



November 09, 2023

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for October 2023

OPERATIONS DEPARTMENT

The C.W. “Bill” Jones Pumping Plant (JPP) operated between 3 & 5 units through October 17th. On October 18th, 2 units were operated and from October 19th to the end of the month, 1 unit was operated. The average rate of pumping for the JPP was 2,251 cfs for the month.

Total pumping at the JPP for the month of October was 138,393 acre-feet. The O’Neill Pump/Generating Plant (OPP) generated 25,157 acre-feet, and pumped 21,805 acre-feet during the month. 3,464 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 month of October.

The Federal share in the San Luis Reservoir at the end of October was 714,690 acre-feet as compared to 187,956 acre-feet for the end of October 2022.

During the month of October, releases from Friant Dam ranged from 377 to 413 cfs with 7,145 acre-feet entering the Mendota Pool during the month. Flows past the Mendota Dam for the San Joaquin River Restoration Program (SJRRP) were 7,448 acre-feet for the month.

Canal Operations Department

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

- Pitot Tube flow measurements at MP’s

19.39 L	26.89 R	56.80 R
19.59 R	27.80 R	63.96 L
21.25 L	32.36 L	67.55 L
22.50 R	32.61 R	Meyers East Side 1 MP
25.02 R	47.89 RA	

- Open Channel flow measurement at DMC MP’s and Volta Wasteway Locations

4.98	72.38	76.05	115.90
Volta 10’ Gate	Volta Cross Channel	Volta Wasteway	Volta Freeman

- Serviced flow meters at DMC MP's

19.18 L	35.04 R	44.24 R
22.20 L	35.73 R	45.20 L
22.50 R	36.39 L	45.35 R
22.78 L	36.45 R	45.38 L
23.41 L	36.68 L	50.70 R
23.81 L	39.20 R	58.90 L
24.38 L	39.22 L	66.68 L
31.60 L	39.78 L	96.15 LA
31.60 R	40.39 R	96.15 LB
32.61 R	42.51 L	100.48 LA
32.62 R	43.22 L	100.48 LB
34.63 R	43.73 L	102.64 LA
		102.64 LB

- Coordinated flow testing at Volta for Grasslands facilities
- 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
 - Upper DMC Warren Act
 - Lower DMC Warren Act
 - ARRA Wells
 - 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-DM-35 Volta Well pump removal and inspection
- C-23 ON-57 OPP Unit 4 distributor shaft oil leak
- C-23-DM-61 DMC Milepost 96.81 dive inspection (DRS Marine)
- C-23-JP-62 Switchgear Bldg. UZ11A PT inspection/reset
- C-23-JP-63 JPP Unit 6 warranty inspection
- C-23-DM-64 Turnout gate installation MP 69.21 Left
- C-23-JP-65 JPP Unit 6 suction elbow inspection
- C-23-DM-66 Turnout gate replacement MP 54.01 Left
- C-23-DM-67 Turnout gate replacement MP 43.01 Left
- C-23-ON-68 OPP domestic water tank rehabilitation
- C-23-JP-69 JPP Unit 6 BFV accumulator tank PM

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 Trash Rake cleaner sensor troubleshooting and repair
- Wheel pit high level alarm troubleshoot and repair
- JPP Domestic Water Treatment Plant replacement
- Building UZ11A tie breaker T5 troubleshoot and repair
- JPP Kinney Strainer trip troubleshoot and repair
- JPP Unit 2 butterfly valve failed start troubleshoot and repair
- Repaired power cables to JPP Machine Shop welder and oil configuration
- JPP emergency lighting inspection PM
- Control Room phone system repairs and replacements
- JPP center tube siphon breaker CCA panel troubleshoot and repair

Mechanical Maintenance Crews:

- JPP Unit 6 rewind warranty 5-year stator and rotor inspection
- JPP Unit 6 annual maintenance (BFV)
- JPP Unit 6 annual maintenance (motor)
- JPP Unit 6 annual maintenance (pump)
- JPP power outage support
- JPP shop rail cart re-assembly
- JPP wheel pit maintenance and inspections
- Repair BFV stop and platform modifications
- OPP sand filter system rehabilitation support

Civil Maintenance Crews:

- Trash rack cleaning support

O'Neill Pumping/Generating Plant

Electrical/C&I Maintenance Crews:

- OPP Unit 1 vibration monitor device upgrade and install
- OPP semi-annual security camera and equipment PM
- OPP emergency lighting PM
- OPP Cathodic Protection System test and inspection PM
- OPP Sump Pump test and inspection
- OPP Station Service battery internal resistance test and inspection PM
- OPP Station Service battery test and inspection PM
- OPP security gates test and inspection PM
- OPP Station Service battery charger test and inspection PM
- OPP Station Service dry transformer 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 5 ton stoplog crane test and inspection 4-month PM
- OPP compressed air system LP test and inspection PM
- OPP low pressure air compressor test and inspection PM
- Pigeon Roost Lighting PM

- OPP trash rack crane test and inspection PM
- Machine and Welding shop equipment test and inspection 4-month PM
- OPP UPS battery internal resistance test PM

Mechanical Maintenance Crews:

- OPP Unit 1 stuffing box water line leak pipe repair and replacement
- OPP Unit 4 distributor hub oil leak investigation and repair
- OPP Unit 4 cooling water pump leak repairs
- OPP Unit 2 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 Siphon Building system service and repair
- 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 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 high pressure air compressor test and inspection PM
- OPP shop cleanup and organization
- OPP Water Storage Tank rehabilitation

Civil Maintenance Crews:

- None to report

DMC/CA Intertie Pumping Plant

Electrical/C&I Maintenance Crews:

- None to report

Mechanical Maintenance Crews:

- Annual compressor PM
- Annual valve pit ventilation system PM
- Annual door PM
- Annual HVAC system maintenance PM
- Annual bulkhead gate PM
- Annual service water PM

Civil Maintenance Crews:

- Monthly generator inspection PM

Delta-Mendota Canal

Electrical/C&I Maintenance Crews:

- DMC Checks supervisory system inspection and maintenance
- DMC Check 1 level detector failure troubleshoot and repair
- Check 21 PLC repair and replacement
- Checks 11, 14, and 19 electrical system troubleshoot and repair
- LBFO Domestic Well tank and pump test and inspection 4-month PM
- LBAO general lighting inspection and repairs

- LBAO facility lighting inspection 4-month PM
- LBFO HVAC system 4-month PM

Mechanical Maintenance Crews:

- Annual mechanical systems/equipment PM for Checks 10-13
- Annual Newman Wasteway mechanical PM
- Annual Westley Wasteway mechanical PM
- Volta Wasteway drive system electrical test and inspection bi-annual PM

Civil Maintenance Crews:

- Mechanical weed control MP 1.00 to 116.00
- Trash collection from MP 1.00 to 116.00
- Haz Mat Waste inspection PM
- Test Can modifications and maintenance along the DMC
- Repair gates and fences along the DMC from MP 1.00 to 116.00
- DMC meter box maintenance and repairs
- Repaired erosion damage from MP 1.00 to 116.00 PM
- Grading of DMC roads from MP 1.00 to 116.00 PM
- Cleaned drain inlets from MP 1.00 to 116.00 PM
- DMC farm bridge traffic strip replacement
- DMC float line maintenance and repair
- LBFO above ground fuel storage tank inspection PM
- Fabricate and install handrails
- Replaced turnout gates at MP's 41.03L, 54.01L, 69.21L
- Inspection of all DMC overchutes
- Class A driver training
- SLD grading

Tracy Field Office

Electrical/C&I Maintenance Crews:

- Tracy Electric Shop lighting inspection 4-month PM
- Control Building emergency lighting PM
- JPP Domestic Water Treatment Plant replacement project
- TFO Admin Office lighting 4-month PM
- TFO Warehouse loading dock gate 4-month PM
- TFO Warehouse lighting inspection 4-month PM
- CMT/VMT HVAC system 6-month PM
- Repair and retro fit lighting in the Control Building Server Room
- TFO conference room phone system troubleshoot and repair
- Water Treatment Plant lighting inspection 4-month PM

Mechanical Maintenance Crews:

- Control Room bathroom facility annual inspection PM
- JPP Domestic Water Treatment Plant rehab
- Machine Shop changing room and bathroom repairs

Civil Maintenance Crews:

- JPP power outage support
- JPP Domestic Water Treatment Plant replacement project
- JPP trash rack cleaning

- Building UZ11A repairs
- JPP Unit 6 rewind support
- OPP industrial water trash rack fabrication
- JPP Domestic Water Treatment Plant replacement project
- OPP Water Storage Tank rehabilitation
- Replace signage on TFO buildings

Other Activities

- None to report

USBR Support Services

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

- TFCF Hyacinth Pits 1 and 2 debris removal and relocation
- Installed new 24" flap gate into the HT vault

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
- OPP actuator rod procurement/installation
- OPP SCADA user station development
- OPP insulation tester replacement
- OPP siphon house air compressor replacement
- DMC check motor replacement
- OPP Kinney Strainer shaft repair
- OPP compressed air dryer replacement
- OPP trash rack for industrial water inlet
- OPP Unit 1 vibration monitor replacement
- JPP Unit 6 warranty inspection prep work
- JPP Unit 6 ramp test preparation
- Research to replace ammeters in UZ11A
- JPP unit wheel pit float switch replacements
- OPP high pressure air compressor replacement
- TFO sewer line inspection planning

Land Management Activity Summary:

The Engineering staff issued three (3) Access Permits this month:

- Access Permit P2402030 was issued to Del Puerto Water District allowing landowner to relocate the existing PG&E power pole within the canal right-of-way at MP25.02-L
- Access Permit P2402039 was issued to Del Puerto Water District allowing temporary drafting of water from the Delta-Mendota Canal at MP34.39-R

- Access Permit P2402032 was issued to Phillips 66 Company allowing roadway access to their existing equipment vault for routine maintenance

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

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 October to all SLDMWA staff:
 - 10-1-2023 Personal Protective Equipment
 - 10-2-2023 Ladder Safety
 - 10-3-2023 Machine Guarding
 - 10-4-2023 Fall Protection
 - 10-5-2023 Power Tools
- Provided Safety Message for October 2023 Newsletter
 - Keys to Safe Driving
- Scheduled annual hearing tests for selected employees
- Provided Adult CPR, AED, & First Aid Training
- Coordinated permit required Confined Space Rescue Training with CMC Rescue
- Review Job Hazard Analysis with contractors: American Asphalt
- Scheduled Hazardous Waste pickup from OPP and TFO

PROCUREMENT AND WORK & ASSET MANAGEMENT DEPARTMENT

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

- Continuous staff training and support for newer employees
- Resolved various invoice issues and disputes
- Closed out several pending NetSuite tickets for various issues
- WAM Staff attended CPR Training
- WAM staff attended Employee Appreciation Day
- WAM staff attended Adobe PDF training
- Contracts/PO Agreements/LOA's Status Update:
 - F23-TFF-017 Tension Arm Repairs - Contract executed 4/12/23, with start date still pending funding from Bureau
 - 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-TFO-001 Slurry Seal Project – <\$60k. Work completed with invoice pending
 - F24-OPP-013 UPS Battery Replacement – No bids received on due date, working with single vendor and pending receipt of bid documents
 - F24-OPP-009 Station Battery Replacement – Received one single bid, with revisions needed. Pending updated bid documents from vendor
 - 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 – Contract executed with bonds pending
- F24-DMC-014 Flowmeter Phase 3 – Pending contract review
- F24-ALL-017 Storm Drain Vault Cleaning – PO issued 8/22, pending PO increase due to unanticipated events
- F24-ALL-020 Fire Sprinkler Inspection – Pre-solicitation stage, pending SOW update from Project Manager
- F24-TFO-021 Tree Stump Removal – Contract executed and work completed with invoice pending
- F24-JPP-025 JPP Pipe Inspection – Ongoing service
- F24-TFO-024 Tracy Warehouse Roof Reseal – Ongoing solicitation
- F24-LBFO-026 Supply and Delivery Of Pesticides – Ongoing solicitation
- F24-DMC-027 MP 96.82 Emergency Liner Repair – Pending contract review
- F24-DMC-028 Check 18 Void Repair Crane Rental – Pending contract review

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 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

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
- Strategic Plan workshop
- South of Delta Drought Plan meeting
- Evaluated quotes to move POT's lines, AT&T vs Granite

General Network & Desktop Support:

- Desktop support calls
- Firewall firmware updates
- Research abnormal network activity as reported by Darktrace
- LBAO Board Room sound troubleshoot
- Server Security updates
- Installed new AD Server in Sacramento office
 - Prepped for file history (laptop backups)
- Re-imaged “Hot Spare” surface for COO
- Configured AT&T Portals
 - Set all invoices to be emailed to accounts.payable@sldmwa.org
 - Created additional portal access for employees
- Arranged Adobe Acrobat training
- Purchased and installed Blubeam to Mechanical Engineers
- Developed a connection to existing security cams to be viewed on new security screens until all cameras are swapped
- Upgraded Scott Petersen to Office 2021 and Adobe Pro
- Upgraded SSL Certificate to email server
- Conducted Adobe Acrobat training for end users on 10/21/23
- Configured and deployed laptop for Electrical Engineer
- Reviewed “Decision Document” from USBR through multiple meetings on this topic

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 RESOURCES DEPARTMENT

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

General Administrative Activities:

- Active Recruitments
 - None to report
- Closed Recruitments
 - Control Operator
- Candidates Selected
 - Control Operator (2)
- 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 report tracking
- 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 for Spring 2023; however, there is a discussion of a planned Mendota Pool Dewatering which will allow SLDMWA to perform the repair in the dry. This will save SLDMWA money and time for construction and allow us to repair an adjacent site. 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. The Feasibility Report is expected to be completed in approximately one year, with certain environmental permitting extending longer as needed. The Final Draft Report has been delayed while the USBR review is ongoing. The Feasibility Team held a Technical Workshop with the USBR policy group and reviewers, and incorporated review comments that were applicable. CDM Subconsultants are preparing the final Wetland Delineation and Archeological reports, and should be available in the next reporting period. These documents support the environmental and permitting efforts and have no bearing on the Feasibility Study. Geotechnical consultant Terracon was awarded a Contract Amendment to complete the final Geotechnical Investigation Phases 2 & 3 in December 2022 and has completed 100% of the CPT's, 96% of the drill holes, and 100% of test pits. USBR is requesting additional services to have Terracon prepare foundation design recommendations. USBR has prepared a draft SOW for SLDMWA review; however, it will require further coordination with Caltrans to ensure it captures all requirements. 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 is planning to visit the DMC to assess conditions of the Lower DMC embankments during a planned dewatering of the Mendota Pool. The assessment will include a photogrammetric survey to capture topographic data of the Lower DMC canal prism.

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 list of needed flowmeters for this phase was provided to McCrometer several weeks back, and the quote came back significantly higher than anticipated. With increased McCrometer rates, staff reevaluated the list of meters to purchase during this phase to remain within budget. The list has been finalized and revised quote has been requested to enter into the single-source contract.

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

Status: All site work completed, pending final retention invoicing.

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

Status: Use of the Emergency Reserve Fund (ERF) was approved by Reclamation this month. Planning is currently underway, including agreements for dive services, crane services, and multiple material purchases. Work is scheduled to begin next month.

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 January 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.

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.

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TSY Switchgear Building UZ11A Repairs (Unplanned Project)

Status: 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 27th to 30th 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: 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.

O'NEILL PUMPING/GENERATING PLANT (OPP)

Main Transformers Rehabilitation/Replacement

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

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

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bushing, preapproved the fan kit pending fan controls, and arresters are to be corrected and resubmitted. Protective Relays have been received. Efforts are under way to secure the bushings on time, which has proven challenging. The other main challenge with the contract is the lack of response from Pennsylvania Transformers (PTI). CEI continues to request information from PTI, with little response. CEI and DHR are working together on the issues with the bushings and PTI in an effort to keep the contract schedule intact.

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. Developing design and construction cost estimates for all BIL identified projects is a priority right now. USBR recently informed staff they are unable to provide cost estimates to support the BIL applications and Water Authority staff will be preparing the estimates with support from the original pump manufacturers. The following projects are anticipated to be included; 1. Unit Woodward Governor Replacement, 2. Unit Rotor & Stator Rewind, 3. Pump Bowl Replacement Program, and 4. Pump Assembly & Penstock Rehabilitation Program.

OPP UPS Battery Charging System Replacement (FY22)

Status: Staff created the contract scope of work and solicited quotes in early August and only received one bid that was determined to be nonresponsive due to inability to meet the minimum requirements. Staff is currently reaching out to other contractors to see if they have the ability to perform the work and meet the contract requirements.

OPP Station Service Backup Battery System Replacement (FY23)

Status: Staff created the contract scope of work and solicited quotes in early August and only received one bid that was determined to be nonresponsive due to inability to meet the minimum requirements. Staff is currently reaching out to other contractors to see if they have the ability to perform the work and meet the contract requirements.

OPP Plant Water Storage Tanks Rehabilitation (FY24)

Status: The contract was awarded to FD Thomas on September 15 with the Notice to Proceed issued on October 18, 2023. To date, contractor has removed the existing liner, and is in the process of recoating the 80,000 gallon tank. The contractor will transition to the 40,000 gallon tank after the first tank cures for 7 days. The contract is anticipated to be completed this year.

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

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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.

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement (FY20)

Status: Replacement water treatment equipment has been ordered with an anticipated delivery date 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 after receipt of the ordered equipment and the project is anticipated to be completed by the end of the year.

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: Project Complete. American Asphalt completed the slurry seal and striping of the USBR parking lot this month.

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.

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

	September-2023	September-2022
JONES PUMPING PLANT - PUMPED	233,647	143,644
DCI PLANT - PUMPED	16,085	0
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	74,663	71,797
O'NEILL P/G PLANT - GENERATED	0	6,394
DMC DELIVERIES	50,009	24,904
RIVER/WELL/RECYCLE WATER INTO DMC	5,682	5,113
MENDOTA POOL DELIVERIES	90,656	50,540
SHASTA RESERVOIR STORAGE	3,324,800	1,515,100
SAN LUIS RESERVOIR (SLR) STORAGE	1,656,587	585,114
SLR FEDERAL SHARE	788,049	243,442

	September-2023	September-2022
*SAN LUIS UNIT DELIVERIES	8,112	5,929
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	13,459	9,321

Jones Pumping Plant monthly average = 3,927 cfs



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

Date: 10/18/23

District/Other	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
Total Pumped @ Jones Pumping Plant	233,647			
Total Pumped @ DCI	(16,085)			
Total Reversed @ DCI	0			
City of Tracy		0	1,274	1,274
Byron Bethany I.D.		401	1	402
West Side I.D.		0	0	0
Banta Carbona I.D.		135	0	135
West Stanislaus I.D.		23	0	23
Patterson I.D.		227	0	227
Del Puerto W.D.		6,578	9	6,587
Central California I.D. - above check #13		1,047	0	1,047
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		1,838	0	1,838
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		13,479	0	13,479
Total Pumped @ O'Neill PP	(74,663)			
Total Generated @ O'Neill PP	0			
Central California I.D. - below check #13		366	0	366
Grasslands W.D. (76.05-L)		18,663	0	18,663
Fish & Game Los Banos Refuge (76.05-L)		1,043	0	1,043
Fish & Wildlife Kesterson (76.05-L)		1,069	0	1,069
Freitas Unit (76.05-L)		892	0	892
Salt Slough Unit (76.05-L)		892	0	892
China Island (76.05-L)		108	0	108
San Luis W.D. - below check #13		619	0	619
Panoche W.D.		1,019	2	1,021
Eagle Field W.D.		100	0	100
Oro Loma W.D.		18	0	18
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		206	0	206
River and Groundwater well pump-in	3,586			
North Valley Regional Recycled Water Program	2,096			
Change in Canal Storage	158			
Wasteway Flushing and Spill	0			
Total Available in Delta-Mendota Canal	148,739			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(50,009)	48,723	1,286	50,009
Theoretical DMC Delivery to Mendota Pool	98,730			
Total DMC Metered Delivery to MP	93,186			
Estimated (Loss) or Gain in DMC	(5,544)			
Estimated % Loss or Gain in DMC	-2.31%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
September 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	93,186			
Mendota Pool Groundwater Well Pump-In	337			
(+)SJRRP Releases into Mendota Pool	6,978			
(+)Available Flood Releases from Friant into Mendota Pool	0			
(+)Other San Joaquin River Water	0			
(+)Kings River Flood Releases into Mendota Pool	583			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		45,869	0	45,869
Columbia Canal Company (CCC)		4,149	0	4,149
Firebaugh Canal Water District (FCWD)		3,221	0	3,221
San Luis Canal Company (SLCC)		12,423	0	12,423
<u>Refuge:</u>				
Conveyance Losses		44	0	44
Calif Dept of F/G-LB Unit (CCID)		297	0	297
Calif Dept of F/G-LB Unit (SLCC)		901	0	901
Calif Dept of F/G-Salt Slough Unit (CCID)		253	0	253
Calif Dept of F/G-China Island Unit (CCID)		31	0	31
US Fish & Wildlife-San Luis Refuge (SLCC)		0	0	0
US Fish & Wildlife-Freitas (CCID)		253	0	253
US Fish & Wildlife-Kesterson (CCID)		304	0	304
Grasslands WD (CCID)		5,275	0	5,275
Grasslands WD (SLCC)		1,979	0	1,979
Grasslands (Private)		32	0	32
San Luis WD Conveyance (CCID)		130	0	130
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration Project:</u>				
SJRRP		6,962	0	6,962
<i>Other: (see MP Operations Report)</i>		8,533	0	8,533
<i>Total Available Water in Mendota Pool</i>	101,084			
TOTAL DELIVERY FROM MENDOTA POOL	(90,656)	90,656	0	90,656
*Estimated (Loss) or Gain in Mendota Pool	(10,428)			
*Estimated % Loss or Gain in Mendota Pool	-10.32%			
Total System Delivery	(140,665)			
*Total Estimated System (Loss) or Gain	(15,972)			
*Total Estimated % System Loss or Gain	-6.46%			

Special Notes:
Check 18 gates cleared to protect damaged liner area at MP 96.81 Right



Jones Pumping Plant
September - 2023

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	5	CONTINUOUSLY	4276
2	5	CONTINUOUSLY	4286
3	5	CONTINUOUSLY	4282
4	5	CONTINUOUSLY	4258
5	5	CONTINUOUSLY	4246
6	5	CONTINUOUSLY	4247
7	5	CONTINUOUSLY	4238
8	5	CONTINUOUSLY	4280
9	5	CONTINUOUSLY	4284
10	5	CONTINUOUSLY	4282
11	5	CONTINUOUSLY	4277
12	5	CONTINUOUSLY	4282
13	5	CONTINUOUSLY	4268
14	5	CONTINUOUSLY	4281
15	5	CONTINUOUSLY	4263
16	5	CONTINUOUSLY	4284
17	5	CONTINUOUSLY	4280
18	4	CONTINUOUSLY	3483
19	4	CONTINUOUSLY	3483
20	4	CONTINUOUSLY	3494
21	4	CONTINUOUSLY	3499
22	4	CONTINUOUSLY	3489
23	4	CONTINUOUSLY	3483
24	4	CONTINUOUSLY	3472
25	4	CONTINUOUSLY	3473
26	4	CONTINUOUSLY	3462
27	4	CONTINUOUSLY	3458
28	4	CONTINUOUSLY	3454
29	4	CONTINUOUSLY	3467
30	4	CONTINUOUSLY	3466
31			
AVG CFS for the month			3927



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

September 2023 WA Credits

Date: 10/4/23

CREDITS UNDER WARREN ACT CONTRACTS									
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	45,587,578	46,124,099	1	0	BCID	1,647	(82)	1,565	8,151
20.42-L	45,587,578	46,124,099	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	87,783	1	0	WSTAN	0	0	0	0
31.31-L2	87,783	87,783	1	0	DPWD	0	0	0	0
31.31-L3	87,783	87,783	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	6,919,226	7,007,249	1	0	PID	0	0	0	0
42.53-L	6,919,226	7,007,249	1	0	DPWD	0	0	0	0
42.53-L	6,919,226	7,007,249	1	0	USBR/FWA	2,021	0	2,021	3,990
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	3,367	3,371	1.02	(4)	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
UPPER DMC SUB TOTAL								3,586	17,879



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

September 2023 WA Credits

CREDITS UNDER WARREN ACT CONTRACTS									
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
LOWER DMC SUB TOTAL								0	0
WARREN ACT CONTRACT CREDIT TOTAL								3,586	17,879
TOTAL GROSS PUMP-IN								CREDIT	
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)						0		0	0
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)						0		0	0
TOTAL (DEL PUERTO WATER DISTRICT)						0		0	0
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)						0		0	0
TOTAL (PATTERSON IRRIGATION DISTRICT)						0		0	0
TOTAL (SAN LUIS WATER DISTRICT)						0		0	0
TOTAL (PANOCH/MS WATER DISTRICT)						0		0	0
TOTAL (MERCY SPRINGS WATER DISTRICT)						0		0	0
TOTAL (WIDREN WATER DISTRICT)						0		0	0
Other Warren Act Conveyance Credit Totals									
Del Puerto Water District:						0		0	0
Banta Carbona Irrigation District:						1,647		1,565	8,151
West Stanislaus Irrigation District:						0		0	0
Byron Bethany Irrigation District:						0		0	120
Patterson Irrigation District:						0		0	0
San Joaquin River Restoration Pump Back BCID:						0		0	5,619
San Joaquin River Restoration Pump Back PID:						2,021		2,021	3,990

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: 10/13/2023

Revised 10/23/23

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FRESNO SLOUGH	0	60	0	95	61	84	95	137	54				586
TPUD	0	18	0	0	0	7	19	20	5				69
JAMES I.D.	916	2,156	0	28	1,028	1,221	2,413	1,750	1,475				10,987
MEYERS	0	0	876	1,638	2,114	2,437	1,868	646	1,448				11,027
M.L. DUDLEY & INDART ¹	0	0	206	182	395	414	647	657	0				2,501
MID VALLEY (Kings River)	0	0	0	1,446	1,949	2,756	1,688	0	0				7,839
REC. DIST. 1606	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				7,215
TRACTION	170	566	56	0	0	258	237	369	441				2,097
UNMETERED	40	125	0	0	20	90	300	350	525				1,450
Total	409	1,810	98	7	468	811	1,439	2,197	3,523	0	0	0	10,762
COELHO FAMILY TRUST ²	0	18	0	474	916	1,663	994	190	526				4,781
TRANQUILITY I.D.	0	678	197	1,261	2,468	3,968	4,703	2,737	1,476				17,488
WESTLANDS LATERAL-6	0	0	0	0	0	0	34	0	0				34
WESTLANDS LATERAL-7	610	477	2,160	2,326	56	461	512	0	0				6,602
CARVALHO TRUST	0	0	0	41	80	91	92	49	26				379
TOTAL	1,935	5,217	3,537	7,498	9,535	13,913	14,504	8,383	8,533	0	0	0	73,055

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

¹ aka COELHO-GARDNER-HANSEN ² 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 Meyers 226 AF
Aug James ID 1,750 AF
Aug Coelho Trust 110 AF
Aug Dudley-Indart 439 AF
Aug Tranquility ID 143 AF
Sept James ID 583 AF

Duck Clubs (Percent Full)

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



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

Date: 10/2/23

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			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	473	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	4,369	4,467	1.91			187	(9)	178	178
CGH-7	2,592	2,607	0.71			11	(1)	10	10
CGH-8	0	0	1			0	0	0	0
CGH-9	56	56	1.18		no meter	0	0	0	0
CGH-10	1,257	1,284	1.09			29	(1)	28	28
CGH-11	150	197	1			47	(2)	45	45
SUB TOTAL (COELHO-GARDNER-HANSEN)								261	261
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
 Sep-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	1,026	1,026	1		0	0	0	0	
MEYERS-DW1	301	301	1		0	0	0	0	
MEYERS-DW1A	386	386	1	No Meter	0	0	0	0	
SUB TOTAL (MEYERS FARMING)								0	717
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	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	3,953	3,953	1	No Meter	0	0	0	0	
FRESNO SLOUGH-4	2,721	2,721	1		0	0	0	0	
SUB TOTAL (FRESNO SLOUGH)								0	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	726,171	750,880	1		76	0	76	417	
FCWD 7/HALL 2	5,465	5,465	1		0	0	0	34	
SUB TOTAL (FCWD)								76	451
FORDEL	8,630	8,630	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	179	179	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	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	0
Etchegoinberry	1,790	1,790	1		0	0	0	79	
Yribarren Farms	277	277	1		0	0	0	10	
LSK-1	5,683	5,683	1		0	0	0	186	
TOTAL (ALL)								337	2,134

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

Updated 10/19/2023

SEPTEMBER 2023

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 13459			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	10500
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	2959
R3 410	13		DFG @ O'Neill Forebay	118
	13		Parks & Rec. @ O'Neill Forebay	1
	13		DWR Water Truck at O'Neill 0 AF for Cattle Program @ O'Neill Forebay	0
	13		Santa Nella County Water District	25
	13		San Luis Water District	266
R4 14645	14		City of Dos Palos	111
	14		Pacheco Water District	738
	14		San Luis Water District	2777
	14		Panoche Water District	58
	15		San Luis Water District	1209
	15		Panoche Water District	2886
R5 46355	15		Westlands Water District	6866
	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	9096
	17		Westlands Water District	9057
	18		City of Coalinga	1051
R6 13909	18		Pleasant Valley Pumping Plant	17917
	18		Westlands Water District	9234
	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	4
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 28L,29L,&30L	163
R7 14168	19		Kings County thru WWD 30L	0
	19		Westlands Water District	13742
	20		City of Huron @ Lat. 23R	80
	20		DWR Water Truck @ 23R	0
	20		Westlands Water District	8394
	21		City of Avenal	206
102946		0	Kings County thru WWD 37L,38L	0
			Westlands Water District	5488
			<---TOTALS--->	102946
TOTALS BY CUSTOMERS				
Inflow Into Aqueduct:				
0 AF TOTAL for PUMP-IN				
0 AF TOTAL for FLOOD				
			Santa Nella County Water District	25
			Pacheco Water District	738
			San Luis Water District	4252
			Panoche Water District	2944
			Westlands Water District	79794
			AltaGas	0
			City of Huron @ LAT. 23R	80
			City of Huron (P&R/Area 11 @ 22R)	4
			Lemoore N.A.S. thru WWD @ 28L,29L&30L	163
			Kings County thru WWD Laterals in Reach 6	0
			City of Avenal	206
			City of Dos Palos	111
			City of Coalinga	1051
			DFG @ O'Neill Forebay	118
			Pacheco Tunnel	13459
			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	0
Pool 12 - Reach 2B			Customers Total:	102946
VA Turnout Use AF = 34				
DWR 3137(Rev.9/15)				102980



Monthly Availability Report

CW "Bill" Jones Pumping Plant
September - 2023

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-2	720	302.9	42.07%	0.0	0.00%	57.93%	3	
Unit-3	720	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-4	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-5	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-6	720	302.9	42.07%	0.0	0.00%	57.93%	1	
Total	4320	605.8	14%	0.0	0.00%	86.00%	5	

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
September - 2023

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	720	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Unit-2	720	118.9	16.51%	48.0	6.67%	76.82%	3	0	
Unit-3	720	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Unit-4	720	137.2	19.06%	0.0	0.00%	80.94%	0	0	
Unit-5	720	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Unit-6	720	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Total	4320	256.1	6%	48.0	1.11%	92.89%	7	0	

Notes:

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



Monthly Availability Report

DCI Pumping Plant

September - 2023

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-2	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-5	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-6	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Total	2880	0.0	0%	0.0	0.00%	100.00%	0	

Notes:

(1) Planned maintenance

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