



Request for Participation

New City of Los Banos Museum / Water Agency Office Complex Project

The Los Banos Milliken Museum, with the support of Henry Miller descendants, has partnered with the San Joaquin River Exchange Contractors Water Authority and the San Luis & Delta-Mendota Water Authority with the intent to construct a New Museum / Water Agency Office Complex. The partners have contracted with BAR Architects and Jones & Jones Architects to develop a Preliminary Design.

The Preliminary Design process will be a 4-6 month-long process. The completion of the process will result in the development of: A Final Report which will be used for documenting and summarizing the design process; Schematic Design; Project Costs (construction costs and architect/engineering costs); and potential phasing plans for implementing the proposed project. As part of the development of the Preliminary Design, we want to include input from the City of Los Banos and Merced County representatives, and stakeholders comprised of interested parties such as you.

In order to gain stakeholder input early in the process before the start of design, you are invited to attend an upcoming meeting that will include City of Los Banos and Merced County representatives, museum enthusiasts, merchants, businesses, property owners and other interested parties. Please join us on:

Thursday, June 9th
5 p.m. – 6:30 p.m.
Los Banos Community Center
645 7th Street, Los Banos, CA 93635

If you are interested in participating in this meeting, please let us know by contacting staff at the Exchange Contractors' office at (209) 827-8616. Thank you for your interest.

Sincerely,

A handwritten signature in blue ink that reads "Chris White".

Chris White, Executive Director
San Joaquin River Exchange
Contractors Water Authority
(209) 827-8616

A handwritten signature in blue ink that reads "Daniel Nelson".

Daniel Nelson, Chairman
Milliken Museum Society

A handwritten signature in blue ink that reads "Federico Barajas".

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

209

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SAN LUIS & DELTA-MENDOTA WATER AUTHORITY BOARD OF
DIRECTORS REGULAR TELEPHONIC MEETING
MINUTES FOR May 12, 2022

The Board of Directors of the San Luis & Delta-Mendota Water Authority convened at approximately 9:33 a.m. at 842 6th Street in Los Banos, California, with Chair Cannon Michael presiding.

Directors and Alternate Directors in Attendance

Division 1

David Weisenberger, Director
Bobby Pierce, Director - Vince Lucchesi, Alternate (via phone)
Lea Emmons, Alternate for Rick Gilmore

Division 2

William Bourdeau, Director
Beau Correia, Director

Division 3

Chris White, Director - Jarrett Martin, Alternate
Cannon Michael, Director
Ric Ortega, Director

Division 4

John Varela, Director
Gary Kremen, Director - Richard Santos, Alternate
Jeff Cattaneo, Director
Sara Singleton, Alternate for Joe Tonascia

Division 5

Tom Birmingham, Director

Authority Representatives Present

Federico Barajas, Executive Director
Pablo Arroyave, Chief Operating Officer
Rebecca Akroyd, General Counsel
Scott Petersen, Water Policy Director (via phone)
Darlene Neves, Operational Accounting Supervisor
Bob Martin, Facilities O&M Director
Stewart Davis, IT Officer

Others in Attendance

Frances Mizuno, Mizuno Consulting
Dana Jacobson, Valley Water
Mike Wade, California Farm Water Coalition
John Wiersma, Henry Miller Reclamation District
Tom Boardman, Westlands Water District
Rusty Arias, California Strategies
Mike Deas, Watercourse Engineering, Inc.
Mika Heilmann, Land IQ

1. **Call to Order/Roll Call**

The meeting was called to order by Chair Cannon Michael and roll was called.

2. **Board to Consider Additions or Corrections to the Agenda of Items, as authorized by Government Code Section 54950 et seq.**

No additions or corrections.

3. **Opportunity for Public Comment**

No public comment.

CONSENT ITEMS

4. **Agenda Items 4-7: Board to Consider: a) Draft April 7, 2022 Meeting Minutes b) Acceptance of the Financial & Expenditures Reports, c) Treasurer's Report, d) Staff Reports.**

On a motion of Director Ric Ortega, seconded by Director Gary Kremen, the Board accepted the April 7, 2022 meeting minutes, Financial Expenditures Reports, Treasurer's Report, and Staff Reports. The vote on the motion was as follows:

AYES:	Weisenberger, Pierce, Emmons, Bourdeau, Correia, White, Michael, Ortega, Varela, Kremen, Cattaneo, Singleton, Birmingham
NAYS:	None
ABSTENTIONS:	None

ACTION ITEMS

5. **Agenda Item 8: Board of Directors to Consider Water Resources Committee Recommendation Regarding Award of Contract and Authorizing to Execute Agreement for Professional Services for Project Management Services for the B.F. Sisk Dam Raise and Reservoir Expansion Project.**

Chief Operating Officer Pablo Arroyave reported that proposals were due on March 29, 2022 and the Hallmark Group submitted a proposal for time and materials not to exceed amount of \$1,244,186. Arroyave reported that the proposal allows two years to complete the work, but commits Hallmark to move as quickly as Reclamation progress allows on the tasks within the scope. Arroyave reported that the proposal was deemed to be responsive and technically acceptable by Authority Staff. Arroyave reported that after review of the cost proposal and clarifications from Authority staff, Hallmark's cost proposal was reduced to \$1,085,126. Arroyave reported that rather than allocate costs to all Authority members through the existing Leg/Ops activity, the Board directed Authority staff to prepare an Activity Agreement to allocate such costs to Activity Agreement participants proportionally based on their CVP contract supply amounts. Arroyave reported that to date, nine districts have

decided to participate. Arroyave reported that project implementation is currently anticipated to include three phases. Arroyave reported that the Board-approved Activity Agreement commits participants to Phase 1 of the Project estimated to last 1-2 years for a cost of approximately \$1 million. Arroyave reported that this will provide for a full time project manager, Ops Plan and Reclamation Cost Share Agreement support, Highway 152 Final Design support, and CVP reconsultation support.

On a motion of Director Tom Birmingham, seconded by Alternate Director Lea Emmons, the Board authorized execution of the Agreement for Professional Services for Project Management Services for the B.F. Sisk Dam Raise and Reservoir Expansion Project. The vote on the motion was as follows:

AYES:	Weisenberger, Pierce, Emmons, Bourdeau, Correia, White, Michael, Ortega, Varela, Kremen, Cattaneo, Singleton, Birmingham
NAYS:	None
ABSTENTIONS:	None

6. **Agenda Item 9: Board of Directors to Consider Water Resources Committee Recommendation to Adopt Staff Recommendation for Positions on Legislation.**

- a. **H.R. 5716 (Harder), SAVE Water Resources Act - Water Policy Director Scott Petersen** provided an overview of this item. Petersen provided detailed information in the memo included in the packet. Petersen reported that staff recommends support and amend on H.R. 5716.
- b. **AB 2639: San Francisco Bay/Sacramento-San Joaquin Delta Estuary: Water Quality Control Plan: Water Rights Permits (Quirk) - Water Policy Director Scott Petersen** provided an overview of this item. Petersen provided detailed information in the memo included in the packet. Petersen reported that staff recommends opposition unless amended on AB 2639. In discussion, Board members provided input regarding the nature of proposed amendments.

On a motion of Director Tom Birmingham, seconded by Director Ric Ortega, the Board adopted staff recommendation for positions on legislation. The vote on the motion was as follows:

AYES:	Weisenberger, Pierce, Emmons, Bourdeau, Correia, Chris White, Michael, Ortega, Varela, Kremen, Cattaneo, Singleton, Birmingham
NAYS:	None
NAYS:	None
ABSTENTIONS:	None

REPORT ITEMS

7. **Agenda Item 10: Science Program Update: Report on Completion of Two Studies.**

Water Policy Director Scott Petersen briefly summarized two science efforts under the science program and introduced presenters.

a. Quantifying Water Yield of Yellow Starthistle Control at the Watershed Scale -

Michael Deas presented a PowerPoint presentation titled "Quantifying Water Yield of Yellow Starthistle Control at the Watershed Scale". The presentation focused on: 1) Study Objectives & Goals, 2) Background, and 3) Findings. Throughout the presentation, Deas answered questions from Board members.

b. Evapotranspiration of Fallow Fields in the Sacramento-San Joaquin Delta - Mica

Heilmann presented a PowerPoint presentation titled "Evapotranspiration of Fallow Fields in California Delta." The presentation focused on comparing evapotranspiration rates between fallow and cropped fields during the 2018 water year. The study demonstrated that variation in the evapotranspiration rates at fallow fields was related to 1) weed growth, 2) elevation and related shallow water tables, and 3) localized climate factors. Throughout the presentation, Heilmann answered questions from Board members.

8. Agenda Item 11: Report on State and Federal Affairs.

Water Policy Director Scott Petersen reported that on May 5, the White House announced that Jalonnie White-Newsome will lead its environmental justice efforts at the Council on Environmental Quality.

Petersen reported that on April 20, 2022, the Council on Environmental Quality (CEQ) published the first phase of its revised National Environmental Policy Act (NEPA) regulation. The rule published today amends the 2020 NEPA update developed by the prior administration. Petersen reported that it specifically amends parts 1502, 1507, and 1508 of NEPA (title 40 of the Code of Federal Regulations). Petersen reported that it will take effect on May 20, 2022. Petersen reported that the most significant change made in the new NEPA rule is an amended definition of "effects." Petersen reported that the new definition will require agencies to consider a project's cumulative and indirect environmental impacts.

Petersen reported that the White House Office of Management and Budget (OMB) has issued guidance for EPA and other agencies on how to interpret the new "Buy America" requirements in the BIL, although EPA and other agency guidance is expected soon to provide additional clarity to infrastructure project proponents concerned about inadequate domestic supplies of certain construction materials and other items.

Petersen reported that Reclamation a few weeks ago conducted a call on the BIL and also provided some information on the FY 2023 budget request. Petersen reported that the President's budget request which provides \$1.270 billion to the Water and Related Resources account. Petersen reported that Reclamation and Interior are working through Build America and Buy America OMB Guidance that was

released on April 18. As discussed previously, full guidance must be issued by DOI/BOR no later than May 14, 2022.

Petersen reported that Governor Gavin Newsom laid out his budget priorities in January and is expected to release his May revise. A surplus recently projected to be \$29 billion is now estimated to be as high as \$97.5 billion.

Petersen reported that CARB is developing a medium and heavy-duty zero-emission fleet regulation with the goal of achieving a zero-emission truck and bus California fleet by 2045. Petersen reported that Draft regulations have been issued, which apply to State and local government agencies that own, lease, or operate a vehicle with a manufacturer's gross vehicle weight rating (GVWR) greater than 8,500 pounds

Rusty Arias provided additional details.

9. Agenda Item 12: Executive Director's Report.

a. **DMC Subsidence Correction Project** - Executive Director Federico Barajas reported that the State Funding Agreement with the California Department of Water Resources was executed. Barajas stated that Authority staff is currently working with the U.S. Bureau of Reclamation (USBR) and CDM Smith to develop a schedule resulting in a draft NEPA/CEQA environmental review document and a feasibility report in approximately one year's time. Barajas further indicated that a presentation to the Board of Directors on this subject is currently being planned for June.

b. **SLTP Update** - Executive Director Federico Barajas referred to Frances Mizuno of Mizuno Consulting to provide a status update on the San Luis Transmission Project. Mizuno reported that a detailed memo is included in the packet. Mizuno reported that the market rate continues to increase and the interest rate for Bond financing is up about 5%, Mizuno reported that CITI Bank is updating the Bond financing numbers and once that is complete the information will be shared with the Board.

c. **New City of Los Banos Museum/Water Agency Office Complex Project** -- Executive Director Federico Barajas stated that a cost share agreement letter between the Authority, Exchange Contractors, Henry Miller descendants, and the Milliken Museum is included in the packet. The cost-share agreement provides funding for consultants to develop preliminary design for new City of Los Banos Museum and Water Agency Office Complex Project. The initial phase will take about 6-months to complete. Barajas reported that there will be a meeting on June 9 to request community input on this project.

d. **SLDMWA Finance Director** - Chief Operating Officer Pablo Arroyave reported that the new Director of Finance, Ray Tarka will start Monday, May 16.

e. **SLDMWA Deputy General Counsel** - General Counsel Rebecca Akroyd reported that the new Deputy General Counsel Rebecca Harms will start June 20.

10. **Agenda Item 13: Chief Operating Officer's Report**

Jones Pumping Plant - Chief Operating Officer Pablo Arroyave reported that the rebuild phase of Unit 4 is beginning, and is on track to be completed by October 2022.

O&M Technical Committee - Arroyave reported that the O&M Technical meeting is scheduled on May 23.

Pump Back Project - Arroyave reported that staff is preparing for implementation.

Yuba Transfer Update - Arroyave reported that as a result of the significant precipitation that was received in the Yuba Basin in April, it appears that we may lose much if not all of the CI Yuba transfer water. Arroyave reported that as soon as staff knows how much water will be lost they will inform the Board.

11. **Agenda Item 14: Update on Water Operations and Forecasts**

Westlands Water District's Tom Boardman reported Shasta storage conditions and described Reclamation's plans for summer releases and projected carry over storage. Folsom storage conditions were reported which included a brief explanation how the April storms improved storage and how Reclamation plans to use the additional storage to support summer operations.

Current export rates were stated along with an explanation of the factors limiting pumping at Jones and Banks. Boardman also reported that Reclamation may not request an extension of the Temporary Urgency Change Order.

Boardman concluded his report following a brief explanation of the scheduled Friant releases to the Mendota Pool to meet Exchange Contractor demands.

12. **Agenda Item 15: Committee Reports.**

a. **Water Resources Committee** - No report.

b. **Finance & Administration Committee** - No report.

c. **O&M Committee** - No report.

13. **Agenda Item 16: Outside Agency/Organization Reports.**

a. **State and Federal Contractors Water Agency (SFCWA)**
No report.

b. **Family Farm Alliance (FFA)**
Report included in the packet.

c. **Farm Water Coalition.**

Mike Wade reported that the DMC Subsidence Correction Project information flier is being completed.

d. **Association of California Water Agencies**

Director John Varela spoke provide an overview of the May 2022 ACWA

Conference.

e. **Water Blueprint for the San Joaquin Valley.**

General Counsel Rebecca Akroyd reported that the Blueprint Board held two strategic planning workshops, and reported on the suggested mission and vision statements. Comments are due by this Friday, May 13, 2022.

f. **San Joaquin Valley Water Collaborative Action Program (CAP)**

Chair Cannon Michael reported that the CAP continues to meet, and work through challenges in order to move forward.

14. **Agenda Item 17: Board Member Reports.**

Alternate Sara Singleton announced her retirement from the Authority Board.

Chair Cannon Michael received many compliments on Authority staff at ACWA.

15. **Agenda Items 18-19: Closed Session Report.**

Chair Cannon Michael adjourned the open session to address the items listed on the Closed Session Agenda at approximately 11:25 a.m. Upon return to open session at approximately 11:45 a.m., Chair Cannon Michael stated that no reportable actions were taken.

16. **Agenda Item 20: Reports Pursuant to Government Code Section 54954.2 (a) (3)**

No reports.

17. **Agenda Item 21: Adjournment.**

The meeting was adjourned at approximately 11:47 a.m.

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June 9, 2022

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for May 2022

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 1 unit throughout May. The average rate of pumping for the JPP was 909 cfs through May.

Total pumping at the JPP for May was 55,870 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 2,592 acre-feet, and pumped 27,484 acre-feet in May. No acre-feet were pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and 0 acre-feet was reversed from the California Aqueduct to the DMC for May.

The Federal share in the San Luis Reservoir at the end of May was 338,227 acre-feet as compared to 288,541 acre-feet for May, 2021.

For the month of May, releases from Friant Dam ranged from 1303 to 1600 cfs with 63,100 AF entering the Mendota Pool. Flows past the Mendota Dam for the San Joaquin River Restoration Program (SJRRP) were 0 AF for May.

Canal Operations staff performed open channel and closed-pipe flow measurements, routine patrols, bi-weekly meter readings, water samples, well soundings, meter retrofitting, and meter maintenance during the month. Coordinated flow testing was also conducted at the San Joaquin River Bifurcation Structure.

Control Operations switching/clearance placements performed this month:

- C-22-JP-19 JPP Unit 4 Annual Maintenance / Rewind
- C-22-JP-19B JPP Unit 4 Rewind
- C-22-ON-26 OPP Unit 6 Annual Maintenance
- C-22-DCI-27 DCI Units 3 & 4
- C-21-ON-80A OPP Unit 4 Oil Leak Investigation
- C-22-JP-28A JPP Unit 3 Annual Maintenance
- C-22-JP-30 Switchgear Building 11 PT Bus Cabinet
- C-22-ON-31 OPP Cathodic Protection
- C-22-JP-32 TFO Transformer Maintenance/Upgrade
- C-22-JP-18B JPP Unit 3 & 4 Discharge Tube
- C-22-JP-28B JPP Unit 3 Annunciator Maintenance

217

Civil Maintenance Department

The Civil Maintenance crews worked on the following projects this month:

- Grading of DMC operating roads
- OPP Unit 6 annual maintenance support
- DMC erosion repairs
- Garbage collection on DMC and Wasteways
- Chemical and mechanical weed control on DMC and SLD
- Maintenance and repairs to float lines, signs, fences, guard rails and gates
- Transportation of OPP Unit 4 actuator rod
- Pump Back Project site prep
- Fabricate and install handrails along the DMC
- DMC O&M road pothole repair
- Control Room SCADA office setup support
- Clean drain inlets along the DMC
- Pickup JPP Unit 4 armature from contractor
- HECF training
- DMC flow meter and turnout moss cleaning

Plant Maintenance Department

The Plant Maintenance crews worked on the following projects this month:

Electrical/C&I Staff:

- JPP Unit 4 rewind/relay testing
- TFO facilities maintenance
- JPP Unit 3 annual maintenance
- TFO lighting
- TFO arc flash breaker replacement
- DMC Check 17 antenna repairs
- DMC Check 3 level detector repair
- OPP Unit 6 annual maintenance
- TFO Control Building remodel
- JPP HVAC repairs
- DMC Check 6 level detector repair
- OPP security gate PM
- DMC flow meter recalibration
- OPP Unit 6 annual maintenance & speed head re-assembly
- OPP cathodic protection contractor support
- OPP shop LED lighting upgrade
- DMC Volta Cross Channel equipment inspections
- DMC check building and gate PMs
- MP San Joaquin River Bifurcation emergency repair to antenna and solar panel
- OPP North Gate wiring repairs
- OPP HECF Fict 1-1 training

Mechanical Staff:

- JPP Unit 4 rewind support
- JPP Unit 4 component painting
- JPP Unit 3 annual maintenance
- JPP PM's
- OPP Unit 4 actuator rod
- OPP Unit 4 repairs & re-assembly
- OPP Unit 6 annual maintenance
- OPP Unit 6 alignment meeting
- JPP Unit 3 impeller weld repair
- TFO Warehouse door repair
- JPP cooling water strainer repair
- JPP switchgear interlock mechanism repair
- JPP air wash pump replacement
- JPP Facility painting
- OPP lathe inspection and repairs
- DMC Volta East Well mechanical seal investigation
- DMC Check 14-21 PMs
- DMC Check 18 Gate #2 repairs
- DMC Check 20 Gate #2 seal repair

USBR Support Services

Water Authority crews performed the following work at USBR facilities this month:

- TFF deflector boom inspections and repair planning

Engineering Department

The Engineering staff worked on the following O&M projects this month:

- JPP switchgear buildings relay settings update
- JPP Penstock 2 (Center) inspection
- TFCF secondary channel equipment support
- TFO breaker modifications per 2018 JPP Arc Flash Study
- OPP Unit 3 vane control calibration
- OPP cooling water system rehabilitation
- OPP service water pump rehabilitation
- OPP Unit 1 enclosure tube repair
- OPP Unit 4 distributor leak repair
- OPP Unit 6 electromechanical relay tests
- OPP Unit 6 annual maintenance and enclosure tube assessment
- OPP overhead concrete wall crack monitoring
- TSY UZ11A bushing box replacement and repairs
- TSY UZ11A Basler relay setting updates and tests
- DMC seepage monitoring @ MP 20.15
- Upper DMC 3G to 4G communication upgrades
- Data management of well readings and creation of Warren Act hydrographs
- O&M PM setup and asset management in NetSuite

- DCI U3 & U4 SCADA development for pump additions
- DCI as-built drawing updates
- DCI unit discharge valves wiring and functionality inspection
- Distribution of updated system operation drawings

2022 DMC Pump Back Project

- Developed and managed overall schedule
- Finalized District turnout delivery model
- Researched solutions to meet demands not met by Friant-owned pumps, and analyzed pros and cons
- Secured generators for three pumping plant sites
- Submitted draft NEPA document to Reclamation
- Prepared draft CEQA document
- Began working on emergency justification memo in order to justify purchases as required in the Procurement Policy
- Worked on compiling comprehensive site of plans for 2022 installation
- Inventoried parts onsite
- Purchased conductors

Land Management Activity Summary

The Engineering staff issued three (3) access permits this month:

- Access permit P2304008 was issued to Caltrans allowing bridge maintenance on the existing bridge crossing located on the Volta Wasteway near Milepost 1.70.
- Access permit P2302013 was amended to extend the expiration date for the Del Puerto Water District temporary construction turnout at Milepost 13.68-R on the Delta-Mendota Canal.
- Access permit P2302026 was amended to extend the expiration date for the Del Puerto Water District temporary truck filling station at Milepost 45.78-R.

The Engineering staff were involved with the following land management projects this month:

- Coordination meeting with the City of Tracy on developments around the DMC
- Development of land management requirements for adjacent developments
- Orestimba Creek Recharge Project
- Tracy HOM Project, Tracy CA
- Costco Annexation Project, Tracy, CA
- Tracy Hills Commerce Center, Tracy, CA
- Tracy Hills Phase 5 Development Review
- Schulte Warehouse Annexation, Tracy, CA
- City of Patterson – Roger Road developments & Baldwin Ranch comments
- International Parkway Bridge Replacement, PROLOGIS -Tracy, CA – Prepared 2nd plan review and provided comments. Came to an agreement on proposed access road alignments.

202

Safety Department

The Safety Department worked on the following items this month:

- Provided Job Hazard Analysis support for the crews.
- Conduct Weekly Safety Tailgate talks with maintenance and operations crews.
- Sent out Weekly Safety Tailgate Topics – 5-1 Heat Illness Prevention, 5-2 Snakes in the Workplace, 5-3 Back Safety, 5-4 Caught in Between Struck By, 5-5 Fire Prevention
- Provided Safety Message for May 2022 Monthly Newsletter – 5/2022 Heat Illness Prevention
- Conduct quarterly site safety inspections
- Scaffold inspection after install for Unit 6, OPP
- Provide safety orientation for new hire: Karlene Cranston, Patrick Fagundes, Raymond Tarka, and Thomas Dean
- Conducted Facility Hazardous Energy Control Program certification and recertification training for 46 authorized employees
- Conducted Fire Prevention training at Quarterly Safety meeting

Procurement and Work & Asset Management Department

The Procurement and Work & Asset Management Department (WAM) worked on the following items this month:

- Continued working on final inventory reports for end of FY22. Still working with Affirma and Shepherd to fix underlying issues before finalizing reports
- Continued training new Warehouse Inventory Control Clerk
- Interviews conducted for Buyer position. Candidate selected with start date 5/16/2022
- Training of new Buyer
- Contracts/PO Agreements/LOA's Status Update:
 - F22-OPP-059 - OPP Main Transformer Rehabilitation solicitation RFP released 3/28/22. Pre-Bid Site walk conducted on 4/12/22. Proposals due 6/9/22
 - F22-JPP-071- Board approved single source on 2/10/22. Contract executed 4/14/22. Project ongoing. Waiting for material
 - F22-AB-070 - RFP prepared for Investment Advisory Services. Still pending. Executives/Procurement have been finalizing RFP. Anticipated release date TBD
 - F22-AB-073 RFP for Sisk Dam Raise and Reservoir Expansion Project NOIA sent 4/19/22. Executed-Agreement signed with Hallmark Group
 - F23-TFO-006 Landscape Maintenance released RFQ to multiple vendors for 3 year (+ two 1 year options to renew) agreement. Received one quote/bid. Extremely higher pricing, evaluating prevailing wage requirements with legal for possible re-solicit
 - Vendor agreement issued with Affirma Consulting for time and materials-\$50k
 - F22-JPP-060 Thrust Collar Repairs. Change order for \$12,765.00
 - F19-19-011 Mechanical Maintenance and Technical Support Services master agreement
 - Task Order 04 Issued- \$20,000.00
 - Task Order 05 Issued- \$30,000.00

Ongoing:

- Purchasing in support of the O&M crews, and maintaining/replenishing warehouse stock. Purchasing to support DMC Pump back project currently underway
- Warehouse receiving, stocking, and distribution
- Invoicing/vendor bills/vendor credits processing
- Janitorial cleaning & disinfecting per COVID-19 guidelines
- Contract Management/Administration activities, including bi-weekly contract update meetings with engineering staff
- Developing/implementing purchasing/procurement, asset/inventory and procedures/boilerplate templates
- Bi-weekly WAM staff meetings to discuss updates/issues
- Contract invoice payment reviews, invoice disputes as needed, invoice payments
- Continuous testing for improvements to procedures in NetSuite as well as ongoing issues related to NetSuite constraints
- Development of Blanket Contracts and Blanket Purchase Orders/Agreements
- Reviewing/closing out old/open PO's in NetSuite

Information Technology Department

The Information Technology Department worked on the following items this month:

- NetSuite
 - User and administration
 - Bi-Weekly Implementation Team meetings
 - Assisted with monthly FAC, WRC and BOD meetings with Zoom
 - Desktop support calls
 - Planning server refresh
 - Planning laptop refresh
 - Planning upgrading/replacing copiers
 - Monitor Symantec anti-virus management console
 - Security updates on servers
 - Monitor firewall
 - Update additional AV security settings
 - Pilot Test with Multi Factor Authentication vendor SurePass
 - Follow-up meeting with Active Directory threat defense vendor
 - Initial meeting with Protective DNS vendor
 - 2nd draft of Cyber Security Incidence Response Plan
 - First draft Disaster Recovery Plan
 - First draft Business Continuity Plan
 - Cyber Security purchase requirements list developed.
 - Avaya vendor upgrade of firmware on phone switches "completed"
 - Ordered new phones for SAC office Avaya to drop expense of Ring Central
 - Created Windows 11 system image and deployed on new workstations
 - Deployed 6 new workstations and removed 11 year old units from primary service
 - First Net account activated
 - Deployed laptop and created profile for new Director of Finance
 - Created profile for new Tracy Equipment Mechanic
- 202

- Continued mass hard drive data destruction to DOD standards for e-cycle process
- Received quote from AT&T to perform penetration testing at DM firewall and SCADA routers at check structures
- MDM contract from IBM (MAAS360) renewed and ready for deployment

HR Department

The Human Resources Department worked on the following items this month:

General Administrative Activities:

- Active Recruitments:
 - Mechanical (Plant) Engineer, Tracy (continued recruitment)
 - Hydro Tech II, Tracy (current recruitment)
 - Hydro Electric Electrician, Tracy (skills testing for qualified candidates)
 - C&I Technician, O'Neill (skills testing for qualified candidates)
 - Special Programs Manager, Sacramento (interviews scheduled)
- Closed Recruitments:
 - Equipment Mechanic, Tracy (candidate selected)
- Background checks for PIV cards (continuing)
- New Hire Orientations

Trainings:

- Remain up to date with COVID-19 compliance
 - Corona Virus 101 Training (new hires)
- Cyber Security training (all staff)
- Sexual Harassment Prevention training (all staff)
- Defensive Driving training (all staff)

Government Reporting:

- Merced County Public Health COVID reporting (as needed)
- Alameda County Public Health COVID reporting (as needed)

Ongoing:

- COVID protocols
- FMLA notices/follow ups
- COBRA notices/follow ups
- Worker's Comp follow ups
- Monthly safety points distribution
- Health benefits eligibility/employee assistance
- Maintain OSHA logs for calendar year
- PIV cards (USBR)
- Wellness program

EXTRAORDINARY O&M & CAPITAL PROJECTS

DELTA-MENDOTA CANAL (DMC)

Bridge Abutment Repair at MP 92.73 (FY21)

Status: The abutment repair is on hold until PG&E relocates the pipeline. The 6-inch pipe owned by PG&E that crosses under the bridge, adjacent to the abutment, is the main transmission line for the City of Dos Palos. All parties have agreed that it would be a safety hazard to conduct work with the gas line in place, and PG&E is currently planning to remove the existing pipeline from the bridge and HDD install a new pipeline under the canal. Staff performed a site visit with PG&E with their contractor to discuss the project. PG&E will prepare 90% plans for review in the coming weeks with final plans anticipated to be ready for construction in the late summer to fall timeframe. PG&E, SLDMWA, and Reclamation are meeting monthly to keep the project moving forward.

DMC Subsidence Correction Project

Status: SLDMWA is working closely with Reclamation to complete the tasks identified in the Financial Assistance Agreement that was executed on 9/24/2021 after acquiring Board approval. Phase 1 Geotechnical work was completed last year. CDM Smith was awarded the \$2.4M contract to complete the Feasibility Study, with the Notice to Proceed issued on February 10, 2022. The Feasibility Report is expected to be completed in approximately one year, with certain environmental permitting extending longer if needed. The Final Draft Report is scheduled to be completed 3/6/2023. CDM's consultant has completed the draft CalSim modeling, and they are currently working on economic benefits. Cultural Resource surveys have been completed. The non-structural alternative has been drafted and is under review. SLDMWA is currently working with CDM on consultation letters to Native American tribes for compliance with CEQA. The DEC Review has been scheduled for mid-August and will be led by Reclamation. SLDMWA is working on a cost estimate for non-contract costs that will inform the DEC Review team.

The DWR Funding agreement was executed in April for \$3.3M to partially fund Final Design, which includes the future phases of the Geotechnical Investigation.

The SLDMWA continued to provide support to Reclamation as they manage the construction contract with Unico Services to install the two additional pumps at the DMC/CA Intertie Pumping Plant (DCI). The completion of the project has been delayed due to supply chain issues. Unico demobilized and is currently working to procure a capacitor and 2 combination air valves critical to completion. The project is now estimated to be completed by the Fall.

DMC Turnout Flowmeter Upgrade Program – Phase 2 (FY22)

Status: SLDMWA is in contract with McCrometer for the purchase of 62 Water Specialty flowmeters equipped with telemetry through the SLDMWA single-source procedure. The contract was executed after the January 2022 Board meeting. 29 flowmeters have been delivered and are currently being installed. Final delivery of meters is expected in Fall 2022.

224

EXTRAORDINARY O&M & CAPITAL PROJECTS

DMC Turnout Flowmeter Upgrade Program – Phase 3

Status: Engineering is coordinating with Water Operations for the design data for the flowmeters required with this phase. These measurements will be supplied to McCrometer in order to obtain a final quote and a single-source contract will be pursued. Contract is expected to be executed in Fall 2022.

C.W. "BILL" JONES PUMPING PLANT (JPP)

JPP Excitation Cabinet & Control Panel Refurbishment (FY18)

Status: SLDMWA is currently in contract with Reclamation through a Letter of Agreement. Reclamation will be providing the Technical Specifications, along with an Engineer's Estimate. The 60% design is currently being peer reviewed by USBR Denver Office (TSC).

JPP Wear Ring Purchase (FY22)

Status: No activity this month.

JPP Unit No. 4 Rewind

Status: The project is underway and on schedule. The stator frame has been machined, the stator iron core has been restacked and tested. Installation of the new stator coils to start soon. The rotor poles are currently in Texas at the NEC factory being overhauled

JPP Unit No. 3 Rewind

Status: The initial 40% payment to NEC has been made, and SLDMWA has been reimbursed for the payment. This allows NEC to purchase the materials to manufacture the stator laminations.

TSY Switchgear Building UZ11A Modification and Repairs (Unplanned Project)

Status: A ground fault incident that damaged the main feeder switchgear and bushing box in switchgear building UZ11A occurred in October 2021. SLDMWA electricians have made partial repairs and investigations have been performed by Reclamation's TSC and Powell (Powell is the company that designed and built the switchgear building). Building UZ11A is currently energized via adjacent switchgear building UZ8A. The contract for Powell to provide the repairs and replacement has been executed. TSC reviewed and approved submittals for long lead items. All long lead items have been ordered by Powell. The construction is tentatively scheduled for September 2022.

JPP Concrete Slab by Trashrake Dumpster

Status: No activity this month. Project is currently in the planning and design phase. A Geotechnical investigation will be pursued to characterize the subgrade to ensure an optimum design is implemented for the project. Construction is tentatively scheduled to occur in Spring, 2023.

EXTRAORDINARY O&M & CAPITAL PROJECTS

O'NEILL PUMPING/GENERATING PLANT (OPP)

Main Transformers Rehabilitation/Replacement

Status: A Transformer Condition Assessment was performed by TSC in 2019. The transformers were in such poor condition that it was recommended that the transformers were to be refurbished or replaced. A Value Planning Study was conducted in 2020 and concluded to refurbish/rehabilitate the transformers in short term and plan to replace the transformers in the future. Emergency measures were also performed which included replacing (3) obsolete HV bushings (2019) and hot oil reconditioning of the in-service transformers (2020) to ensure transformers remained eligible for rehabilitating. Quarterly oil monitoring was completed in April and the results were acceptable.

Work completed by TSC and SLDMWA includes: scope of work, specifications, contract documents, formal solicitations, site visit, and responses to questions. The proposals are due on June 9th, with proposal evaluation to be completed on July 1st.

Arc Flash Hazard Analysis, Facility Rating, & Protective Relays Reviews (Electrical Equipment Periodic Reviews) (FY22)

Status: The Facility Rating Review has been received. The personal protective grounds were upgraded per recommendations from the Facility Rating Review. Performed an inspection of the unit busses. A report of the findings will be provided to TSC per recommendation. The Arc Flash Hazard Analysis final report has been received. The Protective Relays Review is still pending a draft review. SLDMWA continues to provide engineering support to TSC.

OPP Pump Bowl Modification & Replacement (Design and USBR Approval)

Status: Project is on hold while scope is being re-evaluated to ensure the continued reliability of the OPP units. A value engineering study is tentatively scheduled early August, with SLDMWA an active participant.

Penstock Cathodic Protection System Replacement (FY22)

Status: Construction of the replacement system was completed this month by Farwest. JDH Corrosion Consultants (JDH) were on site for the well loading inspection and commissioning test. JDH also performed a cathodic protection system survey. The new system is working well and a follow-up survey and training will be scheduled in June.

UPS Battery Charging System Replacement (FY22)

Status: No activity this month. Installation will be timed concurrent with the outage for the transformer rehabilitation at OPP (April/May 2023). Equipment purchase for this job will occur 6 months prior to the Main Transformer Rehabilitation project starting.

256

EXTRAORDINARY O&M & CAPITAL PROJECTS

OPP Station Service Backup Battery System Replacement

Status: No activity this month. Equipment purchase for this job will occur 6 months prior to the Main Transformer Rehabilitation project starting.

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement (FY20)

Status: Raw water quality test results were provided to package plant vendors for quotes. Vendor quotes received will be evaluated for completeness for future selection. Treatment Plant Drainage: SLDMWA Engineers proposed modifications to the drainage design to prevent ponding in and around the WTP building. Final design and review has been completed and is awaiting construction by SLDMWA staff.

MULTIPLE FACILITIES

TFO/LBFO/DCI Arc Flash Hazard Analysis (FY22)

Status: Received the project management plan from TSC in August 2021. SLDMWA reviewed a draft Letter of Agreement (LOA) and feedback with comments was provided to Reclamation's Tracy Office. The final copy of the LOA has been signed and copies sent back to Reclamation. Site work is tentatively scheduled for June/July 2022.

SCADA System Evaluation

Status: New SCADA Engineer on staff is currently doing site discovery and documentation of the existing SCADA System. Research is being conducted on how best to upgrade the system to current standards while keeping a manageable budget. Researching cyber security to ensure new Federal requirements and guidelines are met.

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STAFF MEMORANDUM

TO: Board Members and Alternates

FROM: Scott Petersen, Water Policy Director

DATE: June 9, 2022

RE: Update on Science Program

SUMMARY

The San Luis & Delta-Mendota Water Authority's ("Water Authority") current science commitments for Fiscal Year 23 (March 1, 2022 – February 28, 2023) may be considered in three categories. First, the Water Authority re-budgeted \$282,652 in the current budget to fund five activities and/or studies previously authorized to be funded. Second, the Water Authority began the year with approximately \$2,000 in funds remaining from the State and Federal Contractors Water Agency ("SFCWA") to fund one study initially authorized by SFCWA and transferred to the Water Authority for funding and management, and which has now been completed. Third, the Water Authority has budgeted \$392,500 in the current budget for science studies. More detail regarding the various science commitments is provided below. In total, the Water Authority started the current fiscal year with approximately \$677,152 available to fund science, of which \$284,652 has been obligated.

1. Previous Commitments - \$282,652 in FY 23 Budget

Subject	Description of Work / Objective(s)	FY 23 Budget
Joint Funding of Delta Smelt Structured Decision Making Phase 3	This funding would support management and technical analyses required to conduct Phase 3 for the CSAMP Delta Smelt Structure Decision Making (SDM) project. Technical analyses would include modeling and the application of other analytical tools to evaluate the consequences of proposed management actions for Delta Smelt as well as the evaluation of potential consequences to other resource values including water supply and agriculture. Phase 3 was scheduled to occur from September 2020 to September 2021, but has been delayed.	\$45,400
Joint Funding for CAMT Technical Support	This funding would match State Water Contractor funding obligated for CAMT studies. The Water Authority is currently researching two potential uses	\$105,000

	for this funding – 1. Continuation of Delta Smelt SDM funding for Phase 3, or 2. Execution of a contract for Salmon Structured Decision Making.	
Development of eDNA monitoring tool for detection of Delta Smelt	Goal to develop an accepted eDNA monitoring tool for species detection in tidally mixed aquatic ecosystems in the Delta, and to advance eDNA aquatic monitoring towards a state-of-science that can be applied in the context of scientific, policy, and regulatory decision-making	\$63,000
Delta Smelt Incidental Take Limit Research	Funds support the evaluation of differences in salvage between pre- and post-BiOp conditions and the determination of how much variance in salvage can be explained by each of the predictor variables. Support provided to ICF Jones & Stokes, Inc., through a cost share with SWC.	\$14,252
CAMT Facilitation and Technical Support	Funds support facilitation and assistance with CAMT and CSAMP meetings. Main contracts with Essex Partnership (Bruce DiGennaro) and Hansen Environmental (Chuck Hansen) held by SWC.	\$55,000

2. SFCWA-Funded Studies Being Managed by the Water Authority - \$0 Remaining

Subject	Description of Work / Objective(s)	SFCWA Funds Remaining
Measuring Impact of Control of yellow Starthistle in the Northern Sac. Valley and Superior California on Watershed Runoff and Groundwater Levels	Study of the water benefits of yellow Starthistle (YST) control. If there appears to be replicable water supply benefit from YST removal, will prepare plan of recommended YST removal in California that results in increased runoff and/or improved groundwater levels. Study completed in May, 2022.	\$0

3. New Science - \$392,500 in FY 23 Budget

Subject	Description of Work / Objective(s)	FY 23 Budget
Science Studies/Efforts		\$392,500
Joint Funding for CAMT Technical Support	This funding would match State Water Contractor funding obligated for CAMT studies. The Water Authority and State Water Contractors are currently jointly researching two potential uses for this funding – 1. Continuation of Delta Smelt SDM funding for Phase 3b, or 2. Execution of a contract for Salmon Structured Decision Making.	\$150,000

259

	After deliberation within CAMT/CSAMP, the group has chosen to pursue continued development of the Delta Smelt Structured Decision Making Phase 3b, with the salmon recovery strategy being advanced through in-kind contributions this year.	
CAMT Technical Support	Funds support technical engagement by Hansen Environmental (Chuck Hansen) in CAMT and CSAMP meetings. Contract held by SWC.	\$30,000
Delta Coordination Group Summer Fall Habitat Action Structured Decision Making Facilitation Support	Funds support facilitation and assistance with Delta Coordination Group Structured Decision Making for Delta Coordination Group recommendations to Reclamation and DWR related to Summer Fall Habitat Actions in the Biological Opinions and State Incidental Take Permit. Project jointly funded with State Water Contractors.	\$12,500
SLDMWA Technical, Science and Regulatory Support	<p>Funds will be used for engagement in Science Program, technical or regulatory efforts that arise in FY 2023. Anticipated use includes technical support for the reconsultation on long-term operations of the CVP and SWP, anticipated ESA listing decisions for longfin smelt, yellow-legged frog (and others), and engagement in efforts associated with the Bay-Delta Plan Update.</p> <p>To date, efforts using this funding pool include:</p> <ol style="list-style-type: none"> 1. Technical Review of Knowledge Base Documents for the Reinitiation of Consultation for the Long-Term Operations of the Central Valley Project and State Water Project 	\$200,000

SCIENCE PROGRAM DIRECTION

Authority staff is planning to focus on key areas for the 2023 and future budgets, in order to assist in the development of a more coordinated science strategy between public water agencies and state and federal agencies who fund the scientific enterprise. Specifically, these recommended areas are:

- Technical Support for Authority Engagement in Regulatory Processes
- Delta Smelt Structured Decision Making
- Salmon Structured Decision Making
- CSAMP/CAMT Support
- Delta Coordination Group Support

Technical Support for Authority Engagement in Regulatory Processes

The Authority has need of additional biological expertise to provide comments and a higher level of engagement with regulatory entities, including the State Water Resources Control Board, NOAA Fisheries, the U.S. Fish and Wildlife Service, California Department of Fish and Wildlife and others. Authority staff has executed master service agreements with 9 consultants for scientific and biological support services for on-demand services centered on the areas of expertise of the respective consultant and staffing availability. Specifically, staff anticipates need for additional technical and science expertise related to engagement in the reconsultation of the long-term biological opinions for the operations of the Central Valley Project and State Water Project, the anticipated listing determination for longfin smelt by the US FWS, the anticipated listing determination and rulemaking process for the foothill yellow legged frog, and others.

Delta Smelt Structured Decision Making

Compass Resources, working in conjunction with CAMT's Smelt working group, are advancing Phase 3b of the Delta Smelt Structured Decision Making development project. This aims to increase the transparency of tradeoffs and associated analyses and to inform when agencies are determining actions to protect and restore delta smelt.

CSAMP/CAMT Support

The Authority has remained engaged in CSAMP/CAMT and has jointly funded facilitation support, technical support and scientific studies related to management actions associated with project operations.

Delta Coordination Group Support

Authority staff is a member of the Delta Coordination Group (DCG), a group formed pursuant to Reclamation's Proposed Action and the Incidental Take Permit for the Coordinated Operations of the Central Valley Project and State Water Project. The DCG is charged with providing recommendations to Reclamation/DWR pertaining to Summer-Fall Habitat Actions for delta smelt. Facilitation support for Structured Decision Making related to summer fall habitat actions is currently being provided jointly by the Water Authority and the State Water Contractors.