, 2023
12:00 PM
Headquarters Building Boardroom

***IMPORTANT NOTICES AND PARTICIPATION INSTRUCTIONS***

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

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

In accordance with the requirements of Gov. Code Section 54954.3(a), members of the public wishing to address the Board/Committee 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.

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

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

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

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

Join Zoom Meeting:
https://valleywater.zoom.us/j/98246045660
Meeting ID: 982 4604 5660
Join by Phone:
1 (669) 900-9128, 98246045660#

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. 23-0618

Recommendation: Approve the May 12, 2023, Meeting Minutes.
Manager: Candice Kwok-Smith, 408-630-3193
Attachments: Attachment 1: WSEC-Minutes-05122023
Est. Staff Time: 5 Minutes
4. **REGULAR AGENDA:**

4.1. Consider Recommendation to Approve Los Vaqueros Reservoir Expansion Project Multi-Party Agreement Amendment #5 in the Amount of $1,239,000 for fiscal year 2024 funding.

   **Recommendation:** Recommend the Board authorize the CEO to sign Multi-Party Agreement Amendment #5 for the Los Vaqueros Reservoir Expansion Project for fiscal year 2024 funding in the amount of $1,239,000.

   **Manager:** Vincent Gin, 408-630-2633

   **Attachments:**
   - Attachment 1: MPA Amendment No. 5

   **Est. Staff Time:** 15 Minutes

4.2. Proposed Staff Recommendation to Approve Initial Major Funding of B.F. Sisk Dam Raise and Reservoir Expansion Project Planning Costs of Up to $1,605,015 to Reserve up to 60,000 Acre-Feet of Storage.

   **Recommendation:**
   - A. Receive and Discuss information on the B.F. Sisk Dam Raise and Reservoir Expansion Project (Project), and
   - B. Recommend to Board to authorize funding share of Project costs through San Luis & Delta-Mendota Water Authority B.F. Sisk Dam Raise and Reservoir Expansion Project Activity Agreement of up to $1,605,015 to cover planning costs through September 2023 and reserve up to 60,000 acre-feet of storage capacity.

   **Manager:** Vincent Gin, 408-630-2633

   **Attachments:**
   - Attachment 1: PowerPoint Presentation

   **Est. Staff Time:** 15 Minutes

4.3. 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.

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

   **Attachments:**
   - Attachment 1: WSEC 2023 Work Plan

   **Est. Staff Time:** 5 Minutes

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

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

6. **ADJOURN:**

   6.1. Adjourn to Regular Meeting at 12:00 p.m., on Friday, August 11, 2023.
COMMITTEE AGENDA MEMORANDUM
Water Storage Exploratory Committee

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

SUBJECT:
Approval of Minutes.

RECOMMENDATION:
Approve the May 12, 2023, 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: 0512023 WSEC Draft Minutes

UNCLASSIFIED MANAGER:
Candice Kwok-Smith, 408-630-3193
A regular meeting of the Water Storage Exploratory Committee (Committee) was held on May 12, 2023, at Santa Clara Valley Water District, 5700 Almaden Expressway, San Jose CA 95118.

1. CALL TO ORDER
The Water Storage Exploratory Committee was called to order by Committee Chair Director Nai Hsueh at 12:00 p.m.

1.1 ROLL CALL
Valley Water Board Members in attendance were: Director Nai Hsueh (District 5) and Director Richard P. Santos (District 3), establishing a quorum.

Valley Water Staff in attendance were: Joseph Aranda, Aaron Baker, Glenna Brambill, Rolando Bueno, Gavin Downs, Anthony Fulcher, Andrew Garcia, Vincent Gin, Alexander Gordon, Andy Gschwind, Christopher Hakes, Michael Hagerty, Brian Hopper, Dana Jacobson, Cindy Kao, Candice Kwok-Smith, Emelia Lamas, Kathleen Low, Marta Lugo, Michael Martin, Ryan McCarver, Julianne O'Brien, Carlos Orellana, Steve Peters, Don Rocha, Jamie Silva, Ranithri Slayton, Charlene Sun, Darin Taylor, Gregory Williams, Jing Wu, and Beckie Zisser.

Guests in attendance were: Pablo Arroyave (Chief Operating Officer, San Luis & Delta-Mendota Water Authority-SLDMWA), Alicia Forsythe (Sites Project Authority), Chuck Gardner (Hallmark Group), Chuck Hammerstad (NCCFFI), Katja Irvin (Sierra Club-Loma Prieta Chapter), Danielle McPherson and Nicole Sandkulla (BAWSCA), Bill Tuttle (San Jose Water Company-SJWC).

Public in attendance were: Molly Culton, A. Edwards, Lisa Hood, Arthur M. Keller, Ph. D., Kaho Khong, Hon. Brian Schmidt, and CS.

2. TIME OPEN FOR PUBLIC COMMENT ON ANY ITEM NOT ON AGENDA
There were no public comments received.
3. APPROVAL OF MINUTES

3.1 APPROVAL OF MINUTES
It was moved by Director Richard P. Santos, second by Director Nai Hsueh, and by unanimous vote carried to approve the minutes of the March 29, 2023, special meeting of the Water Storage Exploratory Committee as presented.

Committee Chair Director Nai Hsueh moved to Agenda Item 4.3.

4. REGULAR AGENDA ITEMS

4.3. LOS VAQUEROS RESERVOIR EXPANSION PROJECT UPDATE
Dana Jacobson reviewed the materials as outlined in the agenda item.
Chuck Gardner (Hallmark Group) reviewed the handout materials.

The Water Storage Exploratory Committee discussed the following: management of project clarification, stakeholders (participating agencies, investors, partnerships), acre-feet allocation, costs, possible WIFIA Loans/project funding, and project operation scenarios.

Public Comment:
Katja Irvin (Sierra Club-Loma Prieta Chapter) questioned potential interactions and benefits of the project and review of any alternatives with reference to the San Luis Low Point Improvement Project.
Cindy Kao and Pablo Arroyave (SLDMWA) were available to answer questions.

The Water Storage Exploratory Committee took no action.

Committee Chair Director Nai Hsueh moved to Agenda Item 4.1.

4.1 UPDATE ON THE PACHECO RESERVOIR EXPANSION PROJECT
Julianne O’Brien reviewed the materials as outlined in the agenda item.

The Water Storage Exploratory Committee discussed the following: 2024 cost estimate, Water Supply Master Plan (WSMP) a great tool, completion of EIR/EIS, project schedule, begin promoting project benefits, and unknown factors is a challenge in making key decisions.

Public Comment:
Hon. Brian Schmidt’s comments: with the funds expended to date, this project is likely to fail (and noted Pacheco is not a good project), suggests including all costs for the people to see, Sisk project shows how to plan for future facilities, and Sites Project has environmental insight.

Chris Hakes and Cindy Kao were available to answer questions.

The Water Storage Exploratory Committee took no action.
4.2  UPDATE ON SITES RESERVOIR PROJECT
Cindy Kao reviewed the materials as outlined in the agenda item. Alicia Forsythe (Sites Project Authority) reviewed the handout materials.

Public Comment:
Molly Culton (Sierra Club) concerned with flooding.

The Water Storage Exploratory Committee took no action.

Committee Chair Director Nai Hsueh moved to Agenda Item 4.4.

4.4  UPDATE ON ANTELOPE VALLEY-EAST KERN WATER AGENCY HIGH DESERT
Andrew Garcia reviewed the materials as outlined in the agenda item.

The Water Storage Exploratory Committee discussed the following: pilot project, and Phase 1 with Metropolitan Water District (MWD).

The Water Storage Exploratory Committee took no action.

Cindy Kao was available to answer questions.

4.5  STANDING ITEMS
Committee Chair Director Nai Hsueh reviewed the materials as outlined in the agenda item. This item will now be removed as the projects have been incorporated in the new work plan.

The Water Storage Exploratory Committee took no action.

4.6  REVIEW WATER STORAGE EXPLORATORY COMMITTEE WORK PLAN AND THE COMMITTEE’S NEXT MEETING AGENDA
Committee Chair Director Nai Hsueh reviewed the materials as outlined in the agenda item.

Request was made to have a presentation on Del Valle (August meeting) to receive any updated information on the project.

June Agenda Items: LVE Multi-party Agreement, Sisk shared cost funding update, and updates on Semitropic projects.

The next meeting will be June 9, 2023, 12:00 p.m. and the Committee Chair will review the calendar to check on the meeting schedule moving forward.

The Water Storage Exploratory Committee took no action.
6. **CLERK REVIEW AND CLARIFICATION OF COMMITTEE REQUESTS**
Glenna Brambill noted there were no requests for Board consideration.

7. **ADJOURNMENT**
Committee Chair Director Nai Hsueh adjourned the meeting at 1:57 p.m.

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

Approved:
SUBJECT: Consider Recommendation to Approve Los Vaqueros Reservoir Expansion Project Multi-Party Agreement Amendment #5 in the Amount of $1,239,000 for fiscal year 2024 funding.

RECOMMENDATION: Recommend the Board authorize the CEO to sign Multi-Party Agreement Amendment #5 for the Los Vaqueros Reservoir Expansion Project for fiscal year 2024 funding in the amount of $1,239,000.

SUMMARY: The Santa Clara Valley Water District (Valley Water) continues to evaluate participating in the Los Vaqueros Reservoir Expansion Project (LVE Project) led by the LVE Project Joint Powers Authority (JPA). At the August 23, 2022 Valley Water Board meeting, the Board directed staff to pursue up to 50,000 acre-feet of storage and adequate conveyance to deliver stored water in dry years. The primary benefit of the LVE Project for Valley Water is to diversify our storage portfolio to increase flexibility during wet and drought years. The JPA has proposed amendment #5 to the 2019 Multi-party Agreement (MPA) to fund project activities through fiscal year (FY) 2024 (July 1, 2023 - June 30, 2024). The cost per partner is $1,239,000. This memo summarizes the project status, including an update on the current timelines for the LVE Project, to support the Water Storage Exploratory Committee in making a recommendation to the full Board of Directors regarding the MPA Amendment #5.

JPA Administration: Valley Water is one of eight members that make up the JPA, which is responsible for planning, constructing, coordinating partner use of facilities, ensuring adequate funding, and delivering project water. The JPA Board has been meeting since November 2021 and is working to take over administration of the LVE Project from Contra Costa Water District (CCWD). Director Eisenberg was appointed to represent Valley Water on the JPA Board with Director Santos as the alternate. The JPA now has an Executive Director, legal counsel, Clerk of the Board, and recently brought on The Hallmark Group to provide program management services. The JPA is expected to award a contract for Accounting Services in June and establish bank services in the coming months to take over
financial management of the LVE Project.

**Project Cost Sharing Agreement**

Since project planning started in 2016, project funding has been provided by state and federal funding and cost share agreements funded equally by all project partners. Starting in 2019, cost sharing continued via the MPA, which has been amended four times to extend the cost share value, time period, and scope of work. In addition to in-kind work, Valley Water has approved $3.3 million in cost sharing since 2016 to fund LVE Project planning and design. Proposed Amendment #5 will extend the MPA through FY2024 when the Service Agreement is expected to be approved. The cost of MPA Amendment #5 is $1,239,000 for each of the JPA members (Attachment 1) split into two equal payments due in September 2023 and January 2024. The FY24 budget has adequate funds for the cost share.

**Agreement Development**

Several agreements will need to be negotiated and finalized between the JPA and CCWD, the East Bay Municipal Utilities District (EBMUD), and state and federal agencies prior to the completion of a Service Agreement that will define each agency’s share in storage and conveyance and establish associated cost allocations for construction and operations. The JPA Board and each of the member agencies will need to approve the Service Agreement to meet the requirements for final Water Storage Investment Program (WSIP) funding and to start construction of the LVE Project. The target to complete the Service Agreement (and all other related agreements) is the spring of 2024. This schedule is an updated timeline as reflected in the FY24 JPA budget.

Other key agreements the JPA Board will need to approve include:

1. **Facilities Usage Agreements** - the JPA will enter into agreements with CCWD and EBMUD for the use of their facilities. CCWD owns and operates the facilities to divert water from the Delta and convey it to Los Vaqueros Reservoir. EBMUD will allow use of their Freeport intake near Sacramento and has an intertie with CCWD. Partners submitted a counterproposal on the fees proposed by CCWD; however, CCWD recently rejected most of the counterproposal. Partner concerns include factoring in the full capacity of CCWD facilities which is more than partners can use; CCWD retaining priority use of the system; and lack of any property rights for LVE Project partners while expecting the partners to contribute to land costs. The JPA Board formed an ad-hoc committee at their May meeting to address the concerns.

2. **Design & Construction Agreement** - will define the roles and responsibilities between the JPA and CCWD during construction. CCWD will be the lead for constructing the new and expanded facilities. To increase JPA involvement and oversight in agreement development, the JPA Board formed an ad-hoc committee to respond to a proposal from CCWD.

3. **Contracts for Administration of Public Benefits** - this state contract, and comparable federal contracts, specifies public benefits required for state and federal funding of the LVE Project. Public funding is expected to be received through WSIP, the Water Infrastructure Improvements for the Nation Act (WIIN Act), and the Bipartisan Infrastructure Law.
Off Ramps
The Service Agreement is scheduled to be brought to Valley Water's Board for consideration in spring 2024. The Valley Water Board can still decide against participation in the LVE Project until the Board approves the Service Agreement and withdraw Valley Water from the JPA without incurring further obligations. Once the Service Agreement is approved and the Final Funding Agreement is awarded by the California Water Commission (CWC), withdrawal from the LVE Project must be approved by the JPA Board.

Next Steps
Staff will continue to evaluate participation in the LVE Project and will make a final recommendation through the Water Supply Master Plan process. CCWD continues with negotiations on water rights and environmental permits with state and federal agencies necessary to complete the LVE Project. Staff will continue to provide regular updates to the Water Storage Exploratory Committee on the Service Agreement negotiations and related agreements. The timeline for major LVE Project milestones is:

- Spring 2024: WSEC and Board consideration of Service Agreement
- Summer 2024: Final Funding Agreement with CWC
- Fall 2024: Start of construction on the initial LVE Project elements
- 2024-2025: Construction of Transfer-Bethany Pipeline
- 2027-2029: Construction of dam raise, pumping facilities, and conveyance improvements
- 2030: LVE Project in full operation

ATTACHMENTS:
Attachment 1: MPA Amendment #5

UNCLASSIFIED MANAGER:
Vincent Gin, 408-630-2633
Amendment No. 5 to the
Cost Share Agreement for
Los Vaqueros Reservoir Expansion Project Planning

The Cost Share Agreement for Los Vaqueros Reservoir Expansion Project Planning between Contra Costa Water District (CCWD); Alameda County Flood Control and Water Conservation District, Zone 7 (Zone 7); Alameda County Water District (ACWD); East Bay Municipal Utility District (EBMUD); Grassland Water District (GWD); San Francisco Public Utilities Commission (SFPUC); San Luis & Delta-Mendota Water Authority (SLDMWA); and Santa Clara Valley Water District (Valley Water) (collectively, “JPA Members”) and the Los Vaqueros Reservoir Joint Powers Authority (JPA)¹, dated April 30, 2019, and amended by Amendments Nos. 1, No. 2, No. 3, and No. 4, dated June 22, 2020, December 2, 2020, November 1, 2021, and December 27, 2022, respectively (referred to hereafter as the “Agreement”), shall hereby be amended by this amendment (“Amendment No. 5”). The Agreement, together with Amendment No. 1, No. 2, No. 3, No. 4, and this Amendment No. 5, may be referenced hereafter as the “Agreement as amended.”

RECITALS

WHEREAS, the Los Vaqueros Reservoir Joint Powers Authority and the JPA Members (collectively, “Parties”) entered into the Agreement to provide for the cost-sharing of the funding requirements for the planning of the Los Vaqueros Reservoir Expansion Project (“Project”); and

WHEREAS, pursuant to Sections 5 and 17 of the Agreement, the Parties amended the Agreement on June 22, 2020, December 2, 2020, November 1, 2021, and December 27, 2022, which amendments, among other modifications, collectively extended the term of the Agreement to the earlier of (i) the completion of the work contemplated therein, or (ii) June 30, 2023, unless the term is further modified consistent with Section 17 of the Agreement.

WHEREAS, the Parties wish to again amend the Agreement to: (1) further extend the term of the Agreement as provided for herein; (2) replace the Scope of Work and Budget for the activities funded by Amendment No. 4 with the revised Scope of Work and Budget for activities funded by this Amendment No. 5, attached and incorporated herein as Exhibits A-5 and B-5, respectively; (3) amend the cost and payment terms of the Agreement as provided herein; (4) supersede and functionally replace the Administrative Agreement, dated January 11, 2022, between CCWD and the JPA which provided for CCWD to serve as initial administrator of the JPA per Amendment No. 3; and (5) include an additional purpose in Section 1 of the Agreement and additional roles and responsibilities of certain Parties of Section 2 of the Agreement as provided herein;

NOW, THEREFORE, the Parties agree that the above recitals are incorporated in and made part of the Agreement, and, pursuant to Section 17 of the Agreement, do hereby amend the Agreement as follows:

¹ The JPA was added as a party to the Cost Share Agreement in Amendment No. 4 and was not a party to the original Agreement or Amendment Nos. 1 through 3. The JPA shall be subject to the terms of the Agreement, as previously amended and amended under this Amendment No. 5, as if it were a party to the original Agreement.
1. Section 1 (Purpose)

In addition to the purposes a through t as provided for in the Agreement as amended, the following two purposes shall be included in the Agreement as amended:

u) Complete the transition of JPA administration and financial management from CCWD to the JPA.

v) Fund JPA work pursuant to the Agreement as amended, consistent with the adopted Fiscal Year 2024 JPA budget.

As of the effective date of Amendment No. 5 to the Agreement, Purposes a, b, c, d, f, g, j, l, m, and o as provided for in the Agreement, have been achieved and do not require additional funding.

Work to achieve Purposes e, h, i, k, n, p, q, r, s, t, u, and v will be advanced under the Agreement as amended. Work completed by the Consultant Team, the JPA, and CCWD staff to achieve these purposes will be partially funded by this Amendment No. 5 to the Agreement.

A detailed revised Scope of Work and Budget for activities funded by this Amendment No. 5 are included in Exhibit A-5 and Exhibit B-5, respectively, which are attached hereto and incorporated herein as if fully set forth in this Amendment No. 5 to the Agreement.

2. Section 2 (Roles & Responsibilities)

In addition to the existing roles and responsibilities of the Parties as described in the Agreement, the following additional roles and responsibilities for certain Parties shall be included in the Agreement as amended.

2.1 Contra Costa Water District Responsibilities

As of the effective date of Amendment No. 5, CCWD Responsibilities b, e, g, j, k, s, u, and x, out of CCWD responsibilities a-hh, as provided for in the Agreement, have been achieved and do not require additional funding.

CCWD Responsibility aa shall be amended and replaced in its entirety with the following:

   aa) will inspect the Transfer Pipeline and conduct a hydraulic evaluation of the Contra Costa Canal between Pumping Plant No. 2 and No. 4 as required in support of the design of Pumping Plant No. 1.

CCWD Responsibilities shall be amended to include the following additional responsibilities:

   ii) assist, as needed, the JPA in the preparation of a loan application for submittal to the U.S. Environmental Protection Agency (U.S. EPA) as allowed for under the Water Infrastructure Finance and Innovation Act (WIFIA).

   jj) continue to assist the JPA with negotiating the contracts for administration of public benefits with California Department of Water Resources (DWR) and California
kk) provide presentations and technical information to support JPA Board and committee meetings, as needed.

ll) support the JPA’s preparation for meetings with elected officials, project stakeholders, media, and others and participate in these meetings and events, as requested by the JPA, acting through its Executive Director or his or her designee, to achieve the common Project objectives of CCWD and the JPA. Collaborate and coordinate in a timely manner with the JPA on outreach and messaging, including through the sharing of CCWD materials used in CCWD communications on the Project. CCWD and the JPA will coordinate at the appropriate management level to ensure clear and consistent messaging, particularly with respect to state and federal elected officials.

mm) transition hosting of the JPA website and public communications support to the JPA.

nn) upon request, provide technical support of JPA agreement development with state and federal agencies as appropriate.

oo) compile monthly progress reports, in such format and to include such information as is mutually agreed upon by CCWD and JPA to enable the JPA, acting through its Executive Director or his or her designee, to ensure substantiation of CCWD’s costs, for work performed by CCWD and CCWD’s consultants and submit such reports to the JPA to support the draft and final monthly JPA Treasurer’s Reports and other financial reports prepared by the JPA.

pp) prepare Fiscal Year 2023 year-end financial statements, including final summary of contingency use and carryover funding available for FY24, and submit to the JPA to support Fiscal Year 2023 audit.

qq) provide assistance to the JPA as required to complete full implementation of the Financial Transition Plan, by September 1, 2023.

rr) upon request, assist the JPA with negotiating a final funding agreement with California Water Commission, and a construction funding agreement with Bureau of Reclamation.

2.9 Los Vaqueros Reservoir Joint Powers Authority Responsibilities

JPA Responsibilities a-f as described in Amendment No. 4 to the Agreement shall remain unmodified and the following additional responsibilities shall be included in the Agreement as amended:

g) negotiate and execute the contracts for administration of public benefits with California Department of Water Resources (DWR) and California Department of Fish and Wildlife (CDFW).

h) negotiate and execute a final funding agreement with California Water Commission.
i) negotiate a construction funding agreement with Bureau of Reclamation.

j) negotiate, for and on behalf of all JPA Members, all agreements with and between the EBMUD and CCWD that are required under this Agreement as amended and the JPA Agreement, including, but not limited to, the Service Agreement.

k) coordinate and collaborate with CCWD in the negotiations over items (g) and (j).

l) prepare for and participate in meetings with elected officials, project stakeholders, media, and others as appropriate.

m) collaborate and coordinate in a timely manner with CCWD on outreach and messaging, including the sharing of JPA materials used in JPA communications on the Project. JPA and CCWD will coordinate at the appropriate management level to ensure clear and consistent messaging, particularly with respect to state and federal elected officials.

n) host and maintain the JPA website.

o) develop public information such as Project factsheets, presentation slides, and other materials as required.

p) administer state and federal agreements as required to advance development of the Project.

q) manage the consultant team procured and funded by the JPA.

r) prepare draft and final monthly JPA Treasurer’s Reports.

s) review and provide input on monthly progress reports for work performed by CCWD and CCWD’s consultants.

t) develop policies and procedures for accounting and project controls.

3. Section 3 (Cost & Payment)

Section 3 shall be amended such that the following terms 3(a) through 3(d) inclusive shall supersede and replace Section 3, as amended in Amendment No. 4, in its entirety. The payment is intended to provide sufficient funding for advancing the completion of the additional Scope of Work as provided for in Exhibit A-5 and the Budget provided for in Exhibit B-5. As provided for in Exhibits A-5 and B-5, CCWD’s labor and services represent approximately 75 percent of the total scope of work and budget associated with this Amendment No. 5.

a) Total costs to fund work hereunder are identified in Exhibit B-5. The JPA Members’ collective total share of the cost, for work funded through this Amendment No. 5, shall not exceed $8,673,000 (“Total Cost Share”).

b) Notwithstanding anything to the contrary in the Agreement as amended, the JPA Members, excluding GWD, shall be responsible for providing the Total Cost Share in accordance with Exhibit B-5. In no event shall any Party’s individual share of the Total Cost Share exceed
$1,239,000, excluding GWD. Timing and quantity of payment for each Party shall not vary from what is set forth in Exhibit B-5 unless the Parties voluntarily agree to modifications pursuant to Sections 3(d)(vi) and 17 of the Agreement. The Total Cost Share described herein is exclusive of any joint defense or litigation cost share amounts which may be determined in a subsequent written agreement entered into pursuant to Section 9 of the Agreement. CCWD will cooperate with any reasonable request from the JPA, acting through its Executive Director or his or her designee, for review of cost information that supports amounts to be paid to CCWD under the Agreement, as amended.

c) City and County of San Francisco – Specific Terms

(i) Certification of Funds; Budget and Fiscal Provisions; Termination in the Event of Non-Appropriation. The SFPUC’s payments as a JPA Member under the Agreement as amended are subject to and contingent upon the budget and fiscal provisions of the Charter of the City and County of San Francisco (City). Charges will accrue only after prior written authorization certified by the City’s Controller, and the amount of the SFPUC’s obligation hereunder shall not at any time exceed the amount certified for the purpose and period stated in such advance authorization. The SFPUC’s financial obligations under this Agreement will terminate without penalty, liability, or expense of any kind to City at the end of any fiscal year if funds are not appropriated for the next succeeding fiscal year. If funds are appropriated for a portion of the fiscal year, the SFPUC’s financial obligations under this Agreement will terminate, without penalty, liability or expense of any kind to City at the end of the term for which funds are appropriated. City has no obligation to make appropriations for this Agreement in lieu of appropriations for new or other agreements. City budget decisions are subject to the discretion of the Mayor and the Board of Supervisors. As to the SFPUC only, this Section 3(c)(i) controls against any conflicting provision of the Agreement as amended.

(ii) Guaranteed Maximum Costs. The SFPUC’s payment obligation to the JPA cannot at any time exceed the amount certified by City’s Controller for the purpose and period stated in such certification. Absent an authorized Emergency per the City Charter or applicable Code, no City representative is authorized to offer or promise, nor is the City required to honor, any offered or promised payments to the JPA under this Agreement in excess of the certified maximum amount without the Controller having first certified the additional promised amount and, if necessary, the Parties having modified this Agreement as provided in Section 17 of this Agreement.

(iii) Prohibition on Use of Public Funds for Political Activity. In performing work under this Agreement as amended, the recipient of City funds shall comply with San Francisco Administrative Code Chapter 12G, which prohibits funds appropriated by the City for this Agreement as amended from being expended to participate in, support, or attempt to influence any political campaign for a candidate or for a ballot measure. The recipient of City funds is subject to the enforcement and penalty provisions in Chapter 12G.

d) The JPA Members, excluding GWD, will split the Total Cost Share equally. The JPA will invoice each of the JPA Members for their individual shares of the Total Cost Share detailed in Exhibit B-5.
(i) The JPA will issue two invoices to JPA Members according to the schedule below:

1. September 1, 2023
2. January 5, 2024

(ii) Payment from the JPA Members shall be remitted within sixty (60) days after invoice submittal.

(iii) Funds contributed by the JPA Members shall be committed by the JPA and expended only for work required to further the purposes of the Agreement as amended.

(iv) By electronic transfer, CCWD will, within 10 days of the effective date of this Agreement as amended, transfer $1,425,000 to the JPA to support contracts administered by the JPA.

(v) The JPA will submit two progress payments of $2,913,000 each to CCWD to fund CCWD staff and CCWD managed contracts according to schedule below:

1. November 1, 2023
2. March 9, 2024

(vi) If one or more JPA Members withdraw from the Agreement such that the JPA Members’ individual cost shares change substantially, or the individual cost shares exceed the maximum financial responsibility for each JPA Member (determined herein as $1,239,000), each remaining JPA Member, at its sole discretion consistent with Section 3(b) of this Agreement, shall determine whether to withdraw from the Agreement. The JPA Members who do not choose to withdraw will work together within the JPA to develop an amendment that substantially conforms to this Agreement. If no mutually agreeable amendment can be developed, the remaining JPA Members will terminate this Agreement.

(vii) If a new JPA Member is added, consistent with Section 12 of this Agreement, each subsequent invoice for each JPA Member will be adjusted to reflect the cost share of the new JPA Member and the total number of JPA Members. The adjustments contemplated herein shall reflect any “catch-up” contribution required of the newly added JPA Member in addition to the contributions to be made on a prospective basis. “Catch-up” contributions shall be calculated based on the then total value of the of the JPA Members’ individual monetary shares paid pursuant to the Agreement as amended prior to the date of the new JPA Member’s signing of the Agreement.

(viii) If funds remain after work under this Agreement as amended is completed, each JPA Member will determine whether its pro-rata share of the remaining funds shall be returned or contributed to future work consistent with Section 7 of the Agreement. Each JPA Member shall advise the JPA of its determination within sixty (60) days of receiving notice from the JPA of the completion of the work, or the remaining funds shall automatically be contributed towards future work.

(ix) In-kind services may include labor costs and overhead costs for staff who are providing...
in-kind services for Project activities under this Agreement, including but not limited to data collection, document review, communications, stakeholder outreach, management of third-party consultant contracts, and attending Project meetings. In-kind services will contribute toward the non-State funding match required by the Early Funding Agreement, as it may be amended from time to time. In-kind services, pursuant to Section 2.7(d) of this Agreement, are contributed at the discretion of each JPA Member with no minimum or maximum in-kind contribution limits.

(x) A portion of the funding provided to CCWD includes contingency funding as shown in Exhibit C-5. CCWD and the JPA will notify each other whenever contingency funds are used. CCWD and the JPA will manage their funds, including contingencies, consistent with their respective board policies. Interagency transfers of contingency may be required depending on the needs of CCWD and the JPA.

(xi) CCWD will contribute $294,000 of in-kind services.

4. Section 5 (Term)

Section 5 shall be amended such that the following term shall modify the corresponding term in the Agreement as amended:

The Agreement as amended shall terminate on the earliest occurring of the following events:

(i) completion of the work contemplated herein; or (ii) June 30, 2024, unless the Term is further modified consistent with Section 17 of this Agreement.

Effective date of Amendment No. 5.

Amendment No. 5, including the financial contribution provisions herein, shall be effective as of the date of signature by CCWD and the JPA, but no earlier than July 1, 2023, and that effective date shall apply retroactively to each subsequent party signatory.

Except as amended by this Amendment No. 5, the Agreement as previously amended shall continue in full force and effect. This Amendment is not intended to have any precedential or preemptive effect on any subsequent agreement between CCWD and the JPA. This Amendment No. 5 may be executed in counterparts, each of which shall be deemed an original but all of which taken together shall constitute Amendment No. 5. The parties agree to the use of electronic signatures.

[Signature Page on Next Page]
Ed Stevenson, General Manager
Alameda County Water District

Rachel Murphy, General Manager
Contra Costa Water District

Clifford C. Chan, General Manager
East Bay Municipal Utility District

Ric Ortega, General Manager
Grassland Water District

Taryn Ravazzini, Executive Director
Los Vaqueros Reservoir Joint Powers Authority

Dennis J. Herrera, General Manager
San Francisco Public Utilities Commission

Approved as to Form
Deputy City Attorney, San Francisco

Federico Barajas, Executive Director
San Luis & Delta-Mendota Water Authority

Rick L. Callender, Esq., Chief Executive Officer
Santa Clara Valley Water District

Valerie Pryor, General Manager
Zone 7 Water Agency
Exhibit A-5
Amendment No. 5 Scope of Work

The following tasks describe the work efforts by Contra Costa Water District (CCWD), the JPA, and the JPA Members under the Amendment No. 5 to the Agreement for the purpose of advancing the Phase 2 Los Vaqueros Reservoir Expansion (LVE) Project. CCWD is the lead agency for permitting, water rights, and design of CCWD constructed and operated facilities for the LVE Project as defined in the JPA Agreement. CCWD will be supported by the consultant and legal services team that are under contract to CCWD and managed by CCWD, and the JPA will be supported by consultants under contract to the JPA and managed by the JPA, acting through its Executive Director or his or her designee. References to joint work efforts by Reclamation are described as appropriate but are not intended to imply that Reclamation is a party to the Agreement as amended.

Task 1 Project Management

Task 1.1 Funding Agreement Administration

CCWD will continue to administer the Early Funding Agreement executed by CCWD and the California Water Commission (CWC), including meeting reporting and invoicing requirements of the Early Funding Agreement, coordinating with CWC staff as needed to respond to questions and data requests, and managing cost commitments. The Early Funding Agreement will terminate December 31, 2023.

CCWD will continue to administer the Assistance Agreement executed by CCWD and Reclamation, including meeting reporting and invoicing requirements of the Assistance Agreement, and coordination with Reclamation staff as needed to respond to questions, data requests, or other inquiries. The Assistance Agreement will terminate December 31, 2023.

CCWD will compile and submit to the JPA monthly progress reports concerning work performed by CCWD, including documentation substantiating such work and work performed by CCWD’s consultants. CCWD will provide financial statements and other supporting documentation as requested by the JPA, acting through its Executive Director or his or her designee.

The JPA will be responsible for administering any subsequent state and federal funding agreements.

Deliverables:

- Progress reports and associated backup documentation
- Monthly & Quarterly Progress Reports (for CWC and Reclamation)

2 See Exhibit C-5 for a breakdown of the use of funds budgeted for JPA services, CCWD services, and CCWD labor with respect to the scope of work covered by Amendment No. 5.
Task 1.2 Project Management Activities

This task includes project management activities performed by CCWD, the JPA and its Members, consultants, and other agencies related to, but not limited to, managing staff, invoicing, budgeting, scheduling, procuring consultants and technical services, reviewing submittals, holding meetings and conference calls, and coordinating and reporting project activities that are within the objectives of the Project and of this Agreement.

Deliverables:
- Summary updates on project management activities in Monthly Progress Reports

Task 1.3 Joint Powers Authority Formation

This task has been completed.

Task 1.4 JPA Administration

CCWD has transitioned its responsibilities as the Interim Administrator of the JPA to the JPA Executive Director pursuant to the Agreement as amended. The JPA will continue with necessary actions related to its administration, including conducting Board of Directors’ and committee meetings and procurement of professional and other services as described herein. The JPA was invited to apply for a loan under the U.S. EPA WIFIA Loan program, and the JPA will take all actions necessary to procure that loan, which will include preparation and submittal of an application, and obtaining required credit rating(s), among other necessary tasks.

The JPA will host and maintain the JPA website and will be responsible for development of all public communications related to the Project.

The JPA will work with the JPA Members to develop all agreements that the JPA will enter into including but not limited to Interim Funding Agreement (if required), Service Agreement between the JPA and the JPA Members, state and federal funding agreements, contracts to procure services, contracts for administration of public benefits with CDFW and DWR, design and construction agreements with CCWD and EBMUD, facilities usage agreements with CCWD and EBMUD, operations and maintenance agreements with CCWD and EBMUD.

Deliverables:
- Service Agreement
- Continued funding through Multi-Party Cost Share Agreement amendments
- WIFIA Loan Application
- JPA Website hosting and maintenance
- Public information materials
- Agreements between JPA and State/Federal Agencies
  - Contract for Administration of Public Benefits
  - Construction Funding Agreement with Reclamation
  - Final Funding Agreement with CWC
- Agreements between the JPA and CCWD
  - Facilities Usage Agreement
Task 2 Environmental Planning

Task 2.1 Modeling

CCWD will develop new or modify existing modeling tools to support the JPA in establishing operational priorities and the allocation of facility capacity and anticipated benefits to JPA Members for incorporation into the Service Agreement. Refine the model to track terms and requirements of various water rights and permits. Refine the Los Vaqueros daily operations model to accommodate JPA operations, which may serve as a tracking tool in the future for permit reporting, billing, scheduling deliveries, etc.

Deliverables:
- Revised CalSim Model (ongoing)
- Summaries of modeling results (ongoing)

Task 2.2 Public Outreach

CCWD will provide technical assistance to support the JPA’s outreach activities to educate and inform the media, elected officials, JPA Member ratepayers, communities in the Los Vaqueros area, environmental organizations, and regional and statewide interests about the purpose, objectives, and results of the technical studies. CCWD and the JPA will continue to coordinate at the appropriate management level to ensure clear and consistent messaging, particularly with respect to state and federal elected officials. JPA will, at least monthly, provide to JPA Members information regarding outreach activities planned to occur over the following 4-6 weeks for information and to allow JPA Members to coordinate such activities in advance. JPA, acting through its Executive Director or his or her designee, and CCWD will, on at least a monthly basis, meet to coordinate and collaborate on key messages for planned/upcoming outreach activities.

CCWD will continue to post materials to the CCWD hosted project website at ccwater.com. The JPA will be responsible for posting materials to the JPA website and responsible for responding to inquiries received through the website at losvaquerosjpa.com.

Deliverables:
- Stakeholder and public involvement program (ongoing)
- Documentation of outreach activities (as required)

Task 2.3 Environmental Document and Technical Studies

The U.S. Department of the Interior, Bureau of Reclamation, Region 10 – California-Great Basin (Reclamation) is the lead agency under the National Environmental Policy Act (NEPA) for preparation of the EIS and, in conjunction with CCWD, the lead agency under CEQA. Reclamation and CCWD...
previously prepared a joint Final EIS/EIR in March 2010 and CCWD(346,417),(918,812) completed construction of the first phase of reservoir expansion from 100,000 acre-feet (100 TAF) to 160 TAF in 2012. Reclamation and CCWD previously prepared a joint Supplement to the Final EIS/EIR document to support the second phase of reservoir expansion up to 275 TAF.

The development of the Supplement to the Final EIS/EIR, including the completion of the necessary technical studies in support of this effort culminating with issuance and certification of the Supplement, pursuant to CCWD Resolution 21-006, by CCWD as the lead agency. The studies and data produced adhered to the federal planning and NEPA guidelines, CEQA guidelines, and WSIP guidance. Technical studies were conducted in accordance with the alternatives identified in the Draft Supplement.

If there are project changes proposed, these changes would need to adhere to the CCWD Board Principles and conditions of CCWD Resolutions 03-24, 03-25, and 04-11, as applicable, and may require additional environmental surveys (i.e., aquatic resources, wildlife/botanical, etc.), documentation (i.e., CEQA/NEPA addendum/memo to file/further action by CCWD as lead agency), and permitting efforts (i.e., application/agreement amendments).

All agency meetings and technical workgroup meetings required to support the environmental document and studies are described in Task 1.2 and Task 2.2.

(2.3.1) Post-Draft Supplement Technical Studies and Surveys

This task has been completed.

(2.3.2) Transfer-Bethany Pipeline Alternative Location Evaluation

This task has been completed.

(2.3.3) Final Supplement to the Final EIS/EIR

This task has been completed.

(2.3.4) CEQA Findings and Mitigation Monitoring and Reporting Plan

This task has been completed.

(2.3.5) Record of Decision

It is anticipated that Reclamation will issue a Record of Decision on the Project during the term of this Amendment. CCWD and the JPA will provide appropriate support to Reclamation with any necessary reporting, public meetings, briefings, white papers, and/or presentations.

Deliverables:

□ Record of Decision

Task 2.4 Regulatory Permitting

CCWD is the permit holder and will prepare documentation of environmental regulatory compliance
including the Clean Water Act (CWA) Section 404(b)(1), CWA Section 401, the Federal Endangered Species Act (Section 7), the California Endangered Species Act, Section 1602 of the California Fish and Game Code, the National Historic Preservation Act (NHPA Section 106), and the Fish and Wildlife Coordination Act (FWCA). When possible or beneficial, obtain amendments to existing permits and excess compensation land acquired/managed during the Phase 1 expansion. If not possible to amend existing permits, seek new permits. Coordinate with regulatory agencies to confirm when amendments will be appropriate. In support of this task, several key work efforts (described below) will be completed.

CCWD and its consultant and legal team will conduct reconnaissance-level biological field surveys of any new project areas (if any) to identify the potential for the presence of sensitive biological resources. Conduct a desktop analysis including a database search of the California Natural Diversity Data Base (CNDDB), California Native Plants Society’s Inventory of Rare and Endangered Plants, USFWS species lists, and NMFS species lists in order to determine the potential occurrence of special-status plants, animals, and vegetation communities. Conduct site-specific biotic assessments to identify biological resources that are present or have a high likelihood to occur in the study area, and to assess the likely impacts associated with construction and/or long-term operations of the proposed project on biological resources. The results of the reconnaissance survey and analysis will be used to inform the regulatory permitting documents, and resource agency review.

CCWD and its consultant and legal team will prepare the regulatory permit applications for the proposed project. Attend meetings with regulatory agencies. Where pertinent to the Project’s needs, CCWD will include a JPA representative in such meetings. Develop supporting technical reports, as needed, to support preparation of proposed permit applications. Permit applications and supporting documents to be prepared in support of the project may include: Biological Assessment for Federal Endangered Species Act compliance and Magnuson Stevens Fisheries Conservation and Management Act compliance; Clean Water Act Section 404/Section 10 Individual Permit Application; Clean Water Act Section 401 Clean Water Act Water Quality Certification Application; California Fish and Game Code Section 1602 Streambed Alteration Agreement Application; Section 2081 California Endangered Species Act Incidental Take Permit Application; Fish and Wildlife Coordination Act Report; National Historic Preservation Act Section 106 compliance; and Aquatic Resources Delineation.

**Deliverables:**
- Rare plant surveys and report of results (completed)
- Wetland delineation and mapping, report of results (completed)
- Administrative Draft Supplement to the Final EIS/EIR (completed)
- Final Supplement to the Final EIS/EIR (completed)
- Draft CEQA Findings and MMRP (completed)
- Final CEQA Findings and MMRP (completed)
- Permit applications and supporting technical reports, as applicable (in progress)

**Task 2.5 Water Rights Permitting**

CCWD will coordinate with Reclamation, the Department of Water Resources (DWR), JPA Members, and the State Water Resources Control Board (State Water Board) regarding changes to existing water rights. CCWD and its consultant and legal team will prepare necessary petitions for change for CCWD’s water rights permits and will assist Reclamation, DWR, and JPA Members (as requested) with preparation of additional change petitions, as required and appropriate. CCWD and its consultant and
legal team will file necessary CCWD water rights petitions with the State Water Board, assist State Water Board staff with drafting orders and permit amendments as required, respond to any protests that may be filed and seek resolution of those protests, prepare for and participate in hearings as required.

**CCWD will continue to assist SPFUC to secure a new source of water to store in the Project.**

**Deliverables:**
- Change petitions for CCWD’s Los Vaqueros water right (in progress)
- Change petitions for Reclamation’s water rights (in progress)
- Change petition(s) for DWR’s water rights (in progress)
- Change petition(s) for other water rights, as required

**Task 2.6 Compensatory Mitigation**

CCWD will identify potential mitigation lands as needed for Task 2.4. Determine preliminary appraisal value of potential mitigation lands. Acquire options to acquire mitigation lands with the concurrence of the JPA.

**Deliverables:**
- Identification and preliminary appraisal of potential mitigation sites

**Task 2.7 Final Award Hearing Requirements**

A series of agreements will be needed to meet the final award hearing requirements of the California Water Commission. Progress on a number of these agreements will commence during the term of this amendment. The agreements necessary to proceed to the final award hearing include but are not limited to: operations coordination agreements between CCWD and Reclamation and between CCWD and the Department of Water Resources; contracts for administration of public benefits between the JPA and DWR, and between the JPA and CDFW; an agreement between CCWD and DWR for the tie-in of the Transfer-Bethany Pipeline to the California Aqueduct; a Backstop Water Service Agreement between CCWD and EBMUD (pending EBMUD’s determination to proceed with such an agreement); an agreement between CCWD and the JPA for design and construction of Project facilities; an agreement between EBMUD and the JPA for design and construction of Project facilities.

**Deliverables:**
- Operations coordination agreement(s) between CCWD and Reclamation and between CCWD and DWR (in progress)
- Cost-share agreement with Reclamation for pre-construction activities (completed)
- Agreement between JPA and DWR for the tie-in of the Transfer-Bethany Pipeline to the California Aqueduct (in progress)
- MOU between CCWD and EBMUD for Backstop Water Agreement study (completed)
- Backstop Water Service Agreement between CCWD, EBMUD, and JPA (pending EBMUD’s determination to proceed with such an agreement)
Task 3 Engineering Feasibility

Task 3.1 Financial Evaluation

The JPA will perform a financial evaluation that will assess the costs and merits of the Project. Clean Energy Capital, the LVE Project financial advisor under contract to the JPA, will further develop the Microsoft Excel-based Proforma Financial Model for the Project that incorporates water pricing options and integration with the CalSim model; hold stakeholder meetings and workshops; collect and review stakeholder and local partner comments and inputs to the model; refine model as additional information arises that may affect operations, water pricing, or other financial components of the Project. Clean Energy Capital will work directly with JPA Members, as needed, to support each agency’s understanding and familiarity with the financial evaluation.

Clean Energy Capital will also create a Plan of Finance describing the proposed financing structure and assumptions for financing the Project. The Plan of Finance will take into consideration appropriate debt structures, timing, impact on rates, budgeting, credit ratings, tax laws, availability of grants and other State and Federal funding, JPA Members that may choose to pay upfront in-lieu of participating in JPA financing, and assessment of capital market conditions. Evaluate the funding capabilities of a JPA and associated contractual requirements for partners receiving and paying for services.

Deliverables:
- Updated Proforma Financial Model (ongoing)
- Further support for evaluation of Refined Usage Fees (completed)
- Plan of Finance (in progress)

Task 3.2 Federal Feasibility Report

The Final Federal Feasibility Report was completed in 2020 and was submitted to Congress on August 11, 2020. The Secretary of the Interior and/or Congress may continue to evaluate federal participation in the Project throughout the term of this Amendment. CCWD, with the support of and input from the JPA, acting through its Executive Director or his or her designee, and JPA Members, will continue to be the lead with securing Reclamation approvals for federal permits and operational agreements.

Additional work may be necessary to secure Congressional budget appropriations for construction activities. CCWD and the JPA, acting through its Executive Director or his or her designee, will also provide support to Reclamation on any post-feasibility report requirements as needed. The JPA, in collaboration and coordination with CCWD, will be the lead in negotiating a federal construction funding agreement with Reclamation and other related agreements with Reclamation as necessary.

Deliverables:
- Final Federal Feasibility Study (completed)
- Updated fact sheets for meetings with elected officials (in progress)
- Updated federal funding and budget requests (in progress)
- Post-feasibility report support (in progress)
Task 3.3 Design

(3.3.1) Pumping Plant No. 1 Replacement

Preliminary design technical evaluations were completed by CCWD as part of CCWD’s Canal Replacement Project. Additional design development and evaluations must be completed by CCWD in support of permitting and developing inter-agency agreements, including field work, site facility layouts, and development of electrical design sufficient for coordination with the Western Area Power Administration (WAPA).

**Deliverables:**
- Pumping Plant No. 1 Preliminary Design Report (completed)
- Conceptual Facility Layout Drawings (completed)
- Electrical System Improvements Conceptual Plans (completed)
- Geotechnical Investigation Report (completed)
- 30%, 60%, 90% and Final Plans, Specifications (in progress)
- 30% Construction cost estimates (completed)
- Final Design (in progress)
- Agreement with WAPA

(3.3.2) Los Vaqueros Dam

This task includes work efforts related to design of the Los Vaqueros Dam expansion to gain Division of Safety of Dams (DSOD) authorization to construct. Design-related tasks may include, but are not limited to, reporting, investigations, testing, analysis, and surveys; geotechnical investigations and reporting; stability and deformation analysis; design of earthquake ground motions and parameters, spillway, new high-level outlet, inlet/outlet tunnel modifications and dam instrumentation; constructability review, DSOD meetings and correspondence; and design of site restoration for the core borrow area. This task includes meetings with a Technical Review Board for independent review of the dam consultant’s work in accordance with DSOD guidelines.

**Deliverables:**
- LV Dam Drawings and Specifications 50% (completed)
- LV Dam Drawings and Specifications 90% (completed)
- LV Cost Estimate/Schedule 50% (completed)
- Draft Basis of Design Report (completed)
- Geotechnical Data Report (completed)
- LV Dam Risk Assessment (completed)
- Dam dewatering plan (completed)
- Constructability Review Comments and Response Matrix (completed)
- LV Dam Drawings and Specifications 100%
- LV Cost Estimate/Schedule 100%
(3.3.3) Transfer-Bethany Pipeline

CCWD will continue pipeline alignment evaluations resulting from continued coordination with local resource and transportation agencies. CCWD will work with Contra Costa County Public Works and the Contra Costa Transportation Authority and their ongoing regional transportation planning for the Vasco Road widening and the State Route 239 Connector and will evaluate alignment adjustments as needed. CCWD will work with resource agencies to evaluate implications of alignment modifications and construction methods and associated mitigation and land needs along the alignment south of Vasco Road in support of coordination with the East Contra Costa Habitat Conservation Plan and the County. CCWD will coordinate with the Department of Water Resources to review and define design criteria and to develop designs of the turn-in to the California Aqueduct and will review available geotechnical information and define pipeline corridor within State owned lands. A final pipeline alignment and land acquisition corridor will be defined. CCWD will prepare a geotechnical work plan and initial assessment of land acquisition needs.

Topographic survey will be completed with up-to-date aerial photography. CCWD will work with landowners and secure access rights to conduct field investigations, including geotechnical investigations, cathodic protection surveys and environmental surveys, as needed. Preliminary design of the pipeline and turn-in will be developed, including plan and profile drawings, hydraulic analysis, pipeline material evaluation, surge analysis and preparation of preliminary design construction schedule and cost estimate. A risk assessment will be conducted, and a risk register developed that will be maintained through project implementation. Prepare plats and legal descriptions for temporary and permanent land acquisition, conduct property appraisals, initiate negotiations with landowners, and begin procurement of pipeline rights-of-way.

Deliverables:
- Alignment Adjustment Evaluations Tech Memo (in progress)
- Transfer-Bethany Pipeline Design Criteria Tech Memo
- Transfer-Bethany Pipeline Preliminary Design Report
- Topographic Survey
- Geotechnical Work Plan
- Assessment of Pipeline Land Acquisition Needs (in progress)
- Draft and Final Geotechnical Data Report
- Title and Appraisal Reports

(3.3.4) Operation and Reliability Assessment

This task has been completed.

(3.3.5) Recreation Facilities

This task has been completed.

(3.3.6) Existing Facilities Inspections and Assessments

This task has been completed.
Task 3.4 Capital Project Management Support

CCWD has competitively procured a consultant to provide Capital Project Management Support Services to conduct a range of risk and technical project activities, including risk assessment and participation in the risk management team, schedule control and optimization, deliverable tracking, project controls and quality management, and resource and budget projections. CCWD will work in coordination with the JPA and the JPA’s Program Management consultant to provide updates on ongoing activities led by CCWD for overall LVE Project progress tracking.

Deliverables:

- Risk Management Plan
- Implementation Phase Risk Assessment Report
- Evaluation of the need for alternative water supply during dam construction
The budget for Amendment No. 5 to the Agreement covers three major tasks: project management, environmental planning, and engineering feasibility. The total budget includes projected expenditures for legal and consulting services and CCWD labor. The total cost for the scope of work listed in Exhibit A-5 that is covered under this Amendment No. 5 is $19,073,000, as shown in Table 1 below.

Table 1. Budget of Scope of Work

<table>
<thead>
<tr>
<th></th>
<th>Original MPA Budget</th>
<th>Amendment No. 2</th>
<th>Amendment No. 3</th>
<th>Amendment No. 4</th>
<th>Amendment No. 5</th>
<th>Total</th>
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<td>Project Management</td>
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<td>$2,302,400</td>
<td>$1,460,200</td>
<td>$1,768,000</td>
<td>$5,374,000</td>
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<td>$10,161,300</td>
<td>$13,467,940</td>
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<td>$714,000</td>
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<td>$17,832,667</td>
<td>$20,731,798</td>
<td>$13,250,000</td>
<td>$19,073,000</td>
<td>$82,510,865</td>
</tr>
</tbody>
</table>

* $300,000 was assumed as contingency in Amendment No. 2 but was included in the Project Management Task.

The total cost to complete the scope of work is $19,073,000 and will be paid through a combination of reimbursement from Reclamation, reimbursement from the California Water Commission (CWC), and contributions from the JPA Members. To calculate the amount owed by JPA Members, the total cost is reduced by reimbursements from the CWC and Reclamation and the projected carryover of unspent funds from the Agreement as amended. The costs remaining after accounting for contributions from CWC, Reclamation, and carryover funding is $8,673,000 as shown in Table 2. This is equal to the Total Cost share defined in Section 3(a) of the Agreement as amended and will be split equally among JPA Members, excluding Grassland Water District and the JPA. Two invoices are proposed over the term of the Agreement as amended for JPA Members.

Table 2. Cost to be Paid by JPA Members, excluding GWD

<table>
<thead>
<tr>
<th>Net Costs for term covered by Amendment No. 5 to Multi-party Agreement (July 2023 – June 2024)</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Projected Costs</td>
<td>$19,073,000</td>
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<tr>
<td>less Reclamation reimbursement</td>
<td>-$2,100,000</td>
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<tr>
<td>less projected carryover of unspent funds from Amendment No. 4</td>
<td>-$6,300,000</td>
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<td>less projected CWC reimbursement</td>
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<td>Total Remaining Costs</td>
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3 See again Exhibit C-5 for a breakdown of the use of funds budgeted for JPA services, CCWD services, and CCWD labor for the scope of work covered by Amendment No. 5.
Table 3 shows the invoice schedule and the total costs per agency. For purposes of calculating the amount to be invoiced, the “total number of agencies participating” is equal to the total number of parties signatory to the Amendment No. 5 (including CCWD) but excluding Grassland Water District and the JPA and further excluding any signatory party which has completed its withdrawal from the Agreement prior to the time for payment.

<table>
<thead>
<tr>
<th>Total Cost Per Agency</th>
<th>Invoice #1</th>
<th>Invoice #2</th>
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<tr>
<td>7 Agencies Participate</td>
<td>$1,239,000</td>
<td>$619,500</td>
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Table 4 shows the timing and amount of payment from the JPA to CCWD for CCWD’s labor and services managed by CCWD. The total payment was calculated as the remainder of funding required to fund CCWD’s services and labor after considering state, federal, and carryover funding at CCWD. Two progress payments to CCWD are required after the JPA collects funds from the JPA Members.

<table>
<thead>
<tr>
<th>Total FY24 Payment to CCWD</th>
<th>Payment #1</th>
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<tr>
<td>$5,826,000</td>
<td>2,913,000</td>
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Invoice #1: September 2023
Invoice #2: January 2024
Payment #1: November 1, 2023
Payment #2: March 9, 2024
# Exhibit C-5
## Project Budget Including CCWD/JPA Transfers and Use of Funds

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<th></th>
<th>CCWD</th>
<th>JPA</th>
<th>Total</th>
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<td><strong>A. Sources of Funds</strong></td>
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<td><strong>Total</strong></td>
<td>$10,400,000</td>
<td>$8,673,000</td>
<td>$19,073,000</td>
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</table>

| **B. InterAgency Transfers** |          |          |          |
| CCWD Transfer to JPA (Fund 60 Transfer) | -$1,425,000 | $1,425,000 | $0 |
| JPA Progress Payments to CCWD | $5,826,000 | -$5,826,000 | $0 |
| **Total** | $4,401,000 | -$4,401,000 | $0 |

| **C. Sources of Funds adjusted for InterAgency Transfers** |          |          |          |
| $14,801,000 | $4,272,000 | $19,073,000 |

| **D. Uses of Funds** |          |          |          |
| JPA Services         |          | $3,651,000 | $3,651,000 |
| CCWD Services        | $9,144,000 | $0       | $9,144,000 |
| JPA and CCWD Services Contingency | $1,555,000 | $621,000 | $2,176,000 |
| CCWD Labor           | $4,102,000 | $0       | $4,102,000 |
| **Total**            | $14,801,000 | $4,272,000 | $19,073,000 |
SUBJECT: Proposed Staff Recommendation to Approve Initial Major Funding of B.F. Sisk Dam Raise and Reservoir Expansion Project Planning Costs of Up to $1,605,015 to Reserve up to 60,000 Acre-Feet of Storage.

RECOMMENDATION:
A. Receive and Discuss information on the B.F. Sisk Dam Raise and Reservoir Expansion Project (Project), and
B. Recommend to Board to authorize funding share of Project costs through San Luis & Delta-Mendota Water Authority B.F. Sisk Dam Raise and Reservoir Expansion Project Activity Agreement of up to $1,605,015 to cover planning costs through September 2023 and reserve up to 60,000 acre-feet of storage capacity.

SUMMARY:
Pursuant to the Water Infrastructure Improvements for the Nation (WIIN) Act, the U.S. Bureau of Reclamation (Reclamation) and San Luis & Delta-Mendota Water Authority (SLDMWA) are jointly developing the B.F. Sisk Dam Raise and Reservoir Expansion Project (Project). This Project, which will raise the existing B.F. Sisk Dam by 10 feet and increase the storage capacity of San Luis Reservoir - the largest off-stream reservoir in California - by 130,000 acre-feet (AF). This Project is separate and distinct from the B.F. Sisk Safety of Dams Modification Project, which is being undertaken by Reclamation and the Department of Water Resources (DWR) to address seismic risks of the existing dam, and will not increase storage capacity. However, in order for this expansion Project to move forward at a desirable cost, it will need to be constructed during the period of the seismic retrofit project.

Of this additional 130,000 AF of water storage, Reclamation will use some amount of this (65,000 AF or less) for the Central Valley Project (CVP), and Project participants will use the remaining additional storage (65,000 AF or more) for themselves. Project planning, design and construction costs will be shared proportionately between Reclamation and Project participants.
San Luis Reservoir is a key facility shared by the State Water Project and CVP and is critical to the delivery of Santa Cara Valley Water District’s (Valley Water) imported water supplies. Water stored in San Luis Reservoir can be directly accessed by Valley Water and delivered through Reclamation’s San Felipe Division facilities, which are operated by Valley Water. The Project could provide Valley Water with diversification of its storage portfolio consistent with the Water Supply Master Plan (WSMP) strategy. The Project could also capture additional surplus water supplies that could help offset future reductions in Valley Water’s baseline imported water supplies due to climate change and regulatory criteria.

Valley Water has previously contributed approximately $235,000 for the planning phase of the Project through an activity agreement administered by SLDMWA. These funds cover Valley Water’s share of funding through June 30, 2023. Reclamation has previously committed $80 million in WIIN Act funding to the Project.

**July 2023 Funding Request**

Reclamation estimates that a total of $20 million in additional Project funding will be required from Project participants prior to Reclamation making a final commitment on construction, which is expected by October 2025 - ten million to fund costs through October 2024 and an additional $10 million to costs through October 2025. Reclamation is requesting that Project participants fund, in total, $2.5 million each quarter between July 1, 2023 and October 2025. The first $2.5 million is requested by July 1, 2023, to maintain the existing Project schedule and adequate funding through September 30, 2023. Valley Water’s proposed share of this total amount is up to $1,605,015.

During the next quarter, the Project description will be refined. Another funding request is expected to follow in approximately three months’ time. The timing and size of funding requests beyond July 2023 have not yet been finally decided. In addition to proposed quarterly funding requests of $2.5 million, if negotiations with Reclamation result in meaningful progress, participants may commit to fund a larger amount to cover a longer period of time.

**Staff Recommendation**

To provide sufficient funding to keep the Project on schedule, staff recommends that this Committee recommend to the full Board that Valley Water request up to 60,000 AF of new storage in the Project and approve Project funding of up to $1,605,015 to cover planning costs through September 30, 2023.

**Rationale**

Staff’s initial assessment is that the project has the potential to increase water supply reliability to Valley Water; this initial assessment will be confirmed through project negotiations, and through Valley Water’s water supply planning process. The project will rely on existing conveyance facilities, existing water rights, and existing water supply contracts to supply water to the expanded reservoir. Because the Project involves the expansion of an existing off-stream reservoir, very limited
environmental impact is expected as compared to entirely new storage projects. These factors significantly simplify negotiations and the permitting process, paving an easier path towards construction. However, additional operational agreements will be needed to ensure that Project participants indeed will receive their anticipated benefits.

Valley Water’s water supply planning analysis, as approved by the Board through the WSMP Monitoring and Assessment Program update, indicates that Valley Water may be overly dependent on the Semitropic Groundwater Storage Bank in Kern County to meet its storage needs, and that greater diversification of storage investments may be required to meet level of service goals in the future. The Sisk Dam Raise Project could provide a potential alternative for water storage if our share storage in Semitropic were reduced or other storage projects failed.

The Project also provides the ability to capture large quantities of storm water already available under our water supply contracts; currently, Valley Water is rarely able to take full advantage of these opportunities due to our lack of storage capability for imported water. Additionally, because San Luis Reservoir is located south of the Delta and is already plumbed into the system that delivers water to our county, the withdrawal of water from storage in the expanded reservoir would not require conveyance through the Delta but would instead be delivered directly to our County through the San Felipe Division.

An initial request of up to 60,000 AF of storage in the Project would provide Valley Water with a meaningful amount of storage that could pair well with, other projects such as the Delta Conveyance Project or groundwater banks. Staff will provide a recommendation on the final participation level through the WSMP process currently underway and Valley Water will likely have the opportunity to adjust its participation level through subsequent funding requests.

**Determination of Specific Participation Levels**

Valley Water’s specific share of planning costs will depend on the participation levels requested by the other Project participants. If requests are less than available capacity, additional funding sources may be needed; if requests exceed available capacity, all requests and funding obligations will be reduced proportionately. The resulting participation levels will be identified in the Project Activity Agreement. Changes to the participation percentages can be made without amending the Activity Agreement but are subject to unanimous approval from all participants.

Staff anticipates that Project participants will soon approve an amendment to the Activity Agreement that will provide for a retroactive adjustment of planning costs consistent with each agency’s respective share of storage capacity if the Project moves into construction. Valley Water can withdraw from the Activity Agreement at any time but will not be entitled to receive a refund of any planning funding previously contributed.

**ATTACHMENTS:**
Attachment 1: PowerPoint Presentation
UNCLASSIFIED MANAGER:
Vincent Gin, 408-630-2633
B.F. Sisk Dam Raise and Reservoir Expansion Project

Water Storage Exploratory Committee, June 9, 2023
Project Location

Location: San Luis Reservoir
Merced County

Existing Facility: Integrated Operations
Direct Access
Concurrent Projects

Safety of Dams Project:
• Seismic repairs
• No additional storage
• Already underway

B.F. Sisk Dam Raise Project:
• 130,000 acre-feet (AF) new storage
• Schedule driven by Safety of Dams project
• Total capital cost: $942 million ($2023)
Potential Share of Project Funding and Storage

- **WIIN Act:** Up to 50 percent
- **Project Partners:** 50 percent or more

- Federal Funding – Repaid by Water Agencies
  - 20%
- Federal Funding – No Water Agency Repayment
  - 30%
- Participant Funding
  - 50%
Planning and Design Costs

- Reclamation WIIN Act Committed Funds: $80M

- Participants’ Planning Cost Estimate: $20M
  - VW Share of Planning Costs: $1.7M - $20M
  - VW Funds Committed to Date: $235,000
Planning cost requests:
(Valley Water share TBD)

$2.5M - July 2023
$7.5M - September 2023 - July 2024
$10M - October 2024

Construction funding:
(Valley Water share TBD)

$471 Million - October 2025
Potential Valley Water Benefits

- Storage diversification
- Ability to capture surplus water already available through existing contracts/water rights
- Flexible/reliable South of Delta storage
- Use of existing conveyance facilities
- Limited environmental impacts
Participation Requests

- Participation levels based on requested storage
- Project is currently oversubscribed
- 10 participants: actual participation levels expected to change
Activity Agreement Terms

• Funding provided through SLDMWA activity agreement
  ➢ Change in participation subject to unanimous vote
  ➢ Retroactive adjustment of planning costs anticipated
  ➢ Withdrawal possible at any time – no refund
Recommendation

- Staff recommended participation level: Up to 60,000 AF
  - Up to $1,605,015 funding commitment (64.2% of $2.5M)
  - Secures future flexibility to negotiate
  - Shared project – storage allocation may be less than requested
COMMITTEE AGENDA MEMORANDUM
Water Storage Exploratory Committee

File No.: 23-0621
Agenda Date: 6/9/2023
Item No.: 4.3.

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 agendized 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: 2023 WSEC Work Plan

UNCLASSIFIED MANAGER:
Candice Kwok-Smith, 408-630-3193
## WSEC 2023 WORKPLAN

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