



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

### 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

- 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](mailto: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
  - Trofholz (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 (USB)
- Wellness Program

## **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.

## **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 10<sup>th</sup> and the Notice to Proceed was issued on May 18<sup>th</sup>. 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 2<sup>nd</sup> 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.



**San Luis & Delta-Mendota Water Authority  
OPERATIONS SUMMARY**

*NOTE: ALL FIGURES ARE IN ACRE FEET*

	<b>December-2023</b>	<b>December-2022</b>
JONES PUMPING PLANT - PUMPED	182,670	86,469
DCI PLANT - PUMPED	0	1,511
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	141,715	72,363
O'NEILL P/G PLANT - GENERATED	0	4,195
DMC DELIVERIES	18,975	3,562
RIVER/WELL/RECYCLE WATER INTO DMC	3,868	9,863
MENDOTA POOL DELIVERIES	18,069	31,672
SHASTA RESERVOIR STORAGE	3,112,700	1,523,700
SAN LUIS RESERVOIR STORAGE	1,147,347	687,554
SLR FEDERAL SHARE	778,702	259,356

	<b>December-2023</b>	<b>December-2022</b>
*SAN LUIS UNIT DELIVERIES	1,118	465
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	218	0

Jones Pumping Plant monthly average = 2,971 cfs



**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
December 2023**

Date: 1/16/24

<u>District/Other</u>	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
<b>Total Pumped @ Jones Pumping Plant</b>	<b>182,670</b>			
<b>Total Pumped @ DCI</b>	<b>0</b>			
<b>Total Reversed @ DCI</b>	<b>0</b>			
City of Tracy		0	639	639
Byron Bethany I.D.		2	1	3
West Side I.D.		0	0	0
Banta Carbona I.D.		0	0	0
West Stanislaus I.D.		774	0	774
Patterson I.D.		27	0	27
Del Puerto W.D.		902	4	906
Central California I.D. - above check #13		37	0	37
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		649	0	649
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		1,154	0	1,154
<b>Total Pumped @ O'Neill PP</b>	<b>(141,715)</b>			
<b>Total Generated @ O'Neill PP</b>	<b>0</b>			
Central California I.D. - below check #13		755	0	755
Grasslands W.D. (76.05-L)		4,151	0	4,151
Fish & Game Los Banos Refuge (76.05-L)		1,205	0	1,205
Fish & Wildlife Kesterson (76.05-L)		1,019	0	1,019
Freitas Unit (76.05-L)		1,083	0	1,083
Salt Slough Unit (76.05-L)		927	0	927
China Island (76.05-L)		715	0	715
San Luis W.D. - below check #13		217	0	217
Panoche W.D.		638	2	640
Eagle Field W.D.		7	0	7
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		1,141	0	1,141
Firebaugh Wasteway Releases (SJRRP)		2,926	0	2,926
River and Groundwater well pump-in	1,584			
North Valley Regional Recycled Water Program	2,284			
<i>Change in Canal Storage</i>	(547)			
<i>Wasteway Flushing and Spill</i>	0			
<i>Total Available in Delta-Mendota Canal</i>	<i>44,276</i>			
<b>TOTAL DELIVERY FROM DELTA-MENDOTA CANAL</b>	<b>(18,975)</b>	<b>18,329</b>	<b>646</b>	<b>18,975</b>
Theoretical DMC Delivery to Mendota Pool	25,301			
Total DMC Metered Delivery to MP	18,974			
Estimated (Loss) or Gain in DMC	(6,327)			
Estimated % Loss or Gain in DMC	-3.40%			



**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
December 2023**

<u>District/Other</u>	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
Estimated DMC Inflow to MP	18,974			
Mendota Pool Groundwater Well Pump-In	0			
(+)SJRRP Releases into Mendota Pool	5,945			
(+)Available Flood Releases from Friant into Mendota Pool	0			
(+)Other San Joaquin River Water	0			
(+)Kings River Flood Releases into Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		426	0	426
Columbia Canal Company (CCC)		0	0	0
Firebaugh Canal Water District (FCWD)		188	0	188
San Luis Canal Company (SLCC)		2,100	0	2,100
<u>Refuge:</u>				
Conveyance Losses				0
Calif Dept of F/G-LB Unit (CCID)		187	0	187
Calif Dept of F/G-LB Unit (SLCC)		1,353	0	1,353
Calif Dept of F/G-Salt Slough Unit (CCID)		144	0	144
Calif Dept of F/G-China Island Unit (CCID)		112	0	112
US Fish & Wildlife-San Luis Refuge (SLCC)		2,231	0	2,231
US Fish & Wildlife-Freitas (CCID)		168	0	168
US Fish & Wildlife-Kesterson (CCID)		158	0	158
Grasslands WD (CCID)		72	0	72
Grasslands WD (SLCC)		1,397	0	1,397
Grasslands (Private)		572	0	572
San Luis WD Conveyance (CCID)		4	0	4
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration Project:</u>				
SJRRP		5,990	0	5,990
<i>Other: (see MP Operations Report)</i>		2,994	0	2,994
<i>Total Available Water in Mendota Pool</i>	24,919			
<b>TOTAL DELIVERY FROM MENDOTA POOL</b>	<b>(18,096)</b>	<b>18,096</b>	<b>0</b>	<b>18,096</b>
*Estimated (Loss) or Gain in Mendota Pool	(6,823)			
*Estimated % Loss or Gain in Mendota Pool	-27.38%			
Total System Delivery	(37,071)			
<b>*Total Estimated System (Loss) or Gain</b>	<b>(13,150)</b>			
<b>*Total Estimated % System Loss or Gain</b>	<b>-6.85%</b>			

**Special Notes: Mendota Pool Dewatering, and Firebaugh Wasteway used for some SJRRP deliveries**



Jones Pumping Plant  
December - 2023

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	2	0801	1832
2	2	CONTINUOUSLY	1826
3	2	CONTINUOUSLY	1821
4	2	CONTINUOUSLY	1816
5	2	CONTINUOUSLY	1811
6	3	CONTINUOUSLY	2672
7	3	CONTINUOUSLY	2674
8	4	CONTINUOUSLY	3403
9	4	CONTINUOUSLY	3399
10	4	CONTINUOUSLY	3398
11	4	CONTINUOUSLY	3402
12	4	CONTINUOUSLY	3414
13	4	CONTINUOUSLY	3417
14	4	CONTINUOUSLY	3415
15	4	CONTINUOUSLY	3220
16	4	CONTINUOUSLY	3428
17	4	CONTINUOUSLY	3414
18	4	CONTINUOUSLY	3398
19	4	CONTINUOUSLY	3409
20	4	CONTINUOUSLY	3411
21	4	CONTINUOUSLY	3404
22	4	CONTINUOUSLY	3412
23	4	CONTINUOUSLY	3413
24	4-3	0355	2796
25	3	CONTINUOUSLY	2681
26	3	CONTINUOUSLY	2671
27	3	CONTINUOUSLY	2668
28	3	CONTINUOUSLY	2700
29	3	CONTINUOUSLY	2669
30	4	CONTINUOUSLY	3555
31	4	CONTINUOUSLY	3549
<b>AVG CFS for the month</b>			<b>2971</b>



**NON-PROJECT WATER CREDITS REPORT**  
 (ALL FIGURES IN ACRE FEET)  
 December 2023 WA Credits

Date: 1/11/24

<b>CREDITS UNDER WARREN ACT CONTRACTS</b>									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
3.32-R1	0	0	1	0	BBID	0	0	0	0
3.32-R2	0	0	1	0	BBID	0	0	0	0
3.32-R3	12,924	12,924	1	0	BBID	0	0	0	120
13.31-L	4,804	4,804	1	0	BBID	0	0	0	0
15.11-R	2,974	2,974	1	0	BBID	0	0	0	0
20.42-L	46,606,100	46,683,346	1	0	BCID	0	0	0	9,500
20.42-L	46,606,100	46,683,346	1	0	USBR/FWA	0	0	0	5,619
21.12-L	990	990	1.01	0	DPWD	0	0	0	0
21.86-L	770	770	1	0	DPWD	0	0	0	0
24.38-L	3,081	3,081	1	0	DPWD	0	0	0	0
29.95-R	1,342	1,342	0.87	0	DPWD	0	0	0	0
30.43-L	7,464	7,464	1	0	DPWD	0	0	0	0
30.43-R	2,123	2,123	0.92	0	DPWD	0	0	0	0
30.95-L	2,150	2,150	1.03	0	DPWD	0	0	0	0
31.31-L1	87,784	87,784	1	0	WSTAN	0	0	0	0
31.31-L2	87,784	87,784	1	0	DPWD	0	0	0	0
31.31-L3	87,784	87,784	1	0	PID	0	0	0	0
31.60-L	8,183	8,183	0.93	0	DPWD	0	0	0	0
32.35-L	1,794	1,794	0.86	0	DPWD	0	0	0	0
33.71-L	753	753	0.94	0	DPWD	0	0	0	0
36.80-L	1,849	1,849	1	0	DPWD	0	0	0	0
37.10-L	3,870	3,870	0.94	0	DPWD	0	0	0	0
37.32-L	2,653	2,653	0.91	0	DPWD	0	0	0	0
42.50-R	1,034	1,034	0.96	0	DPWD	0	0	0	0
42.53-L	7,154,958	7,217,823	1	0	PID	0	0	0	0
42.53-L	7,154,958	7,217,823	1	0	DPWD	0	0	0	0
42.53-L	7,154,959	7,223,976	1	0	USBR/FWA	1,443	0	1,443	8,824
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	028	028	1	0	SLWD	0	0	0	0
50.46-L	6,025	6,025	1.07	0	DPWD	0	0	0	0
51.00-R	297	297	0.89	0	DPWD	0	0	0	0
51.66-L	3,434	3,434	0.98	0	DPWD	0	0	0	0
52.40-L	1,496	1,496	1	0	DPWD	0	0	0	0
58.28-L	3,371	3,371	1.02	0	SLWD	0	0	0	0
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	494	494	1	0	DPWD	0	0	0	0
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
<b>UPPER DMC SUB TOTAL</b>								<b>1,443</b>	<b>24,063</b>



**NON-PROJECT WATER CREDITS REPORT**

(ALL FIGURES IN ACRE FEET)

December 2023 WA Credits

<b>CREDITS UNDER WARREN ACT CONTRACTS</b>									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
78.31-L	4,469	4,469	1.08	0	SLWD	0	0	0	0
79.12-R	5,812	5,812	0.91	0	SLWD	0	0	0	0
79.13-L	1,164	1,164	1	0	SLWD	0	0	0	0
79.13-R	4,964	4,964	1.08	0	SLWD	0	0	0	0
79.60-L	5,979	5,979	0.84	0	SLWD	0	0	0	0
80.03-L	834	834	0.94	0	SLWD	0	0	0	0
80.03-R	717	717	1.05	0	SLWD	0	0	0	0
98.60-R	14,194	14,194	1	0	PANOCH/MS	0	0	0	0
98.74-L	5,695	5,695	1.14	0	PANOCH/MS	0	0	0	0
99.24-L	10,493	10,493	0.92	0	PANOCH/MS	0	0	0	0
100.70-L	6,211	6,211	1	0	PANOCH/MS	0	0	0	0
102.04-R	4,088	4,088	1	0	WIDREN WD	0	0	0	0
<b>LOWER DMC SUB TOTAL</b>								<b>0</b>	<b>0</b>
<b>WARREN ACT CONTRACT CREDIT TOTAL</b>								<b>1,443</b>	<b>24,063</b>
<b>TOTAL GROSS PUMP-IN</b>								<b>CREDIT</b>	
<b>TOTAL (BYRON BETHANY IRRIGATION DISTRICT)</b>						0		0	0
<b>TOTAL (BANTA CARBONA IRRIGATION DISTRICT)</b>						0		0	0
<b>TOTAL (DEL PUERTO WATER DISTRICT)</b>						0		0	0
<b>TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)</b>						0		0	0
<b>TOTAL (PATTERSON IRRIGATION DISTRICT)</b>						0		0	0
<b>TOTAL (SAN LUIS WATER DISTRICT)</b>						0		0	0
<b>TOTAL (PANOCH/MS WATER DISTRICT)</b>						0		0	0
<b>TOTAL (MERCY SPRINGS WATER DISTRICT)</b>						0		0	0
<b>TOTAL (WIDREN WATER DISTRICT)</b>						0		0	0
<b>Other Warren Act Conveyance Credit Totals</b>									
<b>Del Puerto Water District:</b>						0		0	0
<b>Banta Carbona Irrigation District:</b>						0		0	9,500
<b>West Stanislaus Irrigation District:</b>						0		0	0
<b>Byron Bethany Irrigation District:</b>						0		0	120
<b>Patterson Irrigation District:</b>						0		0	0
<b>San Joaquin River Restoration Pump Back BCID:</b>						0		0	5,619
<b>San Joaquin River Restoration Pump Back PID:</b>						1,443		1,443	8,824

Notes: 3.32-R, 20.42-L, 31.31-L and 42.53-L are River water



**MENDOTA POOL OPERATIONS**  
**2023**  
 ALL FIGURES IN ACRE-FEET

Date: 1/8/2024

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FRESNO SLOUGH	0	60	0	95	61	84	95	137	54	1	30	0	617
TPUD	0	18	0	0	0	7	19	20	5	0	0	0	69
JAMES I.D.	916	2,156	0	28	1,028	1,221	2,413	1,750	1,475	5,193	4,048	1,446	21,674
MEYERS	0	0	876	1,638	2,114	2,437	1,868	646	1,448	1,412	1,327	239	14,005
M.L. DUDLEY & INDART <sup>1</sup>	0	0	206	182	395	414	647	657	0	0	4	25	2,530
MID VALLEY (Kings River)	0	0	0	1,446	1,949	2,756	1,688	0	0	0	0	0	7,839
REC. DIST. 1606	0	0	0	0	0	0	0	0	0	0	0	0	0
STATE FISH & WILDLIFE	199	1,119	42	7	448	463	902	1,478	2,557	5,004	2,271	915	15,405
TRACTION	170	566	56	0	0	258	237	369	441	852	1,202	289	4,440
UNMETERED	40	125	0	0	20	90	300	350	525	250	125	80	1,905
<b>Total</b>	<b>409</b>	<b>1,810</b>	<b>98</b>	<b>7</b>	<b>468</b>	<b>811</b>	<b>1,439</b>	<b>2,197</b>	<b>3,523</b>	<b>6,106</b>	<b>3,598</b>	<b>1,284</b>	<b>21,750</b>
COELHO FAMILY TRUST <sup>2</sup>	0	18	0	474	916	1,663	994	190	526	230	448	0	5,459
TRANQUILITY I.D.	0	678	197	1,261	2,468	3,968	4,703	2,737	1,476	1,200	661	0	19,349
WESTLANDS LATERAL-6	0	0	0	0	0	0	34	0	0	0	0	0	34
WESTLANDS LATERAL-7	610	477	2,160	2,326	56	461	512	0	0	0	0	0	6,602
CARVALHO TRUST	0	0	0	41	80	91	92	49	26	52	41	0	472
<b>TOTAL</b>	<b>1,935</b>	<b>5,217</b>	<b>3,537</b>	<b>7,498</b>	<b>9,535</b>	<b>13,913</b>	<b>14,504</b>	<b>8,383</b>	<b>8,533</b>	<b>14,194</b>	<b>10,157</b>	<b>2,994</b>	<b>100,400</b>

NUMBERS SHOWN IN **BOLD** WERE REVISED AFTER DISTRIBUTION OF REPORT

<sup>1</sup> aka COELHO-GARDNER-HANSEN <sup>2</sup> aka TERRA LINDA FARMS

**Article 215 Water**

- March Westlands WD 2,160 AF
- March Meyers 90 AF
- April Westlands WD 2,326 AF
- April Meyers 90 AF
- May Westlands WD 56 AF

**Kings River Water**

- February Tranquility ID 44 AF
- March Tranquility ID 197 AF
- March Meyers 486 AF
- April Tranquility ID 1,261 AF
- April Mid Valley 1,446 AF
- April Meyers 1,548 AF
- April James ID 28 AF
- April Coelho Trust 74 AF

- May Tranquility ID 2,468 AF
- May Mid Valley 1,949 AF
- May Meyers 2,114 AF
- May James ID 1,028 AF
- May Triangle T WD 1,503 AF
- May Coelho Trust 613 AF
- May Dudley-Indart 56 AF
- June Tranquility ID 3,968 AF
- June Mid Valley 2,756 AF
- June Meyers 2,437 AF
- June James ID 1,221 AF
- June Triangle T WD 1,529 AF
- June Westlands WD 461 AF
- June Coelho Trust 1,303 AF

- July Tranquility ID 1303 AF
- July Mid Valley 1688 AF
- July Meyers 1868 AF
- July James ID 2413 AF
- July Coelho Trust 761 AF
- July Dudley-Indart 638 AF
- Aug James ID 1,750 AF
- Aug Tranquility ID 918 AF
- Sept James ID 583 AF

Duck Clubs (Percent Full)

BECK	120	PATOS	COLE	TRANQUILITY	1 ACRE
0%	100%	100%	0%	100%	0%

- Jan, 2023  
DMC Inflow 3,372 AF  
James Bypass Flows 0 AF
- Feb, 2023  
DMC Inflow 18672 AF  
James Bypass Flows 1,619 AF
- Mar, 2023  
DMC Inflow 2,341 AF  
James Bypass Flows 162,266 AF
- Apr, 2023  
DMC Inflow 0 AF  
James Bypass Flows 247,471 AF

- May, 2023  
DMC Inflow 0 AF  
James Bypass Flows 248,598 AF
- June, 2023  
DMC Inflow 0 A.F  
James Bypass Flows 193,992 AF
- July, 2023  
DMC Inflow 23,852 AF  
James Bypass Flows 104,100 AF
- Aug, 2023  
DMC Inflow 105,324 AF  
James Bypass Flows 2,668 AF

- Sept, 2023  
DMC Inflow 93,186 AF  
James Bypass Flows 583 AF
- Oct, 2023  
DMC Inflow 99,143 AF  
James Bypass Flows 0 AF
- Nov, 2023  
DMC Inflow 62,761 AF  
James Bypass Flows 0 AF
- Dec, 2023  
DMC Inflow 18,974 AF  
James Bypass Flows 0 AF





SAN LUIS & DELTA-MENDOTA WATER AUTHORITY  
 METER READINGS-MENDOTA POOL  
 NON PROJECT WELLS  
 Dec-23

Date: 1/8/24

TURNOUT	START METER READING	END METER READING	FACTOR	ADJUST	COMMENTS	TOTAL	LESS 5%	MONTH	YEAR
TL-1	174	174	1.1			0	0	0	0
TL-2	182	182	0.95			0	0	0	0
TL-3	827	827	1			0	0	0	0
TL-4	988	988	0.85			0	0	0	0
TL-5	466	466	0.93			0	0	0	0
TL-6	209	209	0.95		No Meter	0	0	0	0
TL-7	0	0	1			0	0	0	0
TL-8	18	18	1			0	0	0	0
TL-9	46	46	1			0	0	0	0
TL-10	0	0	0.94			0	0	0	0
TL-11	0	0	1			0	0	0	0
TL-12	0	0	1			0	0	0	0
TL-13	173	173	0.88			0	0	0	0
TL-14	1,158	1,158	0.88			0	0	0	0
TL-15	929	929	0.89			0	0	0	0
TL-16	030	030	1.13			0	0	0	0
TL-17	962	962	0.71			0	0	0	0
TL-18	556	556	0.92			0	0	0	0
TL-19	342	342	1			0	0	0	0
TL-20	10	10	1			0	0	0	0
TL-21	2,196	2,196	1			0	0	0	0
TL-22	4,266	4,266	1			0	0	0	0
TL-23	896	896	1		No Meter	0	0	0	0
TL-24	866	866	1			0	0	0	0
TL-25	473	474	1	-1		0	0	0	0
TL-26	832	832	1			0	0	0	0
SUB TOTAL (TERRA LINDA)								0	0
CGH-1	885	885	1		No Meter	0	0	0	0
CGH-2	260	260	1		No Meter	0	0	0	0
CGH-3	125	125	1		No Meter	0	0	0	0
CGH-4	0	0	1			0	0	0	0
CGH-5	0	0	1			0	0	0	0
CGH-6	4,605	4,605	1.91			0	0	0	428
CGH-7	2,607	2,607	0.71			0	0	0	10
CGH-8	0	0	1			0	0	0	0
CGH-9	56	56	1.18		No Meter	0	0	0	0
CGH-10	1,320	1,320	1.09			0	0	0	65
CGH-11	254	254	1			0	0	0	99
SUB TOTAL (COELHO-GARDNER-HANSEN)								0	602
BF-1	3,238	3,238	1			0	0	0	0
BF-2	0	0	1			0	0	0	0
BF-3	0	0	1			0	0	0	0
BF-4	0486	0486	1			0	0	0	0
BF-5	0	0	1			0	0	0	0
SUB TOTAL (BAKER FARMING)								0	0
FWD-1	0	0	1		No Meter	0	0	0	0
FWD-2	0	0	1		No Meter	0	0	0	0
FWD-3	0	0	1		No Meter	0	0	0	0
FWD-4	0	0	1		No Meter	0	0	0	0
FWD-5	0	0	1		No Meter	0	0	0	0
SUB TOTAL (FARMERS WATER DISTRICT)								0	0



SAN LUIS & DELTA-MENDOTA WATER AUTHORITY  
 METER READINGS-MENDOTA POOL  
 NON PROJECT WELLS  
 Dec-23

MEYERS-6	0	0	1	No Meter	0	0	0	0
MEYERS-7	0	0	1	No Meter	0	0	0	0
MEYERS-EW1A	955	955	1	Banked	0	0	0	11
MEYERS-EW1B	1,148	1,148	1	Banked	0	0	0	33
MEYERS-EW2A	300	300	1	Banked	0	0	0	34
MEYERS-EW2B	806	806	1	Banked	0	0	0	28
MEYERS-EW3A	1,355	1,355	1	Banked	0	0	0	27
MEYERS-EW3B	406	406	1	Banked	0	0	0	6
MEYERS-EW5	781	781	1	Banked	0	0	0	52
MEYERS-EW6	016	016	1	Banked	0	0	0	42
MEYERS-EW7	1,468	1,468	1	Banked	0	0	0	55
MEYERS-EW8	808	808	1	Banked	0	0	0	71
MEYERS-EW9	1,515	1,515	1	Banked	0	0	0	67
MEYERS-EW10	157	157	1	Banked	0	0	0	44
MEYERS-EW11	1,103	1,103	1	Banked	0	0	0	37
MEYERS-EW12	361	361	1	Banked	0	0	0	43
MEYERS-EW13	519	519	1	Banked	0	0	0	95
MEYERS-EW14	1,145	1,145	1	Banked	0	0	0	72
MEYERS-M1	1,072	1,072	1		0	0	0	44
MEYERS-DW1	353	353	1		0	0	0	49
MEYERS-DW1A	0	0	1		0	0	0	0
SUB TOTAL (MEYERS FARMING)								810
SILVER CREEK-3B	000	000	1		0	0	0	0
SILVER CREEK-4B	226	226	0.97	No Meter	0	0	0	0
SILVER CREEK-5B	741	741	1	No Meter	0	0	0	0
SILVER CREEK-6B	149	149	1	No Meter	0	0	0	0
SUB TOTAL (SILVER CREEK)								0
FRESNO SLOUGH-1	0	0	1	No Meter	0	0	0	0
FRESNO SLOUGH-2	0	0	1	No Meter	0	0	0	0
FRESNO SLOUGH-3	0	0	1	No Meter	0	0	0	0
FRESNO SLOUGH-4	2,721	2,721	1		0	0	0	0
SUB TOTAL (FRESNO SLOUGH)								0
FCC - FCWD2	0	0	1		0	0	0	0
FCC - FC 40	3,893	3,893	1	No Meter	0	0	0	0
FCC - CITY WELL	750,880	750,880	1		0	0	0	417
FCWD 7	5,465	5,465	1		0	0	0	34
SUB TOTAL (FCWD)								451
FORDEL	8,631	8,631	1		0	0	0	430
COELHO WEST	1,173	1,173	1	No Meter	0	0	0	0
CASACA VINYARDS	4,313	4,313	1	No Meter	0	0	0	0
DPF	276	276	1	No Meter	0	0	0	0
SOLO MIO	025	025	1	No Meter	0	0	0	0
TRANQUILITY-1	7,518	7,518	1	No Meter	0	0	0	0
TRANQUILITY-2	20,359	20,359	1	No Meter	0	0	0	0
TRANQUILITY-3	1,059	1,059	1		0	0	0	0
TRANQUILITY-4	0179	0179	1		0	0	0	0
TRANQUILITY-5	1,715	1,715	1		0	0	0	0
TRANQUILITY-6	2,454	2,454	1		0	0	0	0
TRANQUILITY-7	2,344	2,344	1		0	0	0	0
SUB TOTAL (TID)								0
Carvalho-1	860	860	1		0	0	0	0
Carvalho-2	2,390	2,390	1		0	0	0	0
Carvalho-3	580	580	1		0	0	0	0
SUB TOTAL (CARVALHO TRUST)								0
Etchegoinberry	1,790	1,790	1		0	0	0	79
Yribarren Farms	278	278	1		0	0	0	10
LSK-1	5,683	5,683	1		0	0	0	186
TOTAL (ALL)								2,568

**TABLE 19: GOVERNOR EDMUND G. BROWN CALIFORNIA AQUEDUCT  
SAN LUIS FIELD DIVISION MONTHLY DELIVERIES**

**DECEMBER 2023**

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 218			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	0
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	218
R3 286	13		DFG @ O'Neill Forebay	115
	13		Parks & Rec. @ O'Neill Forebay	1
	13		DWR Water Truck at O'Neill 1 AF for Cattle Program @ O'Neill Forebay	1
	13		Santa Nella County Water District	19
	13		San Luis Water District	150
R4 6158	14		City of Dos Palos	41
	14		Pacheco Water District	176
	14		San Luis Water District	14
	14		Panoche Water District	41
	15		San Luis Water District	0
	15		Panoche Water District	600
	15		Westlands Water District	5286
R5 37167	16		DFG @ Lat. 4L (Pilibos)	0
	16		DFG @ Lat. 4L	0
	16		DFG @ Lat. 6L	0
	16		DFG @ Lat. 7L	0
	16		Westlands Water District	9512
	17		Westlands Water District	4946
	18		City of Coalinga	592
	18		Pleasant Valley Pumping Plant	15082
	18		Westlands Water District	7035
R6 12206	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	1
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 28L,29L,&30L	133
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	12072
R7 16049	20		City of Huron @ Lat. 23R	49
	20		DWR Water Truck @ 23R	0
	20		Westlands Water District	10660
	21		City of Avenal	161
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	5179
72084		0	<---TOTALS--->	72084
<b>TOTALS BY CUSTOMERS</b>				
Inflow Into Aqueduct:				
0 AF TOTAL for PUMP-IN				
0 AF TOTAL for FLOOD				
			Santa Nella County Water District	19
			Pacheco Water District	176
			San Luis Water District	164
			Panoche Water District	641
			Westlands Water District	69772
			AltaGas	0
			City of Huron @ LAT. 23R	49
			City of Huron (P&R/Area 11 @ 22R)	1
			Lemoore N.A.S. thru WWD @ 28L,29L&30L	133
			Kings County thru WWD Laterals in Reach 6	0
			City of Avenal	161
			City of Dos Palos	41
			City of Coalinga	592
			DFG @ O'Neill Forebay	115
			Pacheco Tunnel	218
			DFG @ Lateral 4L & 6L & 7L	0
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	1
		0 AF for DWR Water Truck at O'Neill, 1 AF for Cattle Program @ O'Neill Reservoir		1
<b>Customers Total:</b>				<b>72084</b>
Pool 12 - Reach 2B				
VA Turnout Use AF = 3				
DWR 3137(Rev.9/15)				72087



## Monthly Availability Report

CW "Bill" Jones Pumping Plant

December - 2023

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	0.0	0.00%	0.0	0.00%	100.00%	1	Available all Month
Unit-2	744	109.0	14.65%	0.0	0.00%	85.35%	1	12/5/2023 13:03 JU-2 return from A.M.
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	3	Available all Month
Unit-4	744	0.0	0.00%	188.1	25.28%	74.72%	0	JU-4 Forced Out 12/24/2023 03:55
Unit-5	744	555.0	74.60%	0.0	0.00%	25.40%	1	12/6/2023 unavaialbe for A.M. 12/29 Available and In Service @1145
Unit-6	744	744.0	100.00%	0.0	0.00%	0.00%	0	JU-6 on Clearance all month
Total	4464	1408.0	32%	188.1	4.21%	63.79%	6	

Notes:

(1) Planned maintenance

(2) Emergency outages and maintenance performed with less than 24 hours advance notice



## Monthly Availability Report

O'Neill Pump/Generating Plant  
December - 2023

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	744	0.0	0.00%	0.0	0.00%	100.00%	1	0	Available all Month
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	1	0	Available all Month
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	Available all Month
Unit-4	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	Available all Month
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	1	0	Available all Month
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	1	0	Available all Month
<b>Total</b>	<b>4464</b>	<b>0.0</b>	<b>0%</b>	<b>0.0</b>	<b>0.00%</b>	<b>100.00%</b>	<b>4</b>	<b>0</b>	

Notes:

(1) Planned maintenance

(2) Emergency outages and maintenance performed with less than 24 hours advance notice



## Monthly Availability Report

DCI Pumping Plant

December - 2023

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	5.0	0.67%	0.0	0.00%	99.33%	0	12/15 unavailable @ 0751 Returned to Available @ 0931 Buss work
Unit-2	744	5.0	0.67%	0.0	0.00%	99.33%	0	12/15 unavailable @ 0751 Returned to Available @ 0931 Buss work
Unit-5	744	5.0	0.67%	0.0	0.00%	99.33%	0	12/15 unavailable @ 0751 Returned to Available @ 0931 Buss work
Unit-6	744	5.0	0.67%	0.0	0.00%	99.33%	0	12/15 unavailable @ 0751 Returned to Available @ 0931 Buss work
Total	2976	20.0	1%	0.0	0.00%	99.00%	0	

Notes:

(1) Planned maintenance

(2) Emergency outages and maintenance performed with less than 24 hours advance notice