



December 07, 2023

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for November 2023

**OPERATIONS DEPARTMENT**

The C.W. “Bill” Jones Pumping Plant (JPP) operated with 1-3 units during the first 28 days of November. The average rate of pumping for the JPP was 2,231 cfs during this period.

Total pumping at the JPP for the first 28 days of November was 124,101 acre-feet. The O’Neill Pump/Generating Plant (OPP) generated 3,575 acre-feet, and pumped 52,263 acre-feet during the same period. 0 acre-feet was 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 28 days of November.

The Federal share in the San Luis Reservoir on November 28<sup>th</sup> was 708,142 acre-feet as compared to 190,477 acre-feet for the end of November 2022.

During the first 28 days of November, releases from Friant Dam ranged from 430 to 248 cfs with 8,146 acre-feet entering the Mendota Pool. Flows past the Mendota Dam for the San Joaquin River Restoration Program (SJRRP) were 7,845 acre-feet for the first 28 days of November.

**Canal Operations Department**

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

- Pitot Tube flow measurements at MP’s

15.95 Left	33.07 Right	36.01 Left
36.39 Left	37.33 Left	48.96 Right
84.39 Left	107.85 Left A	107.85 Left B
MP Meyers East Side #1		

- Open Channel flow measurement at various MP’s, Wasteways and River/Outlets

4.98	72.38	76.05	115.90
CCID Main Canal	CCID Outside Canal	Volta Wasteway	

- Serviced flow meters at DMC MP's

13.00 Left	13.25 Right	18.05 Left
19.15 Right	19.18 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	30.96 Right	31.60 Right
31.60 Left	33.90 Right	34.63 Right
35.04 Right	41.03 Left	41.53 Right
41.53 Left	46.02 Right	46.56 Right
46.83 Right		

- Bi-weekly meter readings on all active 200 plus turnouts
- Inspected Wasteways
  - Westley
  - Newman
  - Volta
  - Firebaugh
- Inspect and flush Firebaugh Wasteway for anticipated releases
- Collected water samples at MP 10.62, 20.63, 29.95, 39.21, and 45.77
- Groundwater well soundings
  - Upper DMC Warren Act
  - Lower DMC Warren Act
  - USGS Monitoring 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-63            JPP Unit 6 warranty inspection
- C-23-JP-65            JPP Unit 6 suction elbow inspection
- C-23-ON-68            OPP domestic water tank rehabilitation
- C-23-JP-74            JPP Unit 2 annual maintenance
- C-23-JP-75            JPP Unit 2 & 6 suction elbows
- C-23-ON-76            OPP domestic water tank rehabilitation
- C-23-JP-77            JPP Unit 2 accumulator tank PM
- C-23-JP-78            JPP Unit 6 suction elbow

### **MAINTENANCE DEPARTMENT**

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

#### **Jones Pumping Plant**

##### **Electrical/C&I Maintenance Crews:**

- JPP Unit 6 rewind warranty 5-year stator and rotor inspection
- JPP lighting inspection 4-month PM
- Repair and replace lighting fixtures throughout JPP
- Repair or replace power cables to JPP Machine Shop welder and oil centrifuge

- JPP protective relay research, updates, and troubleshooting
- JPP flood alarm 4-month PM
- JPP ¼ ton monorail hoist electrical 4-month PM
- JPP emergency lighting inspection PM
- Installed power cords and grounds to the new JPP Ironworker
- JPP ½ ton crane hoist 4-month PM

#### Mechanical Maintenance Crews:

- JPP Unit 6 rewind warranty 5-year stator and rotor inspection
- JPP Unit 6 annual maintenance (cooling water)
- JPP Unit 2 annual maintenance (motor)
- JPP Unit 2 annual maintenance (pump)
- JPP Unit 2 annual maintenance (BFV)
- JPP Unit 2 annual maintenance (cooling water)

#### Civil Maintenance Crews:

- None to report

### **O'Neill Pumping/Generating Plant**

#### Electrical/C&I Maintenance Crews:

- OPP annunciator panel test and inspection PM
- OPP CO2 cylinder 4-month PM
- OPP Unit 2 flowmeter display screen troubleshoot and repair
- OPP Unit 3 vane control unit troubleshoot and repair
- OPP Unit 6 flowmeter troubleshoot and repair
- OPP emergency lighting PM
- OPP cathodic protection system test and inspection PM
- OPP domestic water system tank level indicator transmitter replacement
- OPP Station Service battery internal resistance test and inspection PM
- OPP Station Service battery test and inspection PM
- OPP air, heat, and vent system 4-month PM
- OPP domestic water system instrumentation 4-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 1 ton chain hoist crane test and inspection PM
- OPP 65/10 ton bridge crane test and inspection PM
- OPP 3 ton hoist crane test and inspection 4-month PM
- OPP compressed air system LP test and inspection PM
- OPP GFCI test and inspection 4-month PM
- OPP service bay roll up door motor service
- OPP domestic water pump and strainer 4-month PM
- OPP Morris Drill Press install and conduit replacement
- OPP Siphon Building compressor #1 test and inspection 4-month PM
- OPP Siphon Building compressor #2 test and inspection 4-month PM
- OPP Siphon Building primary vacuum pumps 1, 2, and 3 4-month PM
- Machine Shop jet stand plug and lighting upgrade
- OPP UPS battery internal resistance test PM
- OPP Station Service system inspection of FCA, KCA, 52E, and DCA.

### Mechanical Maintenance Crews:

- OPP Unit 2 cooling water pump and Kinney Strainer repairs
- OPP Unit 2 motor/gen ramp testing
- OPP Unit 3 cooling water pump and Kinney Strainer repairs
- OPP Station Service system inspection of FCA, KCA, 52E, and DCA.
- OPP sewage system test and inspection PM
- OPP low pressure air compressor test and inspection PM
- Machine Shop equipment test and inspection 4-month PM
- OPP HVAC system test and inspection PM
- OPP spare cooling water pump and Kinney Strainer repair and rebuild
- OPP 5 ton stop log gantry crane test and inspection PM
- OPP sump pump drain cleaning
- OPP 65 ton bridge crane test and inspection PM
- OPP 65/10 ton crane monthly test and inspection PM
- OPP 3 ton jib crane test and inspection PM
- OPP ½ ton chain hoist crane test and inspection PM
- OPP 1 ton chain hoist crane test and inspection PM
- OPP sump pump inspection PM
- OPP high pressure air compressor test and inspection PM
- OPP shop cleanup and organization
- OPP Water Storage Tank Rehabilitation Project support

### Civil Maintenance Crews:

- OPP Water Storage Tank Rehabilitation Project support

### **DMC/CA Intertie Pumping Plant**

#### Electrical/C&I Maintenance Crews:

- UPS system troubleshoot and repair
- Check 3 Gate, 1 relay failure troubleshoot and repair

#### Mechanical Maintenance Crews:

- None to report

#### Civil Maintenance Crews:

- Monthly generator inspection PM

### **Delta-Mendota Canal**

#### Electrical/C&I Maintenance Crews:

- DMC Checks 13-21 PLC, alarms, and UPS system inspection semi-annual PM
- Check 21 level detector troubleshoot and repair
- LBAO HVAC system general service and repairs
- LBFO entry gate monthly PM
- LBFO HVAC system general service and repairs
- Volta Wells pump motor annual PM
- FWW drive system bi-annual PM

#### Mechanical Maintenance Crews:

- Fabricated lifting bars for the concrete liner repairs at MP 96.82

### Civil Maintenance Crews:

- Mechanical weed control MP 0.09 to 1.38, 16.19 to 24.43, 64.32 to 79.13
- Trash collection from MP 14.80 to 44.26, 105.05 to 109.45
- HazMat Waste inspection PM
- Check 18 damage concrete lining repairs at MP 96.82
- DMS sign repair MP 9.80 to 26.21
- Repair gates and fences along the DMC from MP 68.03 to 71.31
- Grading of DMC roads from MP 0.09 to 1.38
- Cleaned drain inlets at MP 12.09, 12.33, 13.25, 13.45, 13.69, and 13.96
- DMC farm bridge traffic strip replacement at MP 40.37
- Inspection of NWW spalling PM
- LBFO above ground fuel storage tank inspection PM
- Fabricate and install handrails at MP 29.95, 41.03, 74.35, and 86.72
- Cleaned debris from behind check gates from Checks 1-13 PM
- Inspection of all DMC overchutes PM
- Class A driver training
- Monthly cleaning of the meter at MP 115.90 and the surrounding area
- VWW grading
- NWW erosion damage repairs
- NWW fence repair

### Tracy Field Office

#### Electrical/C&I Maintenance Crews:

- 2 ton Monorail Hoist 3-month PM
- TFO Meter Shop lighting inspection 3-month PM
- JPP Domestic Water Treatment Plant replacement project
- TFO Admin HVAC system relocation and repair
- Switchyard lighting inspection 3-month PM
- USBR entry gate troubleshooting and repair
- Canal Maintenance and Vehicle Shop 3-month lighting inspection PM
- SLDMWA entry gate 3-month PM
- E-Shop ½ ton chain hoist 3-month PM
- 1 ton Monorail hoist 3-month PM
- USBR entry gate 3-month PM
- CMT/VMT HVAC system 6-month PM
- Repair cellular and radio antennas on TFO Admin and E-Shop building
- USBR exit gate 3-month PM

#### Mechanical Maintenance Crews:

- JPP Domestic Water Treatment Plant rehab
- Fabricated new tailgate pins for the Vehicle Shop
- Landscaping and irrigation system annual PM

#### Civil Maintenance Crews:

- Water Treatment Plant replacement/repair project
- Landscape and irrigation monthly PM

### Other Activities

- None to report

## **USBR Support Services**

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

- Fabricated stainless steel mounting plate keeper pins for USBR

## **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
  - Adding U3 & U4 functionality and visibility to SCADA
  - Working on PLC construction drawings
  - Network wiring landed and tested
- Operator C station development
- DMC work on PLC replacement plan for check structures
- DMC check motor replacement
- OPP trash rack for industrial water inlet
- JPP Unit 6 warranty inspection work
- JPP Unit 6 ramp test
- Research to replace ammeters in UZ11A
- JPP unit wheel pit float switch replacements
- TFO water system bladder tank air compressor replacement
- DCI HV bushings replacement
- UZ11A F19 relay troubleshooting
- DCI, TFO, OPP transformers oil analysis
- OPP Unit 2 ramp test

## **Land Management Activity Summary:**

The Engineering staff issued one (1) Access Permit this month:

- Access Permit P2402024 issued to Del Puerto Water District for a temporary turnout at MP40.00-R and was amended to extend the expiration date to January 31, 2024.

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
- Land lease request from South Valley Water Resources Authority
- PID new proposed turnout near MP43.25
- Santa Nella WD pipeline installation
- Caltrans bridge inspection report management

## **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 November to all SLDMWA staff:
  - 11-1-2023 Defensive Driving
  - 11-2-2023 Fire Prevention
  - 11-3-2023 Basic First Aid
  - 11-4-2023 Hearing Conservation

- Provided Safety Message for November 2023 Newsletter
  - It Was Just an Accident
- Scheduled annual hearing tests for selected employees
- Conducted new hire safety orientation for Brandon Hearne, Control Operator
- Provided Fire Extinguisher training during Quarterly Safety Meeting
- Review contractor Job Hazard Analysis with contractors: American Asphalt
- Scheduled Hazardous Waste pickup from OPP and TFO
- Conducted Accident Investigation

## **PROCUREMENT AND WORK & ASSET MANAGEMENT DEPARTMENT**

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

- WAM Staff attended quarterly safety meeting and Fire Extinguisher training
- Completed Contract Specialist 12-month Probationary Appraisal
- WAM Manager and Contract Specialist attended a public works seminar
  - Contracts/PO Agreements/LOA's Status Update:F24-OPP-003 Plant Water Storage Tank Rehab – Contract executed with work ongoing. Change Order 1 processed due to unanticipated quality of the tank
  - F24-OPP-013 UPS Battery Replacement – Quote received, pending PO for materials
  - F24-OPP-009 Station Battery Replacement – Quote received, pending PO for materials
  - 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 ongoing
  - F24-DMC-014 Flowmeter Phase 3 – Contract executed on 11/16/23
  - F24-ALL-020 Fire Sprinkler Inspection – Pre-solicitation stage, pending SOW update from Project Manager
  - F24-JPP-025 JPP Pipe Inspection – Ongoing service
  - F24-TFO-024 Tracy Warehouse Roof Reseal – Bids received, pending Project Manager award approval
  - F24-LBFO-026 Supply and Delivery of Pesticides – Contract executed 11/13/23
  - F24-DMC-027 MP 96.82 Emergency Liner Repair – Contract executed 11/13/23
  - F24-DMC-028 Check 18 Void Repair Crane Rental – Contract executed 11/02/23
  - F24-LBAO-029 Auditing Services – Ongoing solicitation
  - F24-JPP-030 JPP Unit 6 Rotor Repair – Finalizing drafted agreement

### **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
- Bi-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
- Renewed AT&T contract for POTS lines

### General Network & Desktop Support:

- While IT Officer was on vacation the SCADA team and outside support assisted with routine repairs with remote assistance from IT Officer
- 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 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
- Developed a connection to existing security cams to be viewed on new security screens until all cameras are swapped
- Reviewed "Decision Document" from USBR through multiple meetings on this topic
- Added second display to HR Director desk
- Second display set up for Electrical Foreman in TFO

### 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 or move to Sentinel One
  - Security updates on Servers
  - Monitor Firewall
  - Monitor Darktrace appliance reporting
  - Update additional AV security settings
  - (MFA) Multi Factor Authentication vendor SurePassID
  - 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
- Continue to Troubleshoot Email autodiscover issues
- Water Operations iPads and new app deployments via MDM
- Deployment of Office 2021
- Gate control planning
- 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

## **HUMAN RESOURCE DEPARTMENT**

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

### **General Administrative Activities:**

- Active Recruitments
  - None to report
- Closed Recruitments
  - None to report
- Candidates Selected
  - None to report
- Skills Testing
  - None to report
- New Hire Orientations
  - Control Operator (1)

### **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

## **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 is now taking 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 and is managing the \$2.4M CDM Smith Feasibility Study contract, and the \$2.7M Terracon Geotechnical contract. This month, the Feasibility Team held a Technical Workshop with the USBR policy group and reviewers, and incorporated review comments where applicable. A Final Draft Feasibility Study Report has been prepared and submitted to USBR for Policy review with an anticipated 90 day review. CDM Subconsultants submitted the Wetland Delineation and Archeological reports, and staff will begin reviewing these reports and submit comments where applicable. These documents support the environmental and permitting efforts and have no bearing on the Feasibility Study. Geotechnical consultant Terracon has completed all field explorations and will begin demobing. Terracon/USBR/WA will setup a coordination meeting as the focus transitions to the lab testing and reporting portion of the contract. USBR is requesting additional services to have Terracon prepare foundation design recommendations. USBR has prepared a draft SOW for SLDMWA review. A new proposal is anticipated to be prepared in support of a new contract over the next couple of reporting periods. Staff will begin reviewing Caltrans requirements and look 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 deliverables are typically prepared years in advance of project approvals.

Numerous design data collection efforts have been coordinated and continue to be discussed. Looking towards the fall, USBR will visit the Lower DMC to assess conditions of the DMC embankments during the planned Mendota Pool dewatering. The assessment will include a photogrammetric survey to capture topographic data of the Lower DMC canal prism.

Staff & USBR developed USBR a funding agreement and project management plan for the final design of the Upper DMC rehabilitation and will seek Board approval at the December meeting.

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

The SLDMWA continues to provide support to Reclamation as they manage the construction contract with Unico Services to install the two additional pumps at the DMC/CA Intertie Pumping Plant (DCI). All field work and commissioning has been completed. USBR is awaiting spare parts from the contractor to issue final acceptance. SLDMWA activities to integrate the pumps into SCADA are in progress.

### DMC Turnout Flowmeter Upgrade Program – Phase 3 (FY23)

Status: The contract agreement for the needed flowmeters in phase 3 has been executed and a notice to proceed has been issued to McCrometer. 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 January. The contract agreement is set to be completed by summer 2024.

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

Status: Retention invoice was received and was submitted to accounting for payment.

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

Status: Staff mobilized this month to prepare for emergency repairs of the concrete lining located just downstream of the Check 18 structure. Large voids were discovered after the concrete lining had slipped and a dive inspection was conducted. Dive and Crane services were contracted, plans were prepared and material was ordered for the Emergency Repair. Construction began on the 13<sup>th</sup> with the removal of the damaged liner and pouring of new underwater concrete to fill the voids on the floor. The concrete was allowed to set over the holiday and crews are currently repairing the embankment. The final embankment repair is anticipated to be completed by 12/1.

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

Status: Use of the Emergency Reserve Fund was approved by Reclamation this month. Site work will be scheduled when flows decrease in the Upper DMC.

### **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 separate LOA has been executed to fund the repayment negotiations, and SLDMWA is awaiting Reclamation to schedule a meeting. Staff is currently working with Reclamation to resolve issues regarding the communication protocols that will be incorporated into the design.

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

### 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 is preparing the final invoices for the project.

### TSY Switchgear Building UZ11A Repairs (Unplanned Project)

Status: No activity this month. A ground fault incident occurred in October 2021 that damaged the main feeder switchgear and bushing box in switchgear building UZ11A. Partial repairs were made, and the building is currently energized via adjacent switchgear building UZ8A (or UZ6A depending on circumstance). A two-phased contract was issued to Powell, the original designer and installer of the switchgear building, to supply repair materials (Phase 1), and perform the onsite repair work (Phase 2). Phase 1 supply contract has been completed, which included supplying the replacement bushing box, CTs, surge arresters, other damaged components. CVO has provided approval for the two unit outage (U2 & U6). These units are the units connected to the UZ11A Switchgear Building.

Powell started on the repairs for UZ11A on September 18, 2023 and completed them on September 26, 2023. SLDMWA supported Powell with tools, operating heavy equipment, and technician assistance with relay tests. Tasks included replacing bushing box, one set of CTs, bus bars and connections, surge arresters, modifications to seal bottom openings, installing rain hoods, electrical tests of protective relays, power circuit breakers, PTs, CTs, ammeters, voltage circuits, and CT circuits. Powell and SLDMWA worked through the week days and Saturday.

Commissioning was performed September 27<sup>th</sup> to 30<sup>th</sup> and several issues were encountered with the PTs, the relay settings, and with how the information transmits to WAPA. In order to make the pumps available again, the power was again routed through the adjacent switchgear building as a temporary configuration. Powell is scheduled to mobilize back to resolve all outstanding issues the week of January 8, 2024.

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

Status: No activity this month. Project is currently in the planning and design phase. Technical specifications that incorporate the Geotechnical Report prepared by a consultant are approximately 70% complete, with the design drawings 100% complete. Once all technical specifications have been completed, a schedule will be developed for the solicitation and construction phases.

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

### **Jones Pumping Plant Unit 6 Rewind Warranty Inspection**

Status: JPP Unit 6 was due for its 5 year warranty inspection following its rewind which was completed in 2018. The rotor was removed and placed in the Machine Shop for the inspection. NEC completed the inspection of the stator; no problems were noted other than slight damage to the air gap sensors installed during the contract work. NOTE: These sensors were only installed on Unit 6. Engineering staff recommended the sensors be removed due to them being inoperable and the potential of causing additional damage if they became dislodged. The sensors were removed by NEC and no damage was observed to the stator. The unit rotor inspection was conducted and it was observed that there were several cracks in the lower amortisseur shorting ring (original equipment), these shorting bars were not replaced during the rewind and it is recommended that they be replaced before the unit is returned to service. An emergency work order has been authorized by the Board of Director's for the repair and work will be contracted to NEC and is scheduled to be completed in February 2024. Unit 6 should be returned to service by 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.

To date, 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 are working 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 is planned in December which will not require an outage. CEI, TSC, & SLDMWA continued to work on submittals required for the inspection, pre-design meeting, materials, and designs.

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

Status: The Water Authority is moving forward with the projects included in the 10 Year Plan, with many of them identified to be included in an upcoming BIL application. Staff is in the process of developing design and construction cost estimates for the following projects; 1. Unit Woodward Governor Replacement, 2. Unit Rotor & Stator Rewind, 3. Pump Bowl Replacement Program, and 4. Pump Assembly & Penstock Rehabilitation Program.

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

### OPP UPS Battery Charging System Replacement (FY22)

Status: Staff is working on issuing a PO to purchase the materials required for the replacement, with the installation planned to take place during the already planned OPP outage in the spring. Further discussions are required to determine the scope of work for the installation.

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

Status: Staff is working on issuing a PO to purchase the materials required for the replacement, with the installation planned to take place during the already planned OPP outage in the spring. Further discussions are required to determine the scope of work for the installation.

### OPP Plant Water Storage Tanks Rehabilitation (FY24)

Status: The contract was awarded to FD Thomas on September 15<sup>th</sup> with the Notice to Proceed issued on October 18, 2023. To date, contractor has completed the work on the 80,000 gallon tank. The contractor has removed the existing coating of the 40,000 gallon tank and is finishing the application of the interior tank coating. The contract will be completed the week ending 12/1/23.

### OPP Cooling Water System Rehabilitation Design (FY24)

Status: Design will be performed using internal staff. Rehabilitation is anticipated to be a replacement in kind, with minor modernizations and improvements. Because in-depth design services will not be required, the Board has approved a portion of the design budget to be allocated to supplement construction agreement costs of the OPP Plant Water Storage Tanks Rehabilitation. Upgrades of the installations are planned to occur during the OPP Transformer Rehabilitation outage next Spring and staff is focusing on purchasing the long lead items.

### 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 pouring 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. The pilot plant will be installed in January or February of 2024.

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

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

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

Status: Replacement water treatment equipment was received in early November 2023. To date, the building has been rehabilitated with a new roof and new paint and the grading of the surrounding area has been completed. The water treatment equipment will be replaced in phases. Phase #1, and #2 have been completed. These phases represent the primary water treatment equipment (Multi Media Filters, GAC Filters, RO membrane skids). The remaining phases 3-6, will be completed by December 15, 2023. The California state water board is scheduled to inspect the water treatment plant in on December 18, 2023.

Controls parts have been ordered and received. PLC program has been rewritten and is being tested prior to install. The HMI program is being developed for local visual and control.

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

Status: Site work was completed in October. Received final invoice from American Asphalt and was submitted to accounting for payment.

### **MULTIPLE FACILITIES**

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

Status: 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.

#### **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>October-2023</b>	<b>October-2022</b>
JONES PUMPING PLANT - PUMPED	138,393	63,333
DCI PLANT - PUMPED	3,464	0
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	21,805	3,326
O'NEILL P/G PLANT - GENERATED	25,157	46,605
DMC DELIVERIES	43,082	38,768
RIVER/WELL/RECYCLE WATER INTO DMC	5,766	4,869
MENDOTA POOL DELIVERIES	89,659	60,870
SHASTA RESERVOIR STORAGE	3,146,500	1,414,200
SAN LUIS RESERVOIR STORAGE	1,323,121	501,134
* FEDERAL SHARE	714,688	187,957

	<b>October-2023</b>	<b>October-2022</b>
*SAN LUIS UNIT DELIVERIES	99,448	20,400
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	12,743	8,742

Jones Pumping Plant monthly average = 2,251 cfs



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

Date: 11/16/23

<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>138,393</b>			
<b>Total Pumped @ DCI</b>	<b>(3,464)</b>			
<b>Total Reversed @ DCI</b>	<b>0</b>			
City of Tracy		0	1,101	1,101
Byron Bethany I.D.		169	2	171
West Side I.D.		0	0	0
Banta Carbona I.D.		35	0	35
West Stanislaus I.D.		122	0	122
Patterson I.D.		116	0	116
Del Puerto W.D.		4,342	17	4,359
Central California I.D. - above check #13		463	0	463
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		1,804	0	1,804
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		14,593	0	14,593
<b>Total Pumped @ O'Neill PP</b>	<b>(21,805)</b>			
<b>Total Generated @ O'Neill PP</b>	<b>25,157</b>			
Central California I.D. - below check #13		351	0	351
Grasslands W.D. (76.05-L)		14,614	0	14,614
Fish & Game Los Banos Refuge (76.05-L)		1,173	0	1,173
Fish & Wildlife Kesterson (76.05-L)		1,214	0	1,214
Freitas Unit (76.05-L)		921	0	921
Salt Slough Unit (76.05-L)		627	0	627
China Island (76.05-L)		52	0	52
San Luis W.D. - below check #13		420	0	420
Panoche W.D.		857	2	859
Eagle Field W.D.		60	0	60
Oro Loma W.D.		2	0	2
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		25	0	25
River and Groundwater well pump-in	3,535			
North Valley Regional Recycled Water Program	2,231			
Change in Canal Storage	(99)			
Wasteway Flushing and Spill	0			
<b>Total Available in Delta-Mendota Canal</b>	<b>143,948</b>			
<b>TOTAL DELIVERY FROM DELTA-MENDOTA CANAL</b>	<b>(43,082)</b>	<b>41,960</b>	<b>1,122</b>	<b>43,082</b>
Theoretical DMC Delivery to Mendota Pool	100,866			
Total DMC Metered Delivery to MP	99,143			
Estimated (Loss) or Gain in DMC	(1,723)			
Estimated % Loss or Gain in DMC	-1.02%			



**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
October 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	99,143			
Mendota Pool Groundwater Well Pump-In	404			
(+)SJRR Releases into Mendota Pool	7,145			
(+)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)		18,916	0	18,916
Columbia Canal Company (CCC)		6,475	0	6,475
Firebaugh Canal Water District (FCWD)		2,204	0	2,204
San Luis Canal Company (SLCC)		9,196	0	9,196
<u>Refuge:</u>				
Conveyance Losses		4,556	0	4,556
Calif Dept of F/G-LB Unit (CCID)		1,037	0	1,037
Calif Dept of F/G-LB Unit (SLCC)		2,298	0	2,298
Calif Dept of F/G-Salt Slough Unit (CCID)		555	0	555
Calif Dept of F/G-China Island Unit (CCID)		47	0	47
US Fish & Wildlife-San Luis Refuge (SLCC)		4,875	0	4,875
US Fish & Wildlife-Freitas (CCID)		814	0	814
US Fish & Wildlife-Kesterson (CCID)		1,074	0	1,074
Grasslands WD (CCID)		8,838	0	8,838
Grasslands WD (SLCC)		2,980	0	2,980
Grasslands (Private)		4,094	0	4,094
San Luis WD Conveyance (CCID)		58	0	58
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration Project:</u>				
SJRRP		7,448	0	7,448
<i>Other: (see MP Operations Report)</i>		14,194	0	14,194
<i>Total Available Water in Mendota Pool</i>	106,692			
<b>TOTAL DELIVERY FROM MENDOTA POOL</b>	<b>(89,659)</b>	<b>89,659</b>	<b>0</b>	<b>89,659</b>
*Estimated (Loss) or Gain in Mendota Pool	(17,033)			
*Estimated % Loss or Gain in Mendota Pool	-15.96%			
Total System Delivery	(132,741)			
<b>*Total Estimated System (Loss) or Gain</b>	<b>(18,756)</b>			
<b>*Total Estimated % System Loss or Gain</b>	<b>-10.61%</b>			

**Special Notes:**

**Check 18 gates cleared to protect damaged liner area at MP 96.81 Right**



Jones Pumping Plant  
October - 2023

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	4	CONTINUOUSLY	3455
2	4	CONTINUOUSLY	3457
3	4	CONTINUOUSLY	3460
4	4-0-4-3	1436,1500,2152	3334
5	3-4	0901	3196
6	4-5	0901	4000
7	5	CONTINUOUSLY	4288
8	5	CONTINUOUSLY	4284
9	5	CONTINUOUSLY	4323
10	5-4	1339	3462
11	4	CONTINUOUSLY	3485
12	3	CONTINUOUSLY	2651
13	3	CONTINUOUSLY	2645
14	3	CONTINUOUSLY	2646
15	3-0-3	0717,1230	2056
16	3	CONTINUOUSLY	2645
17	3	CONTINUOUSLY	2639
18	2	CONTINUOUSLY	1809
19	1	CONTINUOUSLY	921
20	1	CONTINUOUSLY	923
21	1	CONTINUOUSLY	924
22	1	CONTINUOUSLY	922
23	1	CONTINUOUSLY	921
24	1	CONTINUOUSLY	919
25	1	CONTINUOUSLY	918
26	1	CONTINUOUSLY	917
27	1	CONTINUOUSLY	914
28	1	CONTINUOUSLY	915
29	1	CONTINUOUSLY	915
30	1	CONTINUOUSLY	914
31	1	CONTINUOUSLY	916
<b>AVG CFS for the month</b>			<b>2251</b>



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

Date: 11/6/23

<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	46,124,099	46,586,806	1	0	BCID	1,420	(71)	1,349	9,500
20.42-L	46,124,099	46,586,806	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	87,783	87,784	1	(1)	WSTAN	0	0	0	0
31.31-L2	87,783	87,784	1		DPWD	0	0	0	0
31.31-L3	87,783	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	7,007,249	7,102,452	1	0	PID	0	0	0	0
42.53-L	7,007,249	7,102,452	1	0	DPWD	0	0	0	0
42.53-L	7,007,249	7,102,452	1	0	USBR/FWA	2,186	0	2,186	6,176
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>3,535</b>	<b>21,414</b>



## NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

October 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>3,535</b>	<b>21,414</b>
<b>TOTAL GROSS PUMP-IN</b>								<b>CREDIT</b>	
<b>TOTAL (BYRON BETHANY IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (BANTA CARBONA IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (DEL PUERTO WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (PATTERSON IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (SAN LUIS WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (PANOCH/MS WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (MERCY SPRINGS WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (WIDREN WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>Other Warren Act Conveyance Credit Totals</b>									
<b>Del Puerto Water District:</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>Banta Carbona Irrigation District:</b>						<b>1,420</b>		<b>1,349</b>	<b>9,500</b>
<b>West Stanislaus Irrigation District:</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>Byron Bethany Irrigation District:</b>						<b>0</b>		<b>0</b>	<b>120</b>
<b>Patterson Irrigation District:</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>San Joaquin River Restoration Pump Back BCID:</b>						<b>0</b>		<b>0</b>	<b>5,619</b>
<b>San Joaquin River Restoration Pump Back PID:</b>						<b>2,186</b>		<b>2,186</b>	<b>6,176</b>

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: 11/8/2023  
 Revised: 10/30/2023

	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			587
TPUD	0	18	0	0	0	7	19	20	5	0			69
JAMES I.D.	916	2,156	0	28	1,028	1,221	2,413	1,750	1,475	5,193			16,180
MEYERS	0	0	876	1,638	2,114	2,437	1,868	646	1,448	1,412			12,439
M.L. DUDLEY & INDART <sup>1</sup>	0	0	206	182	395	414	647	657	0	0			2,501
MID VALLEY (Kings River)	0	0	0	1,446	1,949	2,756	1,688	0	0	0			7,839
REC. DIST. 1606	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			12,219
TRACTION	170	566	56	0	0	258	237	369	441	852			2,949
UNMETERED	40	125	0	0	20	90	300	350	525	250			1,700
<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>0</b>	<b>0</b>	<b>16,868</b>
COELHO FAMILY TRUST <sup>2</sup>	0	18	0	474	916	1,663	994	190	526	230			5,011
TRANQUILITY I.D.	0	678	197	1,261	2,468	3,968	4,703	2,737	1,476	1,200			18,688
WESTLANDS LATERAL-6	0	0	0	0	0	0	34	0	0	0			34
WESTLANDS LATERAL-7	610	477	2,160	2,326	56	461	512	0	0	0			6,602
CARVALHO TRUST	0	0	0	41	80	91	92	49	26	52			431
<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>0</b>	<b>0</b>	<b>87,249</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%	0%	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 AF  
James Bypass Flows 0 AF
- Dec, 2023  
DMC Inflow AF  
James Bypass Flows 0 AF



**MENDOTA POOL WELL PUMP IN  
2023**  
(ALL FIGURES IN ACRE-FEET)

Date: 11/7/23

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
COELHO FAMILY TRUST <sup>1</sup>	0	0	0	0	0	0	0	0	0	0			0
M.L. DUDLEY & INDART <sup>2</sup>	0	0	0	0	0	0	0	0	261	329			590
FORDEL	0	385	45	0	0	0	0	0	0	0			430
COELHO WEST	0	0	0	0	0	0	0	0	0	0			0
CASACA VINYARDS	0	0	0	0	0	0	0	0	0	0			0
DPF	0	0	0	0	0	0	0	0	0	0			0
SOLO MIO	0	0	0	0	0	0	0	0	0	0			0
BAKER FARMS	0	0	0	0	0	0	0	0	0	0			0
FARMERS W.D.	0	0	0	0	0	0	0	0	0	0			0
MEYERS	0	0	0	0	0	0	0	0	0	75			75
MEYERS BANKED	0	717	0	0	0	0	0	0	0	0			717
SILVER CREEK	0	0	0	0	0	0	0	0	0	0			0
TRANQUILITY I.D.	0	0	0	0	0	0	0	0	0	0			0
FCWD	0	0	0	0	85	123	85	82	76	0			451
YRIBARREN FARMS	10	0	0	0	0	0	0	0	0	0			10
CARVALHO TRUST	0	0	0	0	0	0	0	0	0	0			0
ETCHEGOINBERRY	79	0	0	0	0	0	0	0	0	0			79
FRESNO SLOUGH W.D.	0	0	0	0	0	0	0	0	0	0			0
LSK-1	50	136	0	0	0	0	0	0	0	0			186
<b>TOTAL</b>	<b>139</b>	<b>1,238</b>	<b>45</b>	<b>0</b>	<b>85</b>	<b>123</b>	<b>85</b>	<b>82</b>	<b>337</b>	<b>404</b>	<b>0</b>	<b>0</b>	<b>2,538</b>

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

<sup>1</sup> aka TERRA LINDA FARMS

<sup>2</sup> aka COELHO-GARDNER-HANSEN

Spill Back Credit

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
James ID (per JID)	0	0	0	0	0	0	0	0	0	0			0



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

Updated 11/27/23

**OCTOBER 2023**

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 12743			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	10482
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	2261
R3 347	13		DFG @ O'Neill Forebay	0
	13		Parks & Rec. @ O'Neill Forebay	0
	13		DWR Water Truck at O'Neill 0 AF for Cattle Program @ O'Neill Forebay	0
	13		Santa Nella County Water District	24
	13		San Luis Water District	323
R4 11598	14		City of Dos Palos	102
	14		Pacheco Water District	577
	14		San Luis Water District	2653
	14		Panoche Water District	50
	15		San Luis Water District	1234
	15		Panoche Water District	1658
	15		Westlands Water District	5324
R5 46633	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	8743
	17		Westlands Water District	9938
	18		City of Coalinga	729
	18		Pleasant Valley Pumping Plant	17870
	18		Westlands Water District	9353
R6 13690	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	3
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 28L,29L,&30L	161
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	13526
R7 14437	20		City of Huron @ Lat. 23R	74
	20		DWR Water Truck @ 23R	0
	20		Westlands Water District	9932
	21		City of Avenal	154
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	4277
99448	0		<---TOTALS--->	99448
<b>TOTALS BY CUSTOMERS</b>				
Inflow Into Aqueduct:				
0 AF TOTAL for PUMP-IN				
0 AF TOTAL for FLOOD				
			Santa Nella County Water District	24
			Pacheco Water District	577
			San Luis Water District	4210
			Panoche Water District	1708
			Westlands Water District	78963
			AltaGas	0
			City of Huron @ LAT. 23R	74
			City of Huron (P&R/Area 11 @ 22R)	3
			Lemoore N.A.S. thru WWD @ 28L,29L&30L	161
			Kings County thru WWD Laterals in Reach 6	0
			City of Avenal	154
			City of Dos Palos	102
			City of Coalinga	729
			DFG @ O'Neill Forebay	0
			Pacheco Tunnel	12743
			DFG @ Lateral 4L & 6L & 7L	0
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	0
			0 AF for DWR Water Truck at O'Neill, 1 AF for Cattle Program @ O'Neill Reservoir	0
			<b>Customers Total:</b>	<b>99448</b>
Pool 12 - Reach 2B VA Turnout Use AF = 21				
DWR 3137(Rev.9/15)				99469



## Monthly Availability Report

CW "Bill" Jones Pumping Plant

October - 2023

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	0.0	0.00%	0.3	0.04%	99.96%	3	
Unit-2	744	63.5	8.53%	0.3	0.04%	91.43%	4	
Unit-3	744	0.0	0.00%	21.7	2.92%	97.08%	2	
Unit-4	744	0.0	0.00%	0.3	0.04%	99.96%	4	
Unit-5	744	0.0	0.00%	0.3	0.04%	99.96%	3	
Unit-6	744	440.2	59.17%	9.3	1.25%	39.58%	3	
Total	4464	503.7	11%	32.2	0.72%	88.28%	19	

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  
October - 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%	0	3	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	0	3	
Unit-4	744	80.9	10.87%	0.0	0.00%	89.13%	1	1	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	0	3	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	0	2	
<b>Total</b>	<b>4464</b>	<b>80.9</b>	<b>2%</b>	<b>0.0</b>	<b>0.00%</b>	<b>98.00%</b>	<b>1</b>	<b>12</b>	

Notes:

(1) Planned maintenance

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



## Monthly Availability Report

DCI Pumping Plant

October - 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	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Total	2976	0.0	0%	0.0	0.00%	100.00%	4	

Notes:

(1) Planned maintenance

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