

X 11.  
SAN LUIS & DELTA-MENDOTA WATER AUTHORITY BOARD OF  
DIRECTORS REGULAR MEETING  
MINUTES FOR NOVEMBER 10, 2022

The Board of Directors of the San Luis & Delta-Mendota Water Authority convened at approximately 9:30 a.m. at 842 6th Street in Los Banos, California, with Vice Chair William Bourdeau presiding.

**Directors and Alternate Directors in Attendance**

**Division 1**

Dave Weisenberger, Director  
Anthea Hansen, Director  
Lea Emmons, Alternate for Rick Gilmore

**Division 2**

Ryan Ferguson, Director  
William Bourdeau, Director  
Ara Azhderian, Alternate for Beau Correia

**Division 3**

Bill Diedrich, Director (via ZOOM)  
Ric Ortega, Director

**Division 4**

John Varela, Director (via ZOOM)  
Gary Kremen, Director (via ZOOM) - Richard Santos, Alternate (via ZOOM)  
Jeff Cattaneo, Director

**Division 5**

Bill Pucheu, Director  
Tom Birmingham, Director  
Manny Amorelli, Director

**Authority Representatives Present**

Federico Barajas, Executive Director  
Pablo Arroyave, Chief Operating Officer  
Rebecca Akroyd, General Counsel  
Rebecca Harms, Deputy General Counsel  
Scott Petersen, Water Policy Director  
Ray Tarka, Director of Finance  
Cathy Bento, Accountant II  
Darlene Neves, Supervisor of Operational Accounting  
Cindy Meyer, Special Programs Manager  
Bob Martin, Facilities O&M Director  
Stewart Davis, IT Officer

**Others in Attendance**

Mitch Partovi, Water Agency  
Brandon Souza, Farm Water Coalition  
Tom Boardman, Westlands Water District

Dana Jacobson, Valley Water  
Don Wright, WaterWrights  
Dennis Cardoza, Foley & Lardner, LLP  
Bill Ball, Foley & Lardner  
Kristin Olsen, Calstrat  
Steve Stadler, San Luis Water District  
Duane Stroup, Reclamation

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

The meeting was called to order by Vice Chair William Bourdeau 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 5-7: Board to Consider: a) October 6, 2022 Meeting Minutes, c) Acceptance of the Financial & Expenditures Reports, d) Treasurer's Report, e) Staff Reports.**

On a motion of Director Bill Pucheu, seconded by Director Ryan Ferguson, the Board accepted the October 6, 2022 Meeting Minutes, Financial Expenditures Reports, Treasurer's Report and Staff Reports. The vote on the motion was as follows:

AYES:	Weisenberger, Hansen, Emmons, Ferguson, Bourdeau, Azhderian, Diedrich, Ortega, Varela, Kremen, Cattaneo, Pucheu, Birmingham, Amorelli
NAYS:	None
ABSTENTIONS:	None

**ACTION ITEMS**

5. **Agenda Item 8: Board of Directors to Consider Finance & Administration Committee Recommendation Regarding Resolution Authorizing Application for Extended Repayment and Funding in the Amount of \$841M from the Aging Infrastructure Account in Fiscal Year 2023 for Extraordinary Maintenance Work on Jones Pumping Plant and the Delta-Mendota Canal.**

Chief Operating Officer Pablo Arroyave reviewed the memo, resolution, and the PowerPoint slides included in the packet. Arroyave reported that the PowerPoint presentation was from the October 22 Reclamation workshop, and based on the requirements outlined in the PowerPoint, the Authority is

recommending submitting an application to fund the Subsidence Correction project and the Jones Pumping Plant Excitation project. Arroyave reported that Reclamation's FY 2023 Spend Plan authorizes \$649 million from the Account through a competitive funding process with the application period open from October 3, 2022 until December 1, 2022. Arroyave reported that the Authority would seek at least a 30-year repayment term and would explore additional repayment terms with Reclamation during the application review process. Arroyave reported that any repayment contract would be brought to the Authority Board of Directors for future review and action. Arroyave reported that this item was discussed in detail during the Finance & Administration Committee (FAC) meeting, and the FAC recommended the Board of Directors approve this item.

After discussion, Director Tom Birmingham made a motion, seconded by Director Anthea Hansen, and the Board adopted the resolution authorizing application for extended repayment and funding in the amount of \$841M from the Aging Infrastructure account in Fiscal Year 2023 for extraordinary maintenance work on Jones Pumping Plant and the Delta-Mendota Canal. The vote on the motion was as follows:

AYES:	Weisenberger, Hansen, Emmons, Ferguson, Bourdeau, Azhderian, Diedrich, Ortega, Varela, Kremen, Cattaneo, Pucheu, Birmingham, Amorelli
NAYS:	None
ABSTENTIONS:	None

## REPORT ITEMS

### 6. Agenda Item 9: Report on State and Federal Affairs.

Water Policy Director Scott Petersen reported that on Thursday, October 6, the U.S. Fish and Wildlife Service announced a proposed rulemaking to list the San Francisco Bay-Delta distinct population segment of longfin smelt as an endangered species under the Endangered Species Act (ESA). Petersen reported that comments are due December 7.

Petersen reported that on October 17, the Administration announced \$210 million in funding to various water storage and conveyance projects across the western United States. Petersen reported that of particular importance, the announcement included \$25 million to the Authority to pursue the B.F. Sisk Dam Raise and Reservoir Expansion Project, \$82 million for the Los Vaqueros Reservoir Expansion Phase II, and \$30 million for Sites Reservoir.

Petersen reported that the planning and budgeting process for the 2023 Farm Bill has begun, and Congressional Agriculture committees are starting to outline the next five years' spending for national conservation, food, farm and nutrition programs. Petersen reported that the Authority has begun to prepare for the next farm bill by engaging with agricultural and conservation partners and working with its members to develop priorities for the farm bill debate. Petersen reported that debate over this

next farm bill will likely include topics like policies related to agriculture and climate change, price inflation, international trade and industry consolidation. A large portion of our engagement will be devoted to the 2023 Farm Bill conservation title. Petersen reported that the upcoming farm bill will be impacted by the infusion of money from the recently passed Inflation Reduction Act's climate provisions and the Agriculture Department's own efforts to promote climate-smart land management. Petersen reported that approximately \$20 billion of IRA funds will support the Natural Resources Conservation Service's conservation programs nationally.

Dennis Cardoza and Bill Ball provided additional information on federal affairs.

Petersen reported that Governor Gavin Newsom is swapping out his chief of staff with political veteran Dana Williamson, who is set to take over from Jim DeBoo.

Petersen reported that on November 16, the Commission will hold a meeting that includes a panel discussion on Long-Term Drought: Expert Panel on Protecting Communities and Species. Panelists include Dr. Jay Lund, Justine Massey from Community Water Center, and Melissa Rohde, of Rohde Environmental Consulting.

Petersen reported that on October 20, Authority staff led a tour of key water facilities for Senators Anna Caballero and Dave Cortese, as well as a number of legislative staff from other offices in the Authority member agency legislative delegation. Petersen reported that stops included Jones Pumping Plant, DMC Subsidence, B.F. Sisk Reservoir, the San Luis National Wildlife Refuge, and the Los Banos Creek Detention Reservoir. Petersen reported that the Authority appreciates the member agency staff that participated and look forward to further developing these relationships with legislative staff.

Kristin Olsen provided additional information on state affairs.

## **7. Agenda Item 10: Executive Director's Report.**

- a. **Reserved Works Application for Funding** - Executive Director Federico Barajas provided a brief summary of a letter from Reclamation relating to the reserved works application for Bipartisan Infrastructure Law (BIL) funding dated October 31, 2022. Barajas introduced Duane Stroup from Reclamation to discuss BIL funding application process. Stroup reported that a workshop relating to the reserved works application for funding that was scheduled for later today has been rescheduled for next week. Stroup provided additional information on the intent of the letter, the list of proposed reserve projects, the importance of the contractor's support, and answered questions from Board members and the public. Barajas reported that Reclamation is requesting support letters that are due by the end of the month.
- b. **Budget Workshop** - Executive Director Federico Barajas reported that there is an upcoming Budget Workshop scheduled December 14.

- c. **January Board Meeting Schedule** - Executive Director Federico Barajas reported that January Water Resources and Finance & Administration Committee meetings are scheduled for January 9, and the Board of Directors meeting is scheduled for January 12.

8. **Agenda Item 11: Chief Operating Officer's Report**

- a. **JPP Unit 4** - Chief Operating Officer Pablo Arroyave reported that the reassembly is almost complete, and testing is scheduled for next week.
- b. **Hyacinth** - Chief Operating Officer Pablo Arroyave reported that there are concerns regarding hyacinth showing up at the Tracy Fish Facility, and staff is on call to monitor any issues that arise.
- c. **Budget** - Chief Operating Officer Pablo Arroyave reported that the OM&R budget is out for review. Arroyave reported that staff needs to do an estimated delivery survey. Arroyave reported that at this point staff is proposing to use a 0%/10%/20% South-of-Delta Ag allocation scenario.

9. **Agenda Item 12: Update on Water Operations and Forecasts**

Tom Boardman reported on Shasta storage and described precipitation conditions and storage projections for next spring. Folsom storage and current refill trends were also reported.

Delta conditions were described, including rates for CVP and SWP exports and limiting constraints on additional pumping.

Boardman briefly explained storage conditions in the CVP share of San Luis Reservoir. It was noted that storage is trending lower than Reclamation's projections and the anticipated spring refill will likely be affected by lagging storage.

Responding to a question from the public, Boardman stated that absent an above normal winter, Reclamation will likely project a Shasta critical year for 2023 until at least March.

10. **Agenda Item 13: Committee Reports.**

- a. **Water Resources Committee** - November meeting was cancelled.
- b. **Finance & Administration Committee** - Executive Director Federico Barajas reported that the committee met and addressed agenda items.
- c. **O&M Committee** - Executive Director Federico Barajas reported that the committee met in October and addressed agenda items.

11. **Agenda Item 14: 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.**

Brandon Souza reported that the MOSAC Museum will be celebrating its 1-year anniversary.

Souza provided a brief reported on the Wall Street Journal Public Outreach effort.

**d. Association of California Water Agencies.**

Director John Varela reported that the ACWA Fall Conference is coming up in Indian Wells.

November 29-December 2. Varela reported that the formation of the trustees will be announced for the Diversity Foundation.

Director Bill Diedrich reported that on November 30 there will be an international panel with guests from the Netherlands and Israel discussing Salt Water Barrier among other topics.

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

Water Policy Director Scott Petersen reported that there is an upcoming Blueprint Board meeting scheduled November 16.

**f. SJV CAP**

Water Policy Director Scott Petersen reported that the SJV CAP Steering Committee met to discuss changes to the draft Term Sheet that was previously provided to the Board for reference. Petersen reported that a redlined version of the document is now available and is circulating amongst the various caucuses for discussion prior to a planned vote at the Plenary Group on November 22.

**G. CVPWA**

Director Anthea Hansen reported that the budget will be out soon.

**12. Agenda Item 15: Board Member Reports.**

Alternate Director Ara Azhderian reported that John Bennett will be retiring from the Panoche Water District Board of Directors.

Director Manny Amorelli reported that the hyacinth spray at the pool is working well.

**13. Agenda Items 16-17: Closed Session Report.**

Vice-Chair William Bourdeau adjourned the open session to address the items listed on the Closed Session Agenda at approximately 10:46 a.m. Upon return to open session at approximately 11:30 a.m., General Counsel Rebecca Akroyd stated that no reportable actions were taken.

**14. Agenda Item 18: Reports Pursuant to Government Code Section 54954.2(a)(3)**

No report.

15.     **Agenda Item 19: Adjournment.**

The meeting was adjourned at approximately 11:31 a.m.







## MEMORANDUM

TO: SLDMWA Board of Directors and Alternates

FROM: Rebecca Akroyd, General Counsel  
Scott Petersen, Water Policy Director

DATE: December 8, 2022

RE: Board of Directors to Consider Water Resources Committee Recommendation  
Regarding Adoption of Fiscal Year 2024 Objectives

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### Background

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In December 2021, the Authority Board adopted Legislative and Policy Objectives to guide its state and federal legislative advocacy and outreach program in Fiscal Year 2023 (March 2022 – February 2023). This memorandum proposes objectives to guide Fiscal Year 2024.

Staff anticipates that there will be significant policy activity in the next calendar year, specifically around 2023 water operations, revisions to the 2019 Biological Opinions, the listing status of longfin smelt, activity to advance the Bay-Delta Water Quality Control Plan update, implementation of the Infrastructure Investment and Job Creation Act and Inflation Reduction Act, and state legislative activity on common interest areas. Additionally, the midterm elections resulted in a number of new legislators in the Authority's member agency service area at both the state and federal level, who will need to be educated on key issues to the Authority and its members to effectively influence the policy arena during the coming year.

### Proposed Fiscal Year 2024 Objectives

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**Proposed Core Objective** – To restore Central Valley Project water supplies to levels that meet reasonable demands within member agency boundaries and improve the reliability of those water supplies through the development and advocacy of sound water resource management and environmental policy.

**Proposed Objective #2** – Restore Central Valley Project Water Supply for Member Agencies

*Summary of Needs*

South-of-Delta Central Valley Project (CVP) water supply reliability has decreased over time due to a broad number of factors.

*Authority's Approach*

Seek administrative, legislative, legal, and regulatory solutions to restore CVP water supplies to meet demands within member agency boundaries and improve the reliability of contracted water supplies to south-of-Delta CVP contractors. Specifically, the Authority intends to engage in efforts to advance the following key issues:

- Continued implementation of scientifically justified adaptive management and operational provisions of the 2019 Biological Opinion and 2020 Record of Decision for the ~~reinitiated-of~~ Consultation on the Coordinated Operations of the Central Valley Project and State Water Project, including through legislative direction
- Combined functional flow and habitat expansion measures to advance ecosystem and species recovery efforts in lieu of flow only approaches, particularly the advancement and implementation of scientifically justified voluntary agreements to implement the Bay-Delta Water Quality Control Plan
- Address obstacles to enable a more streamlined water transfer program for the current and future water years

**Proposed Objective #3 – Improve Water Infrastructure Affecting Authority Member Agencies**

*Summary of Needs*

Aging infrastructure, combined with increased demands on CVP facilities and other environmental factors, and subsidence, have resulted in decreased water delivery reliability to south-of-Delta CVP contractors.

*Authority's Approach*

Support water infrastructure authorization and appropriations legislation and engage in administrative and legal processes that will enable Authority to operate facilities at optimal levels in the most cost effective, efficient manner. Specifically pursue state and federal legislation that would authorize funding to advance key projects, including:

- Restoration of conveyance capacity of Delta-Mendota Canal
- Expansion of San Luis Reservoir

**Proposed Objective #4 - Improve Outreach and Education**

*Summary of Needs*

The Authority and its member agencies make positive and responsible investments in environmental stewardship and increasing the scientific body of knowledge that are unknown to legislators, regulatory agencies, and the public.

*Authority's Approach*

Tell targeted local, state, and federal policymakers, and the public generally, the story of Authority and member agencies' positive and responsible investments in environmental stewardship and advancement of scientific knowledge. Adopt and implement annual Communications Plan to advance Goal 6 of the Authority Strategic Plan: Effective Communication and Engagement with Key Parties. Key priorities this year will include establishing relationships with new federal and state policymakers, further developing relationships with existing federal and state policymakers, and coalition building between the Authority, its member agencies, and local, state and national organizations with common interests. Key efforts this year will include:

- Host and lead weekly coordination calls with member agencies to promote coordination and effectiveness of effort to restore water supply
- Establish relationships with new federal and state policymakers
- Further develop relationships with existing federal and state policymakers
- Coalition building between the Authority, its member agencies, and local, state and national organizations with common interests

## Issue for Decision

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Whether to adopt the Water Resource Committee recommended Fiscal Year 2024 Objectives.





X11.

December 8, 2022

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for November 2022

### **Operations Department**

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 1-3 units for the month of November. The average rate of pumping for the JPP during the month was 1,353 cubic feet per second (cfs).

Total pumping at the JPP for the month of November was 80,602 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 14,395 acre-feet, and pumped 14,677 acre-feet during the month of November. Zero acre-feet was pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and zero acre-feet was reversed from the California Aqueduct to the DMC for the month of November.

The Federal share in the San Luis Reservoir at the end of November 30<sup>th</sup> was 190,477 acre-feet as compared to 71,850 acre-feet for end of November 2021.

During the month of November, releases from Friant Dam ranged from 480 to 681 cfs with 9,342 acre-feet entering the Mendota Pool. Flows past the Mendota Dam for the San Joaquin River Restoration Program (SJRRP) were 9,332 acre-feet for November.

Canal Operations staff performed open channel and closed-pipe flow measurements, routine patrols, wasteway inspections, flow meter calibration, bi-weekly meter readings, water samples, well soundings, meter retrofitting, and routine meter maintenance during the month of November.

Control Operations switching/clearance placements performed this month:

- C-22-JP-60 JPP Unit 2 annual maintenance
- C-22-JP-61 JPP Unit 2 suction elbow
- C-22-JP-76 JPP Unit 4 cooling water leaks (motor housing)
- C-22-JP-77 JPP Unit 2 accumulator tank
- C-22-JP-78 JPP Unit 4 balance test
- C-22-JP-79 Volta West well repair
- C-22-JP-80 JPP Unit 4 balance test
- C-22-JP-80-A JPP Unit 4 RTU
- C-22-JP-80-B JPP Unit 4 RTU
- C-22-JP-80-C JPP Unit 4 lower guide inspection
- C-22-JP-81 JPP Unit 4 balancing

- C-22-JP-82 JPP Unit 4 balancing
- C-22-JP-83 JPP Unit 4 balancing
- C-22-JP-84 JPP Unit 4 balancing weights on rotor
- C-22-JP-85 JPP Unit 4 testing
- C-22-JP-86 JPP Unit 4 testing
- C-22-DM-87 DMC MP 62.08R install lower meter bracket
- C-22-DM-88 DMC MP 49.56R install new turnout gate

### **Plant Maintenance Department**

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

#### **Electrical/C&I Staff:**

- JPP Unit 2 annual maintenance
- JPP Unit 2 AC/DC lube oil pump repair
- JPP Unit 4 rewind assembly
- JPP Unit 3 cooling water repair
- JPP Unit 1 excitation AVR troubleshooting
- JPP Unit 1 SCADA indication troubleshooting
- TFO facility lighting repair
- OPP Unit 2 annual maintenance
- Control Room HVAC system repairs
- OPP Unit 2 flowmeter install and programming
- Volta West well troubleshooting
- Investigate TFO entrance gate control box failure

#### **Mechanical Staff:**

- JPP trash rack cleaning
- JPP Unit 4 cooling water strainer repair
- JPP trash rake PM
- JPP Unit 2 annual maintenance
- JPP plant checks and PM's
- JPP Unit 4 rewind assembly
- JPP Unit 4 vibration testing
- Sandblast and paint handrails for building hatches
- OPP Unit 2 annual maintenance
- OPP plant checks and back wash
- OPP Unit 2 annual maintenance

### **USBR Support Services**

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

- TFCF DRS dive inspection
- TFCF tension arm repairs
- TFCF monorail gripper repairs
- TFCF trolley removal

## **Civil Maintenance Department**

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

- Mowing of DMC ROW
- LBFO building PM's
- LBAO building PM's
- JPP support
- Fabricate handrails along the DMC
- Fabricate pipe fencing along the DMC
- Installed new drain piping at MP 78.59
- 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
- Drain Inlet cleaning PM's along the DMC
- Installed poles for guardrail at MP 67.15
- New employee Class A driver training and trucking school
- Fabrication of handrails for TFO roof hatch openings
- San Luis Drain sign repairs and replacement
- Painting over graffiti on DMC structures
- Fabricated new meter covers at MP 38.80 and 48.60
- DMC pot hole and road repair
- Farm Bridge repair at MP 36.81 and 38.14
- DMC erosion repair
- Installed three new meters at MP 93.25
- TFO yard maintenance
- Attended the November Quarterly

## **Engineering Department**

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

- OPP Unit 1 enclosure tube repair
- USBR tile drain drawings
- DMC seepage monitoring @ MP 20.15L
- Data management of well readings and creation of Warren Act hydrographs
- OPP cooling water strainer purchase (Special Project)
- DCI U3 & U4 pump installations engineering support and SCADA development
- OPP Unit 1 & 3 generator switchgear transfer switch repair
- OPP SCADA user station development
- JPP OPERATOR 2 server replacement
- Backup Red Lion Controller (DCI,JPP,OPP)
- OPP Red Lion web client some screens not functional
- TFO remote view of camera at OPP not functioning on one feed
- OPP Kinney strainer purchase
- Roof access hatch guardrails design for Electric Shop and Canal & Vehicle Maintenance Shop
- TFO Transformer Main leak monitoring
- DCI cathodic protection system survey and repairs
- OPP Unit 5 motor breaker hi-pot test
- OPP Unit 5 stator inspection

- TFO/DCI/OPP transformer oil monitoring
- TFO & JPP Electrical PM research

### **2022 DMC Pumpback Project**

- Finalized plans and documented work completed
- Final report and invoice preparation in progress.

### **Land Management Activity Summary**

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

- Access permit P2302023 was issued to PG&E to replace the broken anchor to their existing utility pole located near MP 56.90-R on the Delta-Mendota Canal.
- Access permit P2302027 was issued to PG&E to blast and re-coat their existing pipeline attached to the county bridge (Orestimba Rd.) located at MP 52.01 on the Delta-Mendota Canal.
- Emergency access permit P2302030 was issued to Del Puerto Water District to repair the existing underground pipeline servicing the turnout at MP 52.02-R on the Delta-Mendota Canal.

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

- Orestimba Creek Recharge Project
- City of Tracy commercial developments
- City of Patterson – Roger Road developments & Baldwin Ranch comments
- Nees Avenue bridge replacement
- I-205 bridge replacement
- PG&E pipeline replacement at MP 92.73
- Koster Road bridge guardrail extension, San Joaquin County
- City of Tracy Schulte warehouse annex
- Black Gulch Creek license renewal
- Lammers Road bridge replacement

### **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 – 11-1 Emergency Preparedness, 11-2 Basic First Aid Procedures, 11-3 Fire Prevention, 11-4 Driving in the Fog
- Provided Safety Message for November 2022 Newsletter – Situational Awareness and Personal Safety
- Provide rescue standby service at OPP
- Conducted New Hire Safety Orientation for Travis Roberts
- Issued Zoleo Satellite Communicators and conducted training
- Conducted Quarterly Safety Inspections of SLDMWA facilities



## **Procurement and Work & Asset Management Department**

The Work & Asset Management Department worked on the following items this month:

- Continued training and support with Warehouse Inventory Control Clerk and Buyer
- New Contract Specialist started November 14<sup>th</sup> with ongoing training
- Completed 8-month probationary appraisal for employee
- Tested and finalized outstanding NetSuite issues, moved to production
- Advanced Procurement Software testing continued in NetSuite.
- Completed Procurement Activity Report
- Attended and participated in November Quarterly Safety Meeting
- Worked with Safety Officer to coordinate annual fire extinguisher service
- Participated in Shepherd Bi-weekly meetings and Affirma meetings
- Contracts/PO Agreements/LOA's Status Update:
  - F22-OPP-059 - OPP Main Transformer Rehabilitation. Worked with engineering team and Contract Specialist to prepare for second RFI releasing and re-release of RFP in January
  - F22-JPP-071- UZ11A Switchgear Bushing Box Replacement. Board approved single source in February with contract executed April. Received all materials and now preparing to issue NTP for construction portion.
  - F22-DMC-047, DMC Subsidence GEX. Worked on amendment to execute in December
  - F23-TFO-013, Landscape Maintenance. Worked with Contract Specialist on updating RFQ to re-solicit services with plans to release early December
  - Issued PO4603 for professional services to IAQ-EMF Consulting \$6,332

### **Ongoing:**

- Purchasing in support of the O&M crews, and maintaining/replenishing warehouse stock
- Warehouse receiving, stocking, and distribution
- Invoicing/vendor bills/vendor credits processing/invoice disputes
- Janitorial cleaning & disinfecting per COVID-19 guidelines
- Contract Management/Administration activities, including bi-weekly contract update meetings with Engineering Staff
- Developing/implementing purchasing/procurement and asset/inventory 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
- Reviewing and marking dead stock inventory for disposal

## **Information Technology Department**

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

- NetSuite
  - User and Administration
  - Bi-Weekly Implementation Team meetings
  - Affirma absorbed into FTC; met with principals on future support

- Assisted with monthly FAC, WRC and BOD meetings with Zoom
- Desktop support calls
- Planning server refresh
- Upgrading/replacing copiers
  - Signed contract with Caltronics
- Monitor Symantec Anti-Virus management console
- Security updates on servers
- Monitor firewall
- Update additional AV security settings
- Multi Factor Authentication vendor SurePass
- Follow-up meeting with Active Directory threat defense vendor
- Additional meeting with Protective DNS vendor
- Cyber Security Incidence Response Plan
- Disaster Recovery Plan
- Business Continuity Plan
- Cyber Security purchase requirements list developed. IT and SCADA
- Cyber Security Team
- First Net deploying iPhones and iPad SIMS
- MDM IBM (MAAS360) monitoring
- Reviewed Infagard dispatches – FBI Cyber Security group.
- Cyber Security training and webinars
- WAM servers, prepping for redeployment
- Troubleshoot ongoing email Autodiscover issues after WEB site move
  - Purchased and installed new security certificate
- Completed Darktrace evaluation for Cyber Security monitoring
- Support of Water Operations iPads and new app deployments via MDM
- 2<sup>nd</sup> meeting with Tyler technologies regarding Cyber Security support
- Start researching file sharing/collaboration software solutions
- Working with Brandon Souza regarding USBR Work Request email process
- Firewall replacement completed
- Create deployment packages for Office 2019 and 2021 and install in test environment and deploy to two users for testing in WA environment
- Assist C&I with copying configuration files from protective relays at DCI and upload to relays for new units 3 & 4
- Assist with troubleshooting of facility entrance gate controls at LBFO & TFO
- Research cameras for Brown Act requirements
- Quotes for backup appliance renewal
- Completed InfraGard course; How to Plan for and Conduct a Tabletop Exercise

## **HR Department**

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

### **General Administrative Activities:**

- Active Recruitments:
  - Hydro Electric Electrician, Tracy (continued recruitment)
  - Mechanical (Plant) Engineer, Tracy (continued recruitment)
  - Control Operator, Tracy (continued recruitment)

- Closed Recruitments:
  - Apprentice Plant Mechanic, Tracy (interviews scheduled)
  - Heavy Equipment Operator (skills testing scheduled)
  - Hydro Tech II (skills testing scheduled)
- Background checks for PIV cards (continuing)
- New Hire Orientations

#### Training:

- 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)
- Affirmative Action Reporting – gathering data for end of year reports

#### 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
- Job description updates
- Policy updates
- 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 their gas pipeline. A 6-inch gas transmission pipeline owned by PG&E crosses under the bridge serving 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. USBR, SLDMWA, and PGE have worked on developing new plans and license amendment to have the pipeline rerouted under the DMC. PG&E is currently onsite and scheduled to be completed with the pipeline realignment by the end of the year.

SLDMWA will be performing erosion and liner repairs under the bridge abutment once PG&E demobilizes or as weather permits. SLDMWA is planning for the repairs to occur in early 2023; meanwhile the bridge remains closed until repairs are complete.

#### **DMC Subsidence Correction Project**

Status: SLDMWA is continuing to work closely with Reclamation on the DMC Subsidence Correction Project. CDM Smith was awarded the \$2.4M contract in February 2022 to complete the Feasibility Study. 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 by 3/6/2023. CDM subconsultants submitted the 1<sup>st</sup> and 2<sup>nd</sup> Administrative Draft of the EA/IS, however it was recently determine that the additional pumps at the DCI intertie were not included in the original modeling CDM received during the data gathering phase of the project. Additional modeling must be performed and include associated costs resulting in updates to the previously submitted drafts. The effort will delay the project completion date by a currently undertermined amount however staff and CDM is working deligently to minimize the delays. The modeled results will also feed into the benefits and Ability to Pay (ATP) analysis.

USBR Design Estimating and Construction (DEC) review has concluded and resulted in eight (8) preliminary recommendations for consideration. The final joint memorandum for the DEC review is currently being drafted. SLDMWA has received an updated Geotechnical Scope of Work from USBR and an updated cost estimate and schedule from Terracon Geotechnical Engineers to complete the final geotechnical phases 2 & 3. SLDMWA is currently preparing the contract amendment to reflect the changes to the SOW and the updated cost estimates. Staff is seeking Board approval in December and requesting the Notice to Proceed to be executed by the Board.

The SLDMWA continues 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). After numerous supply chain issues, all materials were received by Unico and they mobilized back to the site on 9/26. Commissioning of the new units began late October, however an issue with the

## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

relay settings was discovered. The Water Authority is assisting Reclamation to resolve the settings in order for the contractor to proceed with commissioning.

### **DMC Turnout Flowmeter Upgrade Program – Phase 3**

Status: No activity this month. Engineering staff 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 Spring 2023.

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

#### **JPP Excitation System & Control Cabinet Modernization (FY18)**

Status: SLDMWA is currently in contract with Reclamation through a Letter of Agreement. Reclamation TSC has provided the 60% Technical Specifications and Drawings, while the Engineer's Estimate will be provided in the 90% package. The 60% package has been reviewed by SLDMWA and Reclamation Design and Construction Branch CGB-250. The 90% package is scheduled for completion in December.

The following activities have been completed to date:

- Surveyed existing equipment and conditions.
- Reviewed the upgrades to the motor protection.
- Reviewed the electrical design, assembly and placement of the Excitation Cabinets.
- Reviewed the design, dimensions and placement of new Power Transformers.
- Reviewed the design, reliability, security, and assembly of the Unit Control Panels.

An alternative location of the Excitation Cabinets that would streamline the new 13.8kV wiring is still under investigation.

#### **JPP Wear Ring Purchase (FY22)**

Status: No activity

#### **JPP Unit No. 4 Rewind**

Status: Reassembly of Jones Unit 4 by SLDMWA crews was completed in November. Performance Testing of the Unit was completed on Nov. 28, 2022. The Unit has been returned to available status to be used as necessary to support pumping operations at JPP.

#### **JPP Unit No. 3 Rewind**

Status: Production of laminations began October 13, 2022 and is on schedule to be completed December 5, 2022. Laminations will be shipped to US and arrive in Texas (NEC factory) early January 2023. Unit 3 is on schedule to begin rewind in January of 2023.

## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

### **TSY Switchgear Building UZ11A 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 (original designer and installer of the switchgear building). Building UZ11A is currently energized via adjacent switchgear building UZ8A (or UZ6A depending on circumstance). The contract for Powell to provide the repairs and replacement has been executed with the majority of submittals reviewed and approved. In August, Powell informed SLDMWA that they could not furnish the bushing box for September, and requested to reschedule the repairs. The clearance for the damaged equipment was modified until the construction is scheduled. The repairs and system outage is tentatively rescheduled for April 2023. The replacement bushing box, CTs, surge arresters, etc. have been fully received in November. Phase 1 will be complete pending processing of the invoice. SLDMWA is working on scheduling the construction (Phase 2), which is tentatively scheduled in April 2023.

### **JPP Concrete Slab by Trashrake Dumpster (FY23)**

Status: Project is currently in the planning and design phase. A geotechnical investigation was completed by Terracon to characterize the subgrade to ensure an optimum design is pursued. Final Geotech and structural recommendations from Terracon were received recently and reviewed by SLDMWA. The Project Engineer will prepare Technical Specifications along with the final design and formally solicit the project. Construction is tentatively scheduled to occur in Spring 2023.

### **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 high voltage bushings (2019) and hot oil reconditioning of the in-service transformers (2020) to ensure transformers remained eligible for rehabilitation. Quarterly oil monitoring continues and the latest test results in August were acceptable. Next oil monitoring will be in late November.

SLDMWA formerly solicited for the rehabilitation of the transformers in March and received one proposal. SLDMWA and Reclamation worked closely to review the initial proposal and obtained Board approval in August to award the contract pending a satisfactorily revised proposal score and successful negotiations with the contractor. Ultimately, the contractor was unable to resolve the issues with the proposal and opted to withdraw their proposal on June 8. After accepting the withdrawal of the proposal, SLDMWA regrouped and evaluated the lessons

## **EXTRAORDINARY O&M & CAPITAL PROJECTS**

learned and is now taking a more proactive approach to attract greater contractor interest that should lead to additional proposals. An RFI was publically solicited. The RFP is tentatively scheduled to be advertised January 2023, with construction scheduled to occur April/May of 2024, pending favorable hydrologic conditions for the outage.

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

Status: No activity this month. The Facility Rating Review has been received. The personal protective grounds were upgraded per recommendations from the Facility Rating Review. Staff performed an inspection of the unit busses. The Arc Flash Hazard Analysis final report has been received. The Protective Relays Review is still pending delivery of the final report.

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

Status: The value planning study was completed and staff is currently regrouping on how best to accomplish tasks identified in the study. Several assessments were recommended to be completed to determine the best way to move forward to achieving a reliable plant. EO&M projects have been reprioritized to prevent reworks and sunk costs. FY24 proposed projects are focused on ancillary systems that are critical but won't be affected by the assessment results. SLDMWA staff is working with Reclamation to develop an agreement to perform the recommended assessments.

### UPS Battery Charging System Replacement (FY22)

Status: Staff is evaluating whether or not to pursue this job separately from the transformer rehabilitation (April/May 2024). Initially it was planned to purchase the equipment 6 months prior to the start of the Main Transformer Rehabilitation project in order to take advantage of the planned outage, however plans may continue for an April 2023 installation.

### OPP Station Service Backup Battery System Replacement (FY23)

Status: This project, along with the UPS Battery Charging System Replacement will be done concurrently. It was planned to purchase the equipment 6 months prior to the start of the Main Transformer Rehabilitation project in order to take advantage of the planned outage, however plans may continue for an April 2023 installation.

### OPP Accusonic Flowmeter Console Upgrades (FY23)

Status: Consoles have been purchased and recieved. Installation activities are underway. Staff discovered a faulty communication component within the new consoles and are working with Accusonics on a replacement.

## ***EXTRAORDINARY O&M & CAPITAL PROJECTS***

### ***TRACY FACILITIES (TFO)***

#### ***TFO Domestic Water Treatment Plant Replacement (FY20)***

Status: No activity this month.

### ***MULTIPLE FACILITIES***

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

Status: The Analysis will be conducted by Reclamation TSC through a LOA. The onsite surveys for TFO, LBFO, and DCI were completed in September 2022. SLDMWA provided additional information to TSC regarding emergency generator and LBFO's station service. The Arc Flash Hazard Analysis Reports are expected to be completed by September 2023.

#### ***SCADA System Evaluation (FY23)***

Status: Site discovery and documentation of the existing SCADA System is ongoing. The development of controls and SCADA standards is in process. Research is being conducted on how best (with major supply chain issues) to upgrade the system to current standards and then maintain the system with a newly developed 10-year plan. Communication continues to determine if an existing fiber line owned and operated by DWR could be utilized for SLDMWA communication. Staff is evaluating and developing operational technology (OT) cyber security needs and response plan. Work continues to build a controlled area to evaluate and test new hardware and software implementations before going live. Pricing on hardware and software have been acquired. The PepLink cellular modems (APN) for an air gapped network have been evaluated and found to be successful with security and connection to AT&T FirstNet (First responders network). Staff is currently testing ESTEEM radios and preliminary results of security and speeds have been promising. Testing on virtual machines for the SCADA environment is underway. Construction of a PLC test rack also began this month.

#### ***TFO O&M Compound, Seal Coat Surfacing & Striping (Including USBR Lot) (FY23)***

Status: No Activity.





## STAFF MEMORANDUM

TO: Board Members and Alternates

FROM: Scott Petersen, Water Policy Director  
Cynthia Meyer, Special Programs Manager

DATE: December 8, 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	\$105,000

	Authority is currently researching two potential uses 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**

<b>Subject</b>	<b>Description of Work / Objective(s)</b>	<b>SFCWA Funds Remaining</b>
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**

<b>Subject</b>	<b>Description of Work / Objective(s)</b>	<b>FY 23 Budget</b>
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

	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"> <li>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</li> </ol>	\$200,000

