

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY BOARD OF DIRECTORS REGULAR MEETING MINUTES JANUARY 11, 2024

The Board of Directors of the San Luis & Delta-Mendota Water Authority convened at approximately 9:31 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
Anthea Hansen, Director
Ed Pattison, Director

Division 2

- Ross Franson, Director
William Bourdeau, Vice-Chair/Director
Patrick McGowan, Alternate for Beau Correia
Bill Diedrich, Director (via ZOOM)

Division 3

- Chris White, Alternate for Dan McCurdy
Jarrett Martin, Director
Cannon Michael, Chair/Director
Ric Ortega, Director

Division 4

- Aaron Baker, Alternate for John Varela
Richard Santos, Director
Steve Wittry, Director
Megan Holland, Alternate for Joe Tonascia

Division 5

- Bill Pucheu, Director
Allison Febbo, 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 (via ZOOM)
Ray Tarka, Director of Finance
Cindy Meyer, Special Programs Manager (via ZOOM)
Stewart Davis, IT Officer

Others in Attendance

- Mitch Partovi, Water Agency
Katie Schoettler, Foley, Foley & Lardner, LLP (via ZOOM)
Dennis Cardoza, Foley & Lardner, LLP (via ZOOM)
Kristin Olsen, Foley & Lardner, LLP (via ZOOM)

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Tom Patton, Bureau of Reclamation (via ZOOM)
Jim Thoming, Banta Carbona Irrigation District (via ZOOM)
Mike Wade, Farm Water Coalition (via ZOOM)
Chase Hurley, Pacheco Water District
Ellen Wehr, Grasslands Water District (ZOOM)
Dana Jacobson, Valley Water (via ZOOM)
Don Wright, Water Rights (via ZOOM)

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. **Public Comment**

No Public Comment

CONSENT ITEMS

4. **Agenda Items 4-6: Board to Consider: a) December 7, 2023 Meeting Minutes, b) Acceptance of the Financial & Expenditures Reports, d) Acceptance of Staff Reports.**

On a motion of Director William Bourdeau, seconded by Director Richard Santos, the Board accepted the December 7, 2023 Meeting Minutes, Financial & Expenditures Reports, and Staff Reports.

The vote on the motion was as follows:

AYES:	Weisenberger, Hansen, Pattison, Franson, Bourdeau, McGowan, Diedrich, White, Martin, Michael, Ortega, Baker, Santos, Wittry, Holland, Pucheu, Febbo
NAYS:	None
ABSTENTIONS:	None

ACTION ITEMS

5. **Agenda Item 7: Board of Directors to Consider Finance & Administration Committee Recommendation Regarding Execution of Contract with External Auditors.**

Finance Director Ray Tarka reported that Richardson & Company, LLP has audited the Water Authority financial statements since Fiscal Year 2018. Tarka reported that per direction from the Finance & Administration Committee, the Water Authority transmitted a request for proposals (RFP) to obtain the proposals necessary to engage a new firm for auditing services beginning with FY24 on November 8, 2023. Tarka reported that the RFP was sent out to twenty-one regional and national accounting firms, and the RFP was also publicly posted on the website for government procurement. Tarka reported that staff

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received one response, which was from Richardson & Company, LLP, who submitted a proposal that included the assignment of a new audit partner on the new engagement as required under California Government Code Section 12410.6(b).

On a motion of Director Richard Santos, seconded by Director William Bourdeau, the Board approved execution of contract with external auditors. The vote on the motion was as follows:

- AYES: Weisenberger, Hansen, Pattison, Franson, Bourdeau, McGowan, Diedrich, White, Martin, Michael, Ortega, Baker, Santos, Wittry, Holland, Pucheu, Febbo
- NAYS: None
- ABSTENTIONS: None

6. Agenda Item 8: Board of Directors to Consider Water Resources Committee Recommendation Regarding Adoption of 2024 Science Plan.

Water Policy Director Scott Petersen provided a brief overview of the updated Science Plan included in the packet. Petersen reported that as the Science Program further develops in coordination with the implementation of the updated Water Authority Strategic Plan, staff intends to continue to increase coordination with Water Authority members, establish and implement the Science Plan, and engage in the scientific community and inform policymakers of the results of Water Authority Science Program outcomes.

Special Programs Manager Cindy Meyer reported that this a living document, and she anticipates changes and updates throughout the year. Meyer thanked the Board members for taking time to review the Science Plan.

Petersen and Meyer answered questions throughout the presentation.

On a motion of Director Richard Santos, seconded by Director William Bourdeau, the Board adopted the 2024 Science Plan. The vote on the motion was as follows:

- AYES: Weisenberger, Hansen, Pattison, Franson, Bourdeau, McGowan, Diedrich, White, Martin, Michael, Ortega, Baker, Santos, Wittry, Holland, Pucheu, Febbo
- NAYS: None
- ABSTENTIONS: None

5. Agenda Item 9: Adoption of Resolution Adopting Amendment to San Luis & Delta-Mendota Water Authority Bylaws.

General Counsel Rebecca Akroyd reported that Article 15 of the Water Authority's Joint Exercise of Powers Agreement authorizes the Board to adopt "such bylaws, rules and regulations for the conduct of its affairs as may be required." Akroyd reported that Article VIII of the Water Authority Bylaws allows

for the Bylaws to be amended by resolution of the Board, which requires a majority Board vote. Akroyd reported that the proposed amendment would authorize disclosure of certain confidential information obtained in the Water Authority's closed sessions to Board member agency legal counsel or to their member agency legislative bodies in closed session as provided for in Government Code section 54956.96. Akroyd reported that this disclosure would help increase the efficiency of communications between the Board and member agency legislative bodies

On a motion of Director Richard Santos, seconded by Director Ric Ortega, the Board adopted the amendment to San Luis & Delta-Mendota Water Authority Bylaws. The vote on the motion was as follows:

AYES:	Weisenberger, Hansen, Pattison, Franson, Bourdeau, McGowan, Diedrich, White, Martin, Michael, Ortega, Baker, Santos, Wittry, Holland, Pucheu, Febbo
NAYS:	None
ABSTENTIONS:	None

REPORT ITEMS

6. Agenda Item 10: Report on State and Federal Affairs.

Water Policy Director Scott Petersen provided updates related to staffing changes, the consultation on Long-Term Operations of the CVP and SWP, the Farm bill, Reclamation funding opportunities, Reclamation Manual updates, government funding, legislative hearings, the state budget deficit, the Delta Conveyance Project, the California Water Commission Drought Strategies White Paper, California Air Resources Board Advanced Clean Fleets regulations, and a California legislative update. Petersen answered Board questions throughout his presentation. Petersen introduced Katie Schoettler who will be taking over for Bill Ball at Foley & Lardner LLP. Additional information was provided by Dennis Cardoza and Kristin Olsen.

7. Agenda Item 11: Executive Director's Report.

- a. **Jones Pumping Plant Unit Rewind Project** - Executive Director Federico Barajas discussed the paper weight mementos provided to Board members for successful completion of Jones Pumping Plant Unit Rewind Project.
- b. **Budget Workshop** - Executive Director Federico Barajas reported that the Budget Workshop is scheduled January 17, 2024.
- c. **Reclamation Announces New Regional Director**- Executive Director Federico Barajas reported that Reclamation announced Karl Stock as their new Regional Director for the California-Great Basin Region. Barajas reported that there will be a Meet & Greet at the

upcoming Water Users Conference in Reno.

8. **Agenda Item 12: Chief Operating Officer's Report**

- a. **Jones Pumping Plant**– Chief Operating Officer Pablo Arroyave reported that all 6 units are available at the Intertie, which could help with the O'Neill outage coming up, and freeboard operation on the DMC.
- b. **Building UZ11A**– Chief Operating Officer Pablo Arroyave reported that the Building UZ11A work should be completed by the end of the day tomorrow, and all five units at Jones Pumping Plant should be available by Friday.
- c. **O'Neill Outage for the transformer rehabilitation project** – Chief Operating Officer Pablo Arroyave reported that Authority staff would be coordinating with Reclamation regarding the scheduled O'Neill outage scheduled for April 15th-May 30th.
- d. **Budget Workshop Materials** – Chief Operating Officer Pablo Arroyave reported that all documents for the upcoming Budget Workshop should be posted by the close of business today.

9. **Agenda Item 13: Update on Water Operations and Forecasts**

Chief Operating Officer Pablo Arroyave introduced Tom Patton from the Central Valley Operations Office (CVO) of the Bureau of Reclamation. Patton provided updates regarding CVP storage, operations, and the latest forecasts.

10. **Agenda Item 14: Committee Reports.**

- a. **Water Resources Committee** – No report.
- b. **Finance & Administration Committee** – No report.
- c. **O&M Committee** – No report.

11. **Agenda Item 15: 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 (FWC)** – Mike Wade provided a brief overview of the report included in the packet.
- d. **Association of California Water Agencies (ACWA)** – General Counsel Rebecca Akroyd reported that the new Legal Affairs Chair is Jessica Diaz from Central Coast Water Authority, and that she will continue as the Vice-Chair. Water Policy Director Scott Petersen reported that the new Federal Affairs Committee Chair is Jolene Walsh from Eastern Municipal Water District, and he will serve as Vice-Chair this term.

- e. **Water Blueprint for the San Joaquin Valley (Blueprint)** - Water Policy Director Scott Petersen reported that the Blueprint Board changed bookkeeping services and appointed Kassy Chauhan as the Board Treasurer, and a Finance Committee has been appointed to review contributions and provide recommendations for 2024 contributions and categories. Petersen reported that there was a fair amount of engagement by the Blueprint at ACWA including an overview of the Blueprint, recharge, and conveyance opportunities as well as the environmentally friendly diversion pilot project were shared.
- f. **SJV CAP** - Water Policy Director Scott Petersen reported that the Plenary Group met on December 5 and 6, at University of California Merced, to finalize some 2023 actions and to set priorities for 2024. Petersen reported that next meeting of the Plenary Group will be held on January 23, 2023.
- g. **CVPWA** – Director Anthea Hansen reported that the CVPWA is continuing its search for an Executive Director. Hansen reported that the annual Water Users Conference is coming up later this month.

12. **Agenda Item 16: Board Member Reports.**

Director Richard Santos announced that Director Anthea Hansen was recently nominated as the Vice-Chair for the Los Vaqueros JPA.

Director Steve Wittry introduced new Alternate Director Megan Holland.

Director Jarrett Martin provided a brief update on the Mendota Pool dewatering.

13. **Agenda Items 17-18: Closed Session Report.**

After allowing an opportunity for public comment, Chair Cannon Michael adjourned the open session to address the items listed on the Closed Session Agenda at approximately 10:53 a.m. Upon return to open session at approximately 12:43 p.m., Chair Cannon Michael stated that no reportable actions were taken.

14. **Agenda Item 19: Reports Pursuant to Government Code Section 54954.2(a)(3)**
No report.

15. **Agenda Item 20: Adjournment.**

The meeting was adjourned at approximately 12:44 p.m.

SAN LUIS & DELTA-MENDOTA WATER AUTHORITY JOINT SPECIAL WORKSHOP OF THE BOARD OF DIRECTORS, WATER RESOURCES COMMITTEE, AND FINANCE & ADMINISTRATION COMMITTEE SPECIAL JOINT WORKSHOP MINUTES
JANUARY 17, 2024

The Joint Special Workshop of the Board of Directors, Water Resources Committee, and Finance & Administration Committee of the San Luis & Delta-Mendota Water Authority convened at approximately 9:38 a.m. at Hotel Mission de Oro, 13070 South Hwy 33, Santa Nella, with Chair Cannon Michael presiding.

Directors and Alternate Directors in Attendance

Division 1

Anthea Hansen, Director
Ed Pattison, Director

Division 2

Justin Diener, Alternate for Ross Franson
William Bourdeau, Director
Patrick McGowan, Alternate for Beau Correia, Director
Bill Diedrich, Director

Division 3

Cannon Michael, Chair/Director
Ric Ortega, Director

Division 4

Jim Beall, Alternate for Richard Santos
Steve Wittry, Director
Megan Holland, Alternate for Joseph Tonascia

Division 5

Allison Febbo, Director
Manny Amorelli, Director

Water Resources Committee Members Present

Ex-Officio

Cannon Michael
William Bourdeau

Division 1

Anthea Hansen, Alternate

Division 2

Bill Diedrich, Member

Division 3

Ric Ortega, Alternate

Division 4

Steve Wittry, Alternate

Division 5

Manny Amorelli, Alternate

Finance & Administration Committee Members Present

Ex-Officio

Cannon Michael
William Bourdeau

Division 1

Anthea Hansen, Alternate

Division 2

Justin Diener, Member

Division 3

Absent

Division 4

Dana Jacobson, Alternate

Division 5

Manny Amorelli, Alternate

Friant Water Authority

Wilson Orvis, Alternate

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
Lauren Neves, Accountant III
Darlene Neves, Accountant II
Deanna Ratliff, Accountant II
Laures Stiles, Director of HR
Bob Martin, Facilities O&M Director
Jaime McNeill, Engineering Manager
Chauncey Lee, O&M Manager
Cheri Worthy, Executive Secretary
Stewart Davis, IT Officer

Others in Attendance

Mike Wade, Farm Water Coalition
Steve Stadler, San Luis Water District

I. Call to Order/Roll Call

The meeting was called to order by Vice-Chair William Bourdeau and roll was called.

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2. **Agenda Item 2: Board to Consider Corrections to the Agenda of Items**

None.

3. **Agenda Item 3: Opportunity for Public Comment**

None.

4. **Agenda Item 4: Review of Proposed Fiscal Year 2025 Operations, Maintenance and Replacement (OM&R), and Activity Budgets.**

Chief Operating Officer Pablo Arroyave reviewed a PowerPoint presentation regarding the proposed FY25 OM&R Budget. Arroyave reviewed the process, components of the budget, budget comparison summary, proposed FY25 budget summary, and the detail regarding the routine OM&R and extraordinary OM&R components of the proposed budget. Finance Director Ray Tarka also provided detail regarding the status of excess EO&M Reserve funds. Arroyave and staff answered Board and committee member questions throughout the presentation, including regarding the two new positions included in the proposed budget.

Executive Director Federico Barajas reviewed the proposed FY25 Activity Budget material included in the packet. Barajas reviewed the FY24 to FY25 Comparison, FY25 Budget Expenditure Summary, FY24 Projected Actual Summary, and the Activity Agreements Budget to Actual. General Counsel Rebecca Akroyd and Water Policy Director Scott Petersen provided additional information regarding components of the Leg Ops and General Membership budgets, and Mike Wade from the Farm Water Coalition provided additional information on the Water Authority's communication plan. Staff responded to questions from Board and committee members throughout the presentation.

5. **Agenda Item 6: Review Preliminary Illustrative Water Year 2024 OM&R Rates**

Finance Director Ray Tarka reviewed the preliminary illustrative Water Year 2024 OM&R Rates based on 40% and 20% agricultural contractor allocation. Staff sought input regarding what Intertie wheeling cost assumptions should be built into the rates. Tarka reviewed San Luis Joint used budget costs, reserve components, and debt repayment. Tarka responded to questions from Board and committee members throughout the presentation.

6. **Agenda Item 8: Executive Director's Report.**

- a. **Reclamations New Regional Director (RD)**- Executive Director Federico Barajas reported that Reclamation announced Karl Stock as their new RD for the California-Great Basin Region. Barajas reported that there will be a Meet and Greet with new RD at the upcoming Water Users Conference.
- b. **Jones Pumping Plant Excitation System & Control Modernization Project** -

Executive Director Federico Barajas reported that the Water Authority has received approval of a BIL Funding award of \$25 million.

- c. **John Watts-** Executive Director Federico Barajas reported that John Watts is now working as Senior Counsel to Reclamations Commissioner.
- d. **Continuing Resolution (CR) Update** - Executive Director Federico Barajas introduced Water Policy Director Scott Petersen, who reported that the President signed a Continuing Resolution that extends government funding for four appropriations bills, including Reclamation funding, through March 1, and the other 8 appropriations bills, through March 8.

7. **Agenda Items 9-11: Closed Session Report.**

Chair Cannon Michael adjourned the open session to address the items listed on the Closed Session Agenda at approximately 12:30 p.m. Upon return to open session at approximately 1:08 p.m., General Counsel Rebecca Akroyd stated that no reportable actions were taken.

8. **Agenda Item 12: Reports Pursuant to Government Code Section 54954.2 (a) (3)**

No reports.

9. **Agenda Item 13: Adjournment.**

The meeting was adjourned at approximately 1:09 p.m.



February 8, 2024

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for January 2024

OPERATIONS DEPARTMENT

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 2-4 units for the first 30 days of January. The average rate of pumping for the JPP was 3,271 cfs for the same period.

Total pumping at the JPP for the first 30 days of January was 194,650 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated zero (0) acre-feet, and pumped 172,238 acre-feet during the same period. Six (6) acre-feet were pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and 0 acre-feet was reversed from the DCI into the DMC for the first 30 days of January.

The Federal share in the San Luis Reservoir as of January 30 was 842,325 acre-feet as compared to 496,803 acre-feet for the end of January 2023.

During the first 30 days of January, releases from Friant Dam ranged from 484 to 389 cfs with 10,618 acre-feet entering the Mendota Pool. Flows for the San Joaquin River Restoration Program (SJRRP) were 10,542 acre-feet for the same period.

Canal Operations Department

The Canal Operations crews worked on the following activities this month:

- Pitot Tube & open channel flow measurements at MP's

88.65 Right	4.98	72.38
76.05 Left	115.90	

- Serviced flow meters at DMC MP's

20.97 Right	21.12 Right	21.65 Left
22.20 Left	22.78 Left	23.41 Left
23.81 Left	24.38 Left	25.02 Left
25.18 Left	25.65 Left	27.80 Right
28.19 Left	28.89 Left	29.19 Right
29.56 Left	30.33 Left	30.43 Right
30.96 Left	31.61 Right	45.20 Left
45.38 Left	45.35 Right	

- Bi-weekly meter readings on all active 200 plus turnouts
- Inspected Wasteways
 - Westley
 - Newman
 - Volta
 - Firebaugh
- Collected water samples at MP 10.62, 20.63, 29.95, 39.21, and 45.77
- Groundwater well soundings
 - USGS Monitoring Wells
 - Upper DMC Warren Act Wells
 - Lower DMC Warren Act Wells
- Routine patrols
 - DMC
 - Mendota Pool
 - San Luis Drain

Other Activities

The Control Operations crew performed the following switching/clearance orders this month:

- C-23-JP-63C JPP Unit 6 warranty inspection
- C-23-JP-87 JPP Unit 4 exciter slip ring
- C-24-JP-01 JPP Unit 6 suction elbow
- C-24-JP-02 JPP Unit 4 motor housing inspection
- C-24-JP-03 UZ11A switchgear building bushing box
- C-24-JP-04 JPP Unit 2 exciter brushes cleaning
- C-24-DM-05 DMC Milepost 44.22 Left turnout gate replacement
- C-24-JP-06 JPP Unit 3 stuffing box RTD replacement
- C-24-DCI-07 DCI breaker UAA
- C-24-JP-08 JPP Unit 1 wheel pit level float
- C-24-DM-09 DMC Milepost 31.60 Left turnout gate replacement

MAINTENANCE DEPARTMENT

The SLDMWA Facilities Maintenance crews worked on the following projects this month:

Jones Pumping Plant

Electrical/C&I Maintenance Crews:

- JPP Unit 1 commutator brush inspection and cleaning
- JPP Unit 1 exciter and slip ring inspection
- JPP Unit 1 high water alarm investigation and repair
- JPP Unit 2 commutator brush inspection and cleaning
- JPP Unit 4 slip ring removal, repair and replace due to an arc flash event
- Building UZ11A repair work with Powell
- UZ11A SEL and Basler relay setting investigation and repair
- UZ11A breaker protective relay 11JPF11 update per USBR
- JPP sewer system electrical test and inspection 12-month PM
- JPP shop welder electrical cleaning and inspection 12-month PM
- JPP Portable hand tool safety inspection 12-month PM

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Mechanical Maintenance Crews:

- JPP Unit 6 rewind warranty 5-year stator and rotor inspection
- JPP Unit 4 slip ring removal, repair and replace due to an arc flash event
- Replaced JPP control floor bathroom heater
- Fabricated a new gas cylinder storage cage
- Inspection, removal, and replacement of JPP stop log wire rope slings
- High water alarm investigation and repair of the wheel pit pump switch
- Replaced pump in the access pit
- JPP Unit 2 elevated temperature investigation and repair
- Rehab work on spare kinney strainers stuffing box with stainless steel lining
- JPP monorail traveling gripper rake PM
- JPP 21-ton bridge crane PM
- JPP 100/20-ton gantry crane PM
- TFO Carwash Water Recycling Unit PM
- SLDMWA entry gate 3-month PM
- USBR entry gate 3-month PM
- USBR exit gate 3-month PM
- TFO warehouse loading dock electric gate 3-month PM
- JPP Unwater pump #1 3-month PM
- JPP Unwater pump #2 3-month PM
- Industrial water strainer 3-month PM
- Siphon Breaker House equipment 6-month PM

Civil Maintenance Crews:

- Fabricated a new gas cylinder storage cage

O'Neill Pumping/Generating Plant

Electrical/C&I Maintenance Crews:

- OPP annunciator panel test and inspection PM
- OPP transformer rehabilitation prep work and equipment staging
- OPP general lighting repair and maintenance
- OPP emergency lighting PM
- OPP cathodic protection system test and inspection PM
- OPP electrical prints troubleshoot and investigation
- OPP Station Service battery internal resistance test and inspection PM
- OPP Station Service battery test and inspection PM
- OPP trash rake crane test and inspection PM
- OPP sump pump test and inspection 3-month PM
- OPP security gates test and inspection PM
- OPP Station Service battery charger test and inspection PM
- OPP ½ ton chain hoist crane test and inspection PM
- OPP 65/10 ton bridge crane test and inspection PM
- OPP 1 ton chain hoist test and inspection PM
- OPP 5 ton stop log gantry crane test and inspection 3-month PM
- OPP compressed air system LP test and inspection PM
- OPP HVAC general service and repairs
- OPP UPS battery internal resistance test PM
- OPP Station Service dry transformer PM
- OPP Siphon Building Compressor Automation Development Project

- Machine and Welding Shop equipment test and inspection 3-month PM

Mechanical Maintenance Crews:

- Interior painting of the OPP facility
- Fabricated spare spline shafts for the distributor system
- OPP Transformer Rehabilitation prep work and equipment staging
- OPP trash rack cleaning
- OPP 65/10 ton crane monthly test and inspection PM
- OPP 65/10 ton bridge crane monthly test and inspection 3-month PM
- OPP 65 ton bridge crane monthly test and inspection PM
- OPP Jib crane PM
- OPP restroom plumbing inspection 6-month PM
- OPP ½ ton chain hoist crane test and inspection PM
- OPP 1 ton chain hoist crane test and inspection PM
- OPP 5 ton gantry crane test and inspection PM
- OPP 5 ton stop log gantry crane test and inspection PM
- OPP 5 ton stop log gantry crane test and inspection 3-month PM
- OPP service air low pressure compressor test and inspection PM
- OPP sump pump inspection PM
- OPP high pressure air compressor test and inspection PM
- OPP shop cleanup and organization
- OPP trash rake crane test and inspection 3-month PM
- OPP weekly plant checks
- OPP Domestic water sand filter maintenance
- OPP HVAC systems test and inspection 3-month PM
- OPP building inspection 3-month PM
- Siphon Building inspection 3-month PM
- Siphon Building bridge crane inspection 3-month PM

Civil Maintenance Crews:

- Fabricated a new gas cylinder storage cage

DMC/CA Intertie Pumping Plant

Electrical/C&I Maintenance Crews:

- Integrate SCADA system on pumps 3 and 4 for remote indication and control
- Restored power and communication due to 480/120 power loss
- JPP Intake Forebay level sensor failure investigation, troubleshoot and repair

Mechanical Maintenance Crews:

- None to report

Civil Maintenance Crews:

- Generator 12-month PM
- Repaired fuel leak and replaced dead battery on the DCI generator

Delta-Mendota Canal

Electrical/C&I Maintenance Crews:

- DMC Checks 16 - 20 electrical systems and equipment troubleshoot and repair
- Communication and power loss at Check 8 investigation, troubleshoot, and repair

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- Check 21 electrical system inspection and repair
- LBAO general lighting and electrical repairs
- LBAO facility lighting inspection 3-month PM
- LBFO HVAC system general service 3-month PM
- LBFO Carport Lighting Replacement Project
- LBFO main gate controller test and inspection PM
- LBFO Domestic well pump test and inspection 3-month PM
- LBFO electric hand tool test and inspection 12-month PM
- LBFO general lighting and electrical repairs
- Reprogram communication with McCrometer meters along the DMC

Mechanical Maintenance Crews:

- None to report

Civil Maintenance Crews:

- Mechanical weed control MP 51.40
- Chemical weed control MP 29.93 to 39.81, 42.53 to 53.43, 108 to 116
- Trash collection from MP 17.22 to 18.05, 45.79 to 46.35, 68.57 to 68.03
- DMC turnout maintenance (silt and debris removal) from MP 13.25 to 52.01
- Erosion repairs along the NWW
- DMC sign repair at LBFO yard
- Repair gates/ fences along the DMC from MP 14.80, 18.05, and Check 18
- Grading of DMC roads from MP 0.09 to 2.53
- Inspect shoulder drains from MP 5.00 to 60.00
- Cleaned DMC farm bridges from MP 1.00 to 30.00
- Cleaned drain inlets at MP 4.41 to 60.00
- Replaced turnout gate in meter box at MP 44.22
- Pothole repair from MP 90.54 to 92.00
- DMC float line maintenance at Patterson Pass, Lammers, and Chrisman Rd.
- DMC float line replacement at MP 63.92
- Modify test cans at MP's 25.02, 32.36
- Crane testing for upcoming certification class
- TFO shop and yard cleanup
- Silt, weed, and debris removal at the Frog Pond
- Cleaned the overchute and barrels at Little Hospital Creek
- Pipe fence fabrication at Corral Hollow Rd., Chrisman Rd., MP 114, 115.57
- Numerous vehicle oil changes and minor repairs

Tracy Field Office

Electrical/C&I Maintenance Crews:

- TFO Hazardous Waste Storage Inspection 12-month PM
- Troubleshoot and repair Warehouse gate phone
- Troubleshoot and repair a heater in the Warehouse Managers office
- JPP Domestic Water Treatment Plant Replacement Project (WTPP)
- CMT/VMT shop welder electrical cleaning and inspection 12-month PM
- CMT/VMT portable hand tool safety inspection 12-month PM
- Troubleshoot and repair TAO satellite phone system
- Troubleshoot and repair Control Room annunciator panel for alarms from JPP

Mechanical Maintenance Crews:

- JPP Domestic WTPP
- Fabricated new latching mechanism for the tilt bed trailer
- Repaired damaged hitch and drive line on the mower attachment
- Repaired and replace cart wheels for the flow meter sensor at MP 115.90-L

Civil Maintenance Crews:

- Removed silt and weeds from the TFO WTP Settling Basin
- JPP Domestic WTPP concrete slab pour
- Rodent abatement in the warehouse, admin bldg. and control room
- UZ11A Building repair support
- Fabricate metal racks for CMT shop
- Clean ditches of weeds and debris within the TFO compound
- Built wood crate for JPP slip ring transporting and repair

Other Activities

- None to report

USBR Support Services

The Water Authority crews supported the following work at USBR facilities during the outage this month:

- Contract support for wood grinding in the Hyacinth Pit area

ENGINEERING DEPARTMENT

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

- Data management of well readings and creation of Warren Act hydrographs
- DCI U3 & U4
 - Tested and validated U3 & U4 functionality and visibility to SCADA
- OPP SCADA/user station server upgrade
 - New rack mount PC build
 - Installed new OS Win 10, Aveva Software, TopServer, and licensing
- DMC work on PLC replacement plan for check structures
 - Began verifying and redlining electrical diagrams to use Check 21 as the first check structure to receive an upgraded PLC.
- DMC check motor replacement
- OPP trash rack for industrial water inlet
- JPP unit wheel pit float switch replacements
- OPP siphon tube vacuum pump rebuilding
- JPP check valve replacement for unwatering sumps
- JPP air vent valves for motor air coolers cooling water system

Land Management Activity Summary:

The Engineering staff issued ten (10) Access Permits this month:

- Access Permit P2402037 issued to PG&E allowing them to access their overhead power line servicing the turnout at Milepost 59.50-R on the Delta-Mendota Canal
- Access Permit P2402040 issued to Del Puerto Water District allowing them to repair/replace underground pipeline, pump and motor servicing the turnout at Milepost 56.85-L

- Access Permit P2402041 was issued to Banta-Carbona Irrigation District allowing them to replace existing turnout gate located inside distribution meter box on the Delta-Mendota Canal at Milepost 20.42-L
- Access Permit P2402042 was issued to San Luis Water District allowing them to repair/replace pump and motor servicing the turnout at Milepost 82.26-L on the Delta-Mendota Canal
- Emergency Access Permit P2402043 was issued to Del Puerto Water District allowing them to repair the existing underground pipeline at Milepost 25.65-L on the Delta-Mendota Canal
- Access Permit P2402045 was issued to Del Puerto Water District allowing them to repair/replace the existing distribution box at Milepost 43.73-L on the Delta-Mendota Canal
- Access Permit P2402046 was issued to San Luis Water District allowing them to perform pedestrian biological and topographical surveys on the Delta-Mendota Canal from Milepost 79.12 to Milepost 80.35
- Access Permit P2402047 was issued to Del Puerto Water District allowing them to repair the existing underground pipeline servicing the turnout at Milepost 52.40-L on the Delta-Mendota Canal
- Access Permit P2402048 was issued to Caltrans allowing them to perform an underwater bridge inspection at Milepost 0.33 (Lindemann Rd.) on the Delta-Mendota Canal
- Access Permit P2402049 was issued to Del Puerto Water District allowing them to draft water from the Delta-Mendota Canal at Milepost 43.23-R

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

- Orestimba Creek Recharge Project
- San Joaquin County Pacific Gateway Project, EIR public comments
- PID new proposed turnout near MP43.25
- Santa Nella WD pipeline installation, construction observation
- Caltrans bridge inspection report management
- Costco HOM property development
- Drainage easement quitclaim request at MP39.20R

SAFETY DEPARTMENT

The Safety Department worked on the following items this month:

- Provided Job Hazard Analysis support to the crews
- Sent out Safety Topics for the month of January to all SLDMWA staff:
 - 1-1-2024 Safety Leadership
 - 1-2-2024 Crane Safety
 - 1-3-2024 Severe Weather Safety
 - 1-4-2024 Emergency Preparedness and Response
- Provided Safety Message for January 2024 Newsletter
 - Severe Weather Alert: Are You Prepared?
- Scheduled annual hearing tests for selected employees
- Provided FHECP training to contractors
- Provided CPR AED First Aid Training to LBAO/LBFO & TAO/TFO staff

PROCUREMENT AND WORK & ASSET MANAGEMENT DEPARTMENT

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

- WAM Manager finalized all staff annual PA's
- WAM Manager created and finalized annual sales tax report and sent to accounting
- WAM department closed several outstanding PO's in preparation for new FY
- Contracts/PO Agreements/LOA's Status Update:
 - F24-OPP-003 Plant Water Storage Tank Rehab – Notice of Completion sent on 1/5/24
 - F24-ALL-006 Heavy Equipment Rental Master Agreement – Pre-solicitation stage, Scope of Work (SOW) being developed
 - F24-DMC-010 Diving Services Master Agreement – Pre-solicitation stage, developing SOW for contract
 - F24-ALL-005 Biological Survey Master Agreement - Pre-solicitation stage, SOW being developed for contract
 - F24-TFO-002 Fuel Delivery Master Agreement – Pre-solicitation stage
 - F24-TFF-016 Wood Grinding and Pole Disposal Contract – Work complete, pending Bureau documentation for completion
 - F24-ALL-020 Fire Sprinkler Inspection – Pre-solicitation stage, pending SOW update from Project Manager
 - F24-JPP-025 JPP Pipe Inspection – Ongoing service
 - F24-LBAO-029 Auditing Services – Proposal received, Notice of Intent to Award delivered on 12/21/23 and pending Board approval.
 - F23-OPP-015 Transformer Rehab – Change Order 1 executed on 1/29/24
 - F22-DMC-065 Feasibility Study – Second Amendment executed on 1/17/24 for term extension and reallocation of existing funds to different Tasks
 - Activity Agreement Task Order 2023-002 Exchange Contractor Transfer Program executed \$3,500 1/5/24
- 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
 - Participated in NetSuite weekly & biweekly meetings
 - Contract management/Administration activities, including bi-weekly contract update meetings with Engineering staff
 - Developing/implementing/updating 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
 - Weekly Shepherd meetings
 - Bi-weekly COO staff meetings

INFORMATION TECHNOLOGY DEPARTMENT

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

Administrative Activities:

- Monthly FAC, WRC and BOD meetings with Zoom
- Creating policies for BYOD with Legal
- FY25 RO&M budget
- Created Budget to Actual reports within NetSuite specific to IT EO&M
- Started new MS Project to track / schedule EO&M activities for FY25
- Tracking AT&T over billing and awaiting credits

General Network & Desktop Support:

- Research budgeting software solution
- Configured Knowbe4 Phishing Campaign and additional end user email training to begin Jan 2024
- Desktop support calls
- Firewall firmware updates
- Research abnormal network activity as reported by Darktrace
- LBAO Board Room sound troubleshoot
- Server Security updates
- Added new Roles to AD Server in Sacramento office
 - Prepped for file history (laptop backups)
- Configured additional AT&T Portals
 - Set all invoices to be emailed to accounts.payable@sldmwa.org
 - Created additional portal access for employees
- Built new Virtual Server for updated Symantec Endpoint Security Manager
 - Outside vendor completing conversion
- Built new Virtual Server to host new Symantec Message Gateway server
 - Install of MGS and configuration under way for deployment

Ongoing:

- NetSuite
 - User and Administration
 - Bi-Weekly Implementation Team meetings
 - Monitor Citrin Cooper support activities for NetSuite
- Shepherd
 - Weekly progress meetings
- Server refresh prep for deployment to LBFO and OPP
 - WAM Servers, prepping for redeployment
- Cybersecurity
 - Monitor Symantec Anti-Virus Management Console
 - Update Symantec
 - Security updates on Servers
 - Monitor Firewall
 - Monitor Darktrace appliance reporting
 - Update additional AV security settings
 - (MFA) Multi Factor Authentication vendor SurePassID
 - Installed "live" MFA Server after purchase of licenses

- Cyber Security training and webinars
 - Cyber Readiness Institution Certification Course
- Cyber Security Team
 - Cyber Security Incidence Response Plan
 - Disaster Recovery Plan
 - Business Continuity Plan
- Monitor IBM (MAAS360) Mobile Device Management
- Review Infragard dispatches – FBI Cyber Security group
- Monitoring Darktrace Cyber Security appliance in IT network
 - Advanced configurations IT/OT
- Added Cloud immutable backups
- Added “Cold” air gapped local backups
- Continue to troubleshoot email auto-discover issues
- Deployment of Office 2021
- Gate control planning
 - Tracy gate materials ordered
 - Trofoltz (vendor) will tie controls into newly installed security system
- DWR regarding use of Fiber from a 1992 contract agreement
- Document management evaluating quotes
- Logistical and technical support provided to Trofholz, new site security installation vendor hired by USBR
- Review quotes for surface and laptop refresh cycle
 - New quotes as original equipment no longer available

HUMAN RESOURCE DEPARTMENT

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

General Administrative Activities:

- Active Recruitments
 - None to report
- Closed Recruitments
 - Equipment Mechanic (Los Banos)
- Candidates Selected
 - Continued review of applicants
- Skills Testing
 - None to report
- New Hire Orientations
 - None to report
- Draft RFP for total compensation survey

Trainings:

- Cyber Security training tracking (all staff)
- Sexual Harassment Prevention training tracking (all staff)
- Defensive Driving training tracking (all staff)
- Ethics training tracking (executive staff)

Government Reporting:

- EEOC tracking/reporting
- Affirmative Action report tracking

Ongoing:

- Performance appraisal tracking
- 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

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EXTRAORDINARY O&M & CAPITAL PROJECTS

DELTA-MENDOTA CANAL (DMC)

Bridge Abutment Repair at MP 92.73 (FY21)

Status: No changes this month. PG&E has completed the relocation of the 6-inch gas transmission line that crosses under the MP 92.73 bridge serving the City of Dos Palos. In the process of removing the pipeline from the bridge, PG&E's contractor damaged the concrete stem wall. Staff performed a visual inspection with PG&E inspectors and contractor and determined that the damage is within SLDMWA's capabilities for repair. PG&E has agreed to reimburse SLDMWA the full cost of the repair (\$40k estimate), which is currently scheduled to be completed with the erosion repair. Scheduling for the erosion and liner repairs under the bridge abutment was planned during the Mendota Pool Dewatering, however an emergency repair of the concrete liner at Check 18 took priority. Further planning and discussions are required. In the meantime, 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 (Project) and is managing the \$2.4M CDM Smith Feasibility Study contract, and the \$2.7M Terracon Geotechnical contract. The Feasibility Study is in the final stages, awaiting review comments from Reclamation Policy. Staff has reviewed the Wetland Delineation and Biological Assessment reports and submitted comments where applicable. Ongoing coordination meetings continue on the comments. These documents support the environmental and permitting efforts and have no bearing on the Feasibility Study. CDM was asked to prepare a proposal to amend the existing contract to explore funding availability to assist in the cost of the Project. As such, the Contract was amended to include the proposal and extended the term one year. Terracon has submitted the Draft Geotechnical Data Report to the project team for review. The team has two weeks to review and return comments. In anticipation of multiple bridge raises, staff will begin reviewing Caltrans requirements and preparing a solicitation for a multi-disciplined consultant to assist with managing the bridge design deliverables necessary to gain Federal Highway Administration funding for the subsidence project. The reports are typically prepared years in advance of project approvals.

Numerous design data collection efforts have been coordinated and continue to be discussed. USBR is planning to visit the DMC to complete the bathymetric surveys from MP 3.55 to MP 90 beginning in March. Coordination of that effort is ongoing.

Staff & USBR finalized a funding agreement and project management plan for the final design of the Upper DMC rehabilitation. The first installment of \$2M to TSC was processed this month.

Staff continues to work closely with DWR on grant management activities. All outstanding progress reports, a \$3.3M invoice, and a \$19.3M amendment request was submitted this month.

EXTRAORDINARY O&M & CAPITAL PROJECTS

DMC Turnout Flowmeter Upgrade Program – Phase 3 (FY23)

Status: The contract agreement for the needed flowmeters in phase 3 has been executed with the notice to proceed issued to McCrometer in November. In this final phase, 50 flowmeters are scheduled to be upgraded. The delivery of the flowmeters will be carried out in batches, with the first batch expected to be delivered in February. The contract agreement is set to be completed by summer 2024.

O&M Road Maintenance Program – Phase 2 of 5 (FY24)

Status: Completed

DMC D/S Check 18 Concrete Lining Repair, MP96.82 (ERF)

Status: Completed

DMC Concrete Lining Repair and Farm Bridge Abutment Stabilization, MP41.49 (ERF)

Status: Use of the Emergency Reserve Fund was approved by Reclamation in November. Site work will be scheduled when flows decrease in the Upper DMC. Plans for the repairs to this site will begin in March.

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 (LOA). The 100% design package (SpecB) is scheduled for completion in February 2024. Once received, SLDMWA staff will begin putting together the solicitation package. SLDMWA has received notice that the application for \$25M of BIL (Aging Infrastructure) funding was approved and is working with Reclamation on repayment details. A public repayment negotiation was held by Reclamation on 12/20/2023. A technical session was held on 1/19/2023 to discuss the service life of the system, and when the project will be considered substantially complete. An additional negotiation session is anticipated to occur in February.

JPP Wear Ring Purchase (FY22)

Status: No activity

JPP Unit No. 3 Rewind

Status: Jones Unit 3 Rewind Project is complete. Reclamation is preparing the substantial complete letter and acceptance of the performance test results. Staff has prepared and submitted the final invoices for the project to the USBR and is awaiting repayment.

TSY Switchgear Building UZ11A Repairs (Unplanned Project)

Status: Staff continued to work with Powell regarding the work performed in September, as well as the remaining work required to complete the project. Test Reports for the CTs, PTs, breakers, protective relays, and buses were received in December. Powell remobilized to the site during the week of January 8, 2024.

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EXTRAORDINARY O&M & CAPITAL PROJECTS

Powell performed tasks such as checking the heater circuits, relocating the PTs to the line side bus, reinstalling the CTs to correct WAPA revenue metering, and all associated electrical tests. Reclamation electrical engineers were onsite and provided support throughout the repairs. SLDMWA, BOR, TSC, and WAPA successfully completed the commissioning of Switchgear UZ11A.

A safety/compliance issue still remains as the rear cover plates were still missing. The cover plates is a requirement for the switchgear to be considered arc resistant. The switchgear was designed to have arc blast to flow up to blast chutes and out of the building. Without the cover plates, the blast would flow down to the underground cable tunnel. Powell has determined that it'll take a week to perform the installation of the cover plates, and this work is covered through the contract scope of work. Staff is working to determine the best time to schedule the one week outage.

JPP Concrete Slab by Trashrake Dumpster (FY23)

Status: Project is currently in the planning and design phase. Technical specifications that incorporate the Geotechnical Report prepared by a consultant are approximately 90% complete pending internal review, with the design drawings 100% complete. Once all technical specifications have been completed, a schedule will be developed for the solicitation and construction phases.

Jones Pumping Plant Unit 6 Rotor Repairs

Status: As part of the 5 year unit rewind warranty inspection, several cracks in the lower amortisseur shorting ring (original equipment) were discovered. Due to the potential for catastrophic failure, it was recommended that they be replaced before the unit was returned to service. An emergency Construction Contract with NEC was authorized by the Board of Director's to complete the repairs. NEC is scheduled to begin on-site work in February 2024. There was an 8 week delay in starting this work which was due to long lead times to procure the material needed for the repair. Unit 6 should be returned to service in March 2024.

O'NEILL PUMPING/GENERATING PLANT (OPP)

Main Transformers Rehabilitation/Replacement

Status: SLDMWA is currently in contract with Cal Electro Inc. (CEI) to complete the OPP Main Transformers Rehabilitation. The contract was awarded to CEI on May 10th and the Notice to Proceed was issued on May 18th. SLDMWA entered into a Professional Services Agreement with DHR Hydro Services Inc. to provide project management services for the duration of the CEI contract. Onsite construction is planned during April and May 2024 during a 45-day system outage at OPP, pending favorable hydraulic conditions.

CEI has finalized configurations for ProCore (CDMS) and provided submittals for arresters, high side bushing, relays, and fan kit for the cooling system, and Baseline Schedule. TSC has reviewed and approved the high side bushing, preapproved the fan kit pending fan controls, and arresters are to be corrected and resubmitted. Protective Relays have been received. CEI and DHR continue

EXTRAORDINARY O&M & CAPITAL PROJECTS

to work together on the issues with the bushings and Pennsylvania Transformers (PTI) in an effort to keep the contract schedule intact. Additional inspection on the spare transformer was performed in December to acquire information requested by TSC and PTI.

The Pre-design meeting was held with Reclamation TSC, CEI, DHR, and SLDMWA. Two days were spent detailing the construction schedule that meets the 45-day outage, and double checking the material list. A 2nd oil processing rig has been added in order to meet the outage schedule. WAPA cut and abandoned power cables in the switchyard to make it safe to remove the oil tanks concrete foundations. CEI, TSC, & SLDMWA continue to work on submittals required for the inspection, pre-design meeting, materials, and designs. It is understood by all that the outage will not commence without all materials onsite. CEI is scheduled to mobilize to the site to begin work on the spare transformer at the end of February, which will not require an outage.

OPP Unit Rehabilitation Project (Previously Pump Bowl Modification & Replacement)

Status: This month, staff worked closely with Reclamation as they completed the final BIL application package for the OPP Unit Upgrades, which includes the following four subprojects: 1. Unit Woodward Governor Replacement, 2. Unit Rotor & Stator Rewind, 3. Pump Bowl Replacement Program, and 4. Pump Assembly & Penstock Rehabilitation Program. Staff is currently working with Pentair to enter into a Professional Services Agreement to complete the engineering and design for the Pump Bowl Replacement Program and the Unit Woodward Governor Replacement projects. Staff anticipates bringing the Agreement to the board in March.

OPP UPS Battery Charging System Replacement (FY22)

Status: Materials required for the replacement have been ordered and scheduled to be delivered mid-April. Installation is planned to take place during the already planned OPP outage in the spring. Staff continues to work with the contractor to ensure they are compliant with California public contract codes prior to onsite work.

OPP Station Service Backup Battery System Replacement (FY23)

Status: Materials required for the replacement have been ordered and scheduled to be delivered mid-April. Installation is planned to take place during the already planned OPP outage in the spring. Staff continues to work with the contractor to ensure they are compliant with California public contract codes prior to onsite work.

OPP Cooling Water System Rehabilitation Design (FY24)

Status: Upgrades of the installations are planned to occur during the OPP Transformer Rehabilitation outage this April and May and staff is currently focusing on purchasing the long lead items. A schedule of the mechanical system repairs

EXTRAORDINARY O&M & CAPITAL PROJECTS

has been created to coordinate this effort with other construction efforts that will occur during the Transformer Rehabilitation project.

OPP Sand Filter System Rehabilitation Design (FY24)

Status: Preliminary planning activities have begun. Staff have explored the options to replace the existing tanks in-kind, or to rehabilitate the existing tanks in place. Due to the geometry of the configuration, both options present significant difficulties. During original installation, the tanks were placed prior to constructing the floor above, making it impossible to install new tanks without significant torching and welding efforts. In addition, the tanks are placed very close together giving little room to complete rehabilitation-in-place within a timely manner. In response to these difficulties, staff is exploring installing a new filter technology that incorporates a much smaller footprint, through a pilot study. The plan is to install a VAF, V-1000 self-cleaning screen filter at the JPP to test the performance of this system. If successful, the SLDMWA will present the performance results to USBR for consideration as an alternate to the existing sand filter system. Due to the available space at the Jone's Pumping Plant (JPP), the pilot plant will be installed at JPP. Incidental materials have been ordered that will support the installation of the V-1000 unit in early February 2024. Staff is currently drafting the pilot plan, which will be shared with Reclamation prior to implementing.

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement (FY20)

Status: Project is nearing completion. The primary water treatment equipment including the multi-media filters, GAC filters, and the membrane skids have been replaced. The building has been rehabilitated with a new roof and paint, and the site has been regraded to prevent flooding of the building. The California State Water Board inspected the new plant on December 18, 2023 and the list of corrective actions were minor and will be addressed by March 2024. Upgrades to the controls both locally and through the SCADA system are underway and are scheduled to be completed by February 2024. The PLC has been replaced and new HMI added. The addition of operator requested improvements that will increase their offsite visibility and control of the system is underway.

MULTIPLE FACILITIES

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

Status: No activity this month. The analysis was conducted by Reclamation TSC through a LOA. The onsite surveys for TFO, LBFO, and DCI were completed in September 2022. Final report for LBFO Arc Flash Hazard Analysis has been received. Draft report for DCI Arc Flash Hazard Analysis has been reviewed and responded with feedbacks. TFO Arc Flash Hazard Analysis will be reviewed upon receipt.

EXTRAORDINARY O&M & CAPITAL PROJECTS

SCADA System Evaluation (FY23)

Status: Staff is close to finishing this project, with the following tasks in progress:

- Developing plan for testing the security, speed, and proper use of DWR fiber
- Developing plan to implement CISA and federal cyber security mandated requirements with the least amount of system downtime.
- Developing ideas for add-on boards to display current conditions on the canal and throughout the plants.
- Testing new SCADA software solutions to see if fully capable to handle our SCADA needs and to see ROI to lowering our yearly support contract
- Testing redundant server solution for the future.



STAFF MEMORANDUM

TO: Board Members and Alternates

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

DATE: February 8, 2024

RE: Update on Science Program

SUMMARY

The San Luis & Delta-Mendota Water Authority's ("Water Authority") current science commitments for Fiscal Year 24 (March 1, 2023 – February 29, 2024) may be considered in two categories. First, the Water Authority re-budgeted \$125,000 in the current budget to fund two activities and/or studies previously authorized to be funded. Second, the Water Authority has budgeted \$390,000 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 \$515,000 available to fund science, of which \$125,000 has been obligated.

1. Previous Commitments - \$125,000 in FY 24 Budget

Subject	Description of Work / Objective(s)	FY 24 Budget
Joint Funding CSAMP 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 is underway and will provide a Formal evaluation of Delta Smelt recovery actions along with the full suite of objectives: Salmon, Ecosystem, Water Supply, Cost, Learning.	\$120,000
Joint Funding Delta Coordination Group Structured Decision making Facilitation	Funds support and assistance with the structured decision making for recommendations for summer-fall habitat actions for delta smelt by the Delta	\$5,000

	Coordination Group to the U.S. Bureau of Reclamation and the Department of Water Resources. Main contract with Dr. Jennie Hoffman with Adaptation/Insight, using Compass Resources.	
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2. New Science - \$390,000 in FY 24 Budget

Subject	Description of Work / Objective(s)	FY 24 Budget
Science Studies/Efforts		\$390,000
CAMT Studies	<p>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.</p> <p>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.</p>	\$150,000
Joint Funding 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.	\$10,000
SLDMWA Technical, Science and Regulatory Support	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, giant gardener snake, yellow-legged frog (and others), and engagement in efforts associated with the Bay-Delta Plan Update and VA Science Plan.	\$200,000

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SCIENCE PROGRAM ACTIVITIES:

Staff participates in several science forums and coordination activities. The highlights include:

Agreements for Healthy Rivers and Landscapes (“Agreements”) Science Committee (Bay-Delta Plan Update):

The Agreements Science Committee is developing the monitoring and evaluation strategy for the components of the Agreements science projects. A draft is currently under review, which includes several appendices to define and address the peer review process, the use of best available science, tributary monitoring plans, and prioritization of hypotheses.

Delta Coordination Group (DCG):

Staff participated in the DCG meetings and provided input on the recommendations for temperature thresholds for Habitat Suitability Index. The DCG will be developing the final report for 2023 activities and provided a draft for review in January 2024. Staff is also participating on the planning committee for the Summer-Fall Habitat and Salmon Juvenile production independent reviews. Looking forward, the DCG will prepare the draft report by April 2024 and update the Science and Monitoring plan.

Collaborative Adaptation Management Team (CAMT)/Collaborative Science and Adaptive Management Program (CSAMP):

The CAMT reviewed the presentations on the Delta smelt Structured Decision Making, including the initial cost analyses. A draft report is anticipated in February, which will provide a summary of the activities and suggestions for moving the effort forward into 2024. This report will also inform the ESA and CESA consultation efforts.

Additionally, the Salmon Technical Working Group provided the compilation of comments on the draft report for the CAMT Salmon Subteam update to the 2017 Salmon Scoping Team Report. The revised version is anticipated for Spring 2024. The next Reorienting to Recovery (R2R) workshop is scheduled for Spring 2024.

ESA Consultation for the Long-Term Operations of the CVP and SWP

A second draft of the EIS is anticipated to be released for Cooperating Agency review in mid- to late February 2024. This draft is delayed to allow for refinements to the CalSim modeling. In addition, the draft Biological Assessments (BA’s) for both aquatic and terrestrial species were provided in mid-November. While there is no formal comment period for the BA’s, staff is reviewing these documents and providing informal comments to Reclamation and the Services.

The National Academies of Sciences, Engineering, and Medicine independent review of the Long-term Water Operations of the CVP and SWP held the first meeting on January 30-31 in Sacramento. The panel was introduced to many aspects of the LTO for the CVP and SWP. Staff provided a public comment in support of the review effort and a tour of the Jones Pumping Plant. Information is available at <https://www.nationalacademies.org/our-work/review-of-the-long-term-operations-of-the-central-valley-project>

February 8, 2024

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Science Coordination:

At the January 2024 meeting, the Board approved the Science Plan. Staff revised the draft Science Plan based on the input from the Water Resources Committee and Board. The final Science Plan will be posted to the website in February. The implementation of the Science Plan will assist with the increased coordination on science priorities with the Water Authority members and other agencies.

FRS

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