



March 7, 2024

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for February 2024

OPERATIONS DEPARTMENT

The C.W. “Bill” Jones Pumping Plant (JPP) operated with 3 to 5 units for the first 27 days of February. The average rate of pumping for the JPP was 3,979 cfs for the same period.

Total pumping at the JPP for the first 27 days of February was 213,086 acre-feet. The O’Neill Pump/Generating Plant (OPP) generated 1 acre-foot, and pumped 165,321 acre-feet during the same period. 18,332 acre-feet were pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and 0 acre-feet was reversed from the DCI into the DMC for the first 27 days of February.

The Federal share in the San Luis Reservoir as of February 27th was 917,735 acre-feet as compared to 672,705 acre-feet for the end of February 2023.

During the first 27 days of February, releases from Friant Dam ranged from 561 to 501 cfs with 15,510 acre-feet entering the Mendota Pool. Flows for the San Joaquin River Restoration Program (SJRRP) were 15,094 acre-feet for the same period.

Canal Operations Department

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

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

| | | |
|------------|------------|------------|
| 4.98 | 68.83 | 115.90 |
| 37.33 Left | 50.66 Left | 58.26 Left |
| 78.57 Left | 79.13 Left | 80.99 Left |

- Serviced flow meters at DMC MP’s

| | | | |
|-----------------|-------------|----------------|-----------------|
| 18.05 Left | 18.60 Left | 19.18 Left | 20.59 Left |
| 22.50 Right | 26.21 Right | 26.89 Right | 29.95 Left |
| 31.60 Right | 32.36 Left | 32.38 Right | 32.61 Right |
| 32.62 Right | 32.94 Left | 33.07 Right | 33.70 Left |
| 33.90 Right | 34.08 Left | 46.02 Left | 46.19 Right |
| 46.83 Left | 80.99 Left | 96.15 Left SLC | 100.48 Left SLC |
| 102.64 Left SLC | | | |

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

Other Activities

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

- C-23-JP-63C JPP Unit 6 warranty inspection
- C-24-JP-01 JPP Unit 6 suction elbow

Jones Pumping Plant

Electrical/C&I Maintenance Crews:

- Troubleshoot and repair a PLC alarm on the JPP traveling trash rack cleaner
- REXEL Rockwell PLC Training in Sacramento
- C&I switchyard PM
- JPP emergency lighting system test and inspection PM
- Tracy switchyard lighting inspection 3-month PM
- JPP lighting 240/120 distribution 12-month PM
- JPP portable hand tool safety inspection 12-month PM
- JPP shop welder electrical cleaning and inspection 12-month PM
- UZ11A breaker protective relay 11JPF11 update per USBR
- UZ11A breaker protective relay 11JPT4 update per USBR
- UZ11A breaker protective relay 11JPT5 update per USBR

Mechanical Maintenance Crews:

- Installed new exhaust hose and seals on doors in JPP
- JPP monthly shop organization and clean up
- Replaced sump pump
- Replaced failed wheel pit pump
- Inspection, removal, and replacement of JPP stop log wire rope slings
- Replaced check valves on sump pump and unwatering pumps
- Replaced wheels on the unit tear down cart
- Rehab work on spare kinney strainers stuffing box with stainless steel lining
- JPP monorail traveling gripper rake PM
- JPP 21 ton bridge crane 3-month PM
- JPP 100/20 ton gantry crane 3-month PM
- TFO Carwash Water Recycling Unit PM

- Sand Blast/Paint Building air compressor 12-month PM
- Hazardous Material inventory 12-month PM
- JPP Units oil sample 12-month PM
- OPP Sand Filter System Rehabilitation support

Civil Maintenance Crews:

- Fabricated a new gas cylinder storage cage

O'Neill Pumping/Generating Plant

Electrical/C&I Maintenance Crews:

- OPP Unit 5 penstock flowmeter troubleshoot and repair
- OPP Unit 6 penstock flowmeter troubleshoot and repair
- OPP transformer rehabilitation prep work and equipment staging
- OPP general lighting repair and maintenance
- OPP rehab and clean spare DMC check gate motor
- OPP Domestic Water pumps and strainer test and inspection 3-month PM
- OPP Siphon Building primary vacuum pumps 1,2,&3 3-month PM
- OPP Siphon Building main compressor #3 test and inspection 3-month PM
- OPP 3 ton chain hoist test and inspection 3-month PM
- OPP security alarm system test and inspection PM
- OPP 65/10 ton overhead crane test and inspection PM
- OPP 65/10 ton bridge crane test and inspection 3-month PM
- OPP 1 ton chain hoist test and inspection PM
- OPP air, heat and vent system test and inspection 3-month PM
- OPP HVAC, fans, and blowers general service and repairs
- OPP UPS battery internal resistance test PM
- OPP Siphon Building compressor automation development program
- OPP Domestic Water system instrumentation test and inspection 3-month PM
- OPP Siphon Building main compressor #1 test and inspection 3-month PM
- OPP Siphon Building main compressor #2 test and inspection 3-month PM
- REXEL Rockwell PLC Training in Sacramento

Mechanical Maintenance Crews:

- Interior painting of the OPP facility
- OPP Machine Shop equipment test and inspection 3-month PM
- OPP Transformer Rehabilitation prep work and equipment staging
- OPP trash rack cleaning
- OPP 65/10 ton crane monthly test and inspection PM
- OPP 65 ton bridge crane monthly test and inspection PM
- OPP service bay roll up door test and inspection PM
- OPP machine shop jet sander/grinder assembly and install
- OPP ½ ton chain hoist crane test and inspection PM
- OPP 1 ton chain hoist crane test and inspection PM
- OPP 3 ton jib crane test and inspection PM
- OPP 5 ton gantry crane test and inspection PM
- OPP 5 ton stop log gantry crane test and inspection PM
- OPP service air/siphon house low compressor test and inspection 3-month PM
- OPP sump pump inspection PM
- OPP Domestic water pump motor check valve service and repairs

- OPP shop cleanup and organization
- OPP oil tank concrete foundation removal and repair
- OPP weekly plant checks
- OPP Domestic water sand filter maintenance
- OPP sewage system test and inspection PM
- OPP Unit 5 speed head switch and over speed mechanism repairs

Civil Maintenance Crews:

- Hauled AB for OPP transformer rehab work area

DMC/CA Intertie Pumping Plant

Electrical/C&I Maintenance Crews:

- Troubleshoot and repair Unit 3 relay lock out and display reading issue
- Remove and repair faulty DP3 480 distribution panel breakers
- C&I Supervisory Inspection PM
- Troubleshoot and repair of DMC Check 5 gate #3 not functioning (Electrical)

Mechanical Maintenance Crews:

- Troubleshoot and repair of DMC Check 5 gate #3 not functioning (Mechanical)

Civil Maintenance Crews:

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

Delta-Mendota Canal

Electrical/C&I Maintenance Crews:

- Solar panel and battery replacement at MP 115.90
- Check 18 electrical system and equipment troubleshoot, service and repair
- Check 21 electrical system and equipment troubleshoot, service and repair
- LBAO general lighting and electrical repairs

Mechanical Maintenance Crews:

- None to report

Civil Maintenance Crews:

- Chemical weed control MP 7.67 to 26.21, 53.00 to 75.84, 107 to 116
- Trash collection from MP 80.34 to Ck 18, 106.77 and SLD
- Erosion repairs at MP 16.19, 25.62, 41.09
- Erosion repairs along the Westley Wasteway
- Inspect shoulder drains from MP 1.00 to 60.00
- Cleaned drain inlets at MP 1.00 to 10.00
- Pump out meter box at MP 62.08
- Pothole repair from MP 95.00 to Bass Ave.
- DMC float line maintenance at Ck 4, Stuhr Rd., and Chrisman Rd.
- Crane testing for upcoming certification class
- TFO shop and yard cleanup
- Assist with mounting a new solar panel at MP 115.90
- Fix vandalized cyclone fence at LBFO
- Pipe fence fabrication at Corral Hollow, Chrisman, Hillview, and Canyon Rds.

- Repaired cattle crossings from Siphon House building to Mt. House Rd.
- Hauled telephone poles from the Hyacinth Pit to Fink Rd. disposal
- Door repair at LBAO
- Two Heavy Equipment Operators successfully completed the Crane Certification Course in Sacramento
- Water tank inspect 3-month PM
- Numerous vehicle oil changes and minor repairs

Tracy Field Office

Electrical/C&I Maintenance Crews:

- USBR entry gate 3-month PM
- Tracy warehouse loading dock gate 3-month PM
- Tracy E-Shop lighting system test and inspection 3-month PM
- Tracy Admin office lighting system test and inspection 3-month PM
- Control Building lighting system test and inspection PM
- JPP Domestic Water Treatment Plant Replacement Project (WTPP)
- Tracy warehouse lighting test and inspection 3-month PM
- Control Room CCA panel and annunciator test and inspection PM
- Troubleshoot and repair industrial water tank level drop alarms

Mechanical Maintenance Crews:

- JPP Domestic WTPP
- Sand blast and paint a metal storage rack for the CMT shop truck
- TFO bathroom plumbing test and inspection 6-month PM
- Solar panel and battery replacement at MP 115.90
- Check 18 electrical system and equipment troubleshoot, service and repair
- Check 21 electrical system and equipment troubleshoot, service and repair

Civil Maintenance Crews:

- Installed TV mounting brackets in the Control Building
- Installed new refrigerator and stove in the TAO Admin. breakroom
- Eyewash, first aid and fire extinguisher 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:

- Contract support for wood grinding in the Hyacinth Pit area
- Assisted with louver and trash rack cleaning

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
- OPP SCADA/user station server upgrade
 - New rack mount PC build

- Installed new OS Win 10, Aveva Software, TopServer, and licensing
- DMC work on PLC replacement plan for check structures
 - Reviewing red lined electrical diagrams and assembling parts list for the PLC replacement
 - Reviewing needs for PLC and controls check at structure
- JPP water treatment plant SCADA integration
- DMC check motor replacement
- OPP siphon tube vacuum pump rebuilding
- JPP check valve replacement for unwatering sumps
- JPP air vent valves for motor air coolers cooling water system
- DMC milepost 20.15 L leak investigation, monitoring, and containment berm support

Land Management Activity Summary:

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

- Access Permit P2402050 was issued to Del Puerto Water District allowing them to install a temporary turnout at Milepost 51.65-L on the Delta-Mendota Canal.

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

- Orestimba Creek Recharge Project
- PID new proposed turnout near MP43.25
- Santa Nella WD pipeline installation, construction observation
- Caltrans bridge inspection report management
- Costco HOM property development
- Drainage easement quitclaim request at MP39.20R
- Sperry Commercial II Project
- Rogers Road Bridge design
- Koster Road Bridge modifications
- Grasslands Water District Pipeline Project

SAFETY DEPARTMENT

The Safety Department worked on the following items this month:

- Provided Job Hazard Analysis support to the crews
- Sent out Safety Topics for the month of January to all SLDMWA staff:
 - 2-1-2024 Eye Protection
 - 2-2-2024 Hand Injuries
 - 2-3-2024 Respiratory Protection
 - 2-4-2024 Back Injuries
- Provided Safety Message for February 2024 Newsletter
 - Eliminating Driving Distractions
- Scheduled annual hearing tests for selected employees
- Provided FHECP training to contractors
- Provided support for JPIA Risk Assessment Inspection at LBFO
- Quarterly Safety Meeting – Safety Topic: STCKY (Stuff That Can Kill You)

PROCUREMENT AND WORK & ASSET MANAGEMENT DEPARTMENT

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

- WAM department closed several outstanding PO's in preparation for new FY
- Contracts/PO Agreements/LOA's Status Update:
 - 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
 - F25-ALL-002 Biological Survey Master Agreement – Contract executed on 2/27/24 for \$30,000.00 – Task 1 for Civil Maintenance
 - F24-TFO-002 Fuel Delivery Master Agreement – Pre-solicitation stage
 - F24-TFF-016 Wood Grinding and Pole Disposal Contract – Work complete, pending final invoice.
 - F24-ALL-020 Fire Sprinkler Inspection – Pre-solicitation stage, pending SOW update from Project Manager
 - F24-JPP-025 JPP Pipe Inspection – Ongoing service
 - F24-LBAO-029 Auditing Services – Board approved in January 2024, contract executed on 2/27/24
 - F25-LBAO-003 Compensation Study – Pre solicitation stage, drafting RFP and pending internal review. Anticipated release scheduled for March 2024
 - F25-TFO-001 Landscape Maintenance – Solicitation stage for 3-year agreement
 - F25-OPP-031 Pentair Pump Bowl Manufacturing – sole source, pending internal review for terms and conditions. Scheduled board date for April 2024
 - F24-TFO-024 Tracy Warehouse Roof Reseal – work in progress
 - F24-LBFO-026 Supply and Delivery of Pesticides – Received final product, pending invoice

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
- Routine janitorial activities at the TFO facilities
- Participated in NetSuite biweekly meetings and Shepherd weekly meetings
- Contract management/administration activities, including bi-weekly contract update meetings with Engineering staff
- Developing/implementing/updating purchase/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 and marking dead stock inventory for disposal
- 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
- O&M Technical Committee Meeting
- PIV Card security process; forms and fingerprints

General Network & Desktop Support:

- Research budgeting software solution
- Evaluated results of Knowbe4 Phishing Campaign and additional end user email training that begin Jan 2024
- Desktop support calls
- Firewall firmware updates
- Research abnormal network activity as reported by Darktrace
- Added new Roles to AD Server in Sacramento office
 - Prepped for file history (laptop backups)
- Built new Virtual Server for updated Symantec Endpoint Security Manager
 - Outside vendor completing conversion (95% complete)
- Built new Virtual Server to host new Symantec Message Gateway Server
 - Install of MGS and configuration under way for deployment

Ongoing:

- NetSuite
 - User and Administration
 - Bi-Weekly Implementation Team meetings
 - Monitor Citrin Cooper support activities for NetSuite
- Shepherd
 - Weekly progress meetings
 - Met with Shepherd during on-site visit, worked thru a number of problem areas
 - Created strategic plan to complete a few much needed custom fixes
 - Modified all User Roles
- Server refresh prep for deployment to LBFO and OPP
 - WAM Servers, prepping for redeployment
- Cybersecurity
 - Monitor Symantec Anti-Virus Management Console
 - Update Symantec
 - Security updates on Servers
 - Monitor Firewall
 - Monitor Darktrace appliance reporting
 - Update additional AV security settings
 - (MFA) Multi Factor Authentication vendor SurePassID
 - Installed “live” MFA Server after purchase of licenses
 - Cyber Security training and webinars
 - Cyber Readiness Institution Certification Course
 - Cyber Security Team

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

HUMAN RESOURCE DEPARTMENT

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

General Administrative Activities:

- Active Recruitments
 - Maintenance Worker (Los Banos)
 - Accountant III
 - Information Systems Technician
- Closed Recruitments
 - Maintenance Worker (Los Banos)
- Candidates Selected
 - Equipment Mechanic (Los Banos)
- Skills Testing
 - None to report
- New Hire Orientations
 - None to report
- RFP for total compensation survey

Trainings:

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

Government Reporting:

- EEOC tracking/reporting
- Affirmative Action report tracking

Ongoing:

- Performance appraisal tracking
- FMLA notices/follow-ups
- COBRA notices/follow-ups
- Worker's Comp follow-ups
- Monthly safety points distribution
- Health benefits eligibility/employee assistance
- Job description updates
- Policy updates
- Maintain OSHA logs for calendar year
- PIV Cards (USB)
- Wellness Program

EXTRAORDINARY O&M & CAPITAL PROJECTS

DELTA-MENDOTA CANAL (DMC)

Bridge Abutment Repair at MP 92.73 (FY21)

Status: No changes this month. PG&E has completed the relocation of the 6-inch gas transmission line that crosses under the MP 92.73 bridge serving the City of Dos Palos. In the process of removing the pipeline from the bridge, PG&E's contractor damaged the concrete stem wall. Staff performed a visual inspection with PG&E inspectors and contractor and determined that the damage is within SLDMWA's capabilities for repair. PG&E has agreed to reimburse SLDMWA the full cost of the repair (\$40k estimate), which is currently scheduled to be completed with the erosion repair. Scheduling for the erosion and liner repairs under the bridge abutment was planned during the Mendota Pool Dewatering, however an emergency repair of the concrete liner at Check 18 took priority. Further planning and discussions are required. In the meantime, the bridge remains closed until repairs are complete.

DMC Subsidence Correction Project

Status: SLDMWA continues working closely with Reclamation on the DMC Subsidence Correction Project (Project) and is managing the \$2.4M CDM Smith Feasibility Study contract and the \$2.7M Terracon Geotechnical contract.

Feasibility Study: The Feasibility Study is in the final stages, awaiting review comments from Reclamation Policy. Staff has reviewed the Wetland Delineation and Biological Assessment reports and submitted comments where applicable. These documents support the environmental and permitting efforts and have no bearing on the Feasibility Study. CDM contract was amended to include a study of available funding sources to assist in the cost of the and to extend the contract term by one year. Recent deliverables include a draft memo identifying potential funding sources and a list of aquatic features.

Geotechnical Exploration: Terracon has submitted the Draft Geotechnical Data Report (GDR) to the project team for review. The team met to discuss the data presented in the GDR. TSC included 2 Geotechnical lab experts to perform a cursory review, which provided insightful comments on the matter. The team has decided to extend the review period to allow experts to fully review the entire data set and provide comments in the next period.

Bridge Planning: In anticipation of multiple bridge raises, staff will begin reviewing Caltrans requirements and preparing a solicitation for a multi-disciplined consultant to assist with managing the bridge design deliverables necessary to gain Federal Highway Administration funding for the subsidence project. The reports are typically prepared years in advance of project approvals.

Design Data Support: Numerous design data collection efforts have been coordinated and continue to be discussed. USBR is planning to visit the DMC to complete the bathymetric surveys from MP 3.55 to MP 90 beginning in March. USBR Geophysicist will perform Geophysical surveys on select reaches of DMC to understand the root cause of embankment movement. Their findings will be

EXTRAORDINARY O&M & CAPITAL PROJECTS

incorporated into the design. This effort is scheduled to begin in late March. Coordination of that effort is ongoing.

Design: Staff & USBR finalized a funding agreement and project management plan for the final design of the Upper DMC rehabilitation. The first installment of \$2M to TSC was processed this month. WA staff has met with TSC to discuss conceptual design ideas on the drainage inlets. TSC will continue the concepts and present additional data in future meeting. WA staff submitted CAD files of known utility crossing to be included in the design. TSC has requested that WA further explore the utilities by gathering depths and routing of utilities.

DWR Grant: Staff continues to work closely with DWR on grant management activities. The \$3.3M invoice was approved this month, with the reimbursement anticipated early April. The \$19.3M amendment request that was submitted last month was recently returned back with requests for additional information. DWR recently agreed to release their 20% holdback given the Water Authority demonstrated certain provisions were met regarding efforts to secure funding for canals affected by subsidence.

DMC Turnout Flowmeter Upgrade Program – Phase 3 (FY23)

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

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

Status: Completed

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

Status: Completed

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

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

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

JPP Excitation System & Control Cabinet Modernization (FY18)

Status: SLDMWA is currently in contract with Reclamation through a Letter of Agreement (LOA). The 100% design package (SpecB) is scheduled for completion in April 2024. Once received, SLDMWA staff will begin putting together the solicitation package. SLDMWA has received notice that the application for \$25M of BIL (Aging Infrastructure) funding was approved and is working with Reclamation on repayment details. A public repayment negotiation was held by Reclamation on

EXTRAORDINARY O&M & CAPITAL PROJECTS

12/20/2023. Two technical sessions have been held to discuss the service life of the system, and when the project will be considered substantially complete. An additional negotiation session is anticipated to occur in March.

JPP Wear Ring Purchase (FY22)

Status: No activity

JPP Unit No. 3 Rewind

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

TSY Switchgear Building UZ11A Repairs (Unplanned Project)

Status: Staff continued to work with Powell regarding the work performed in September, as well as the remaining work required to complete the project. Test Reports for the CTs, PTs, breakers, protective relays, and buses were received in December. Powell remobilized to the site during the week of January 8, 2024. Powell performed tasks such as checking the heater circuits, relocating the PTs to the line side bus, reinstalling the CTs to correct WAPA revenue metering, and all associated electrical tests. Reclamation electrical engineers were onsite and provided support throughout the repairs. SLDMWA, BOR, TSC, and WAPA successfully completed the commissioning of Switchgear UZ11A.

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

The week of May 6th was decided to be the best time for both SLDMWA and Powell to schedule the work. The outage request has been made, reviewed by Operators, and sent to CVO for approval.

JPP Concrete Slab by Trashrake Dumpster (FY23)

Status: Project is currently in the planning and design phase. Technical specifications that incorporate the Geotechnical Report prepared by a consultant are approximately 90% complete pending internal review, with the design drawings 100% complete. The schedule for the solicitation and construction phases has been developed, and construction is anticipated to commence in October of this year (2024).

EXTRAORDINARY O&M & CAPITAL PROJECTS

Jones Pumping Plant Unit 6 Rotor Repairs

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

O'NEILL PUMPING/GENERATING PLANT (OPP)

Main Transformers Rehabilitation/Replacement

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

CEI has finalized configurations for ProCore (CDMS) and provided submittals for arresters, high side bushing, relays, and fan kit for the cooling system, and Baseline Schedule. TSC has reviewed and approved the high side bushing, preapproved the fan kit pending fan controls, and arresters are to be corrected and resubmitted. Protective Relays have been received. CEI and DHR continue to work together on the issues with the bushings and Pennsylvania Transformers (PTI) in an effort to keep the contract schedule intact. Additional inspection on the spare transformer was performed in December to acquire information requested by TSC and PTI.

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

This month, CEI removed the concrete stem walls that used to previously support oil tanks to . It provided more room in the switchyard for the project. In preparation for the upcoming field work, CEI has mobilized some heavy equipment to the site. Electrical Tests (Demag and SFRA) were performed on the spare transformer to have an electrical record before the rehabilitation. It will be used as a comparison after the rehabilitation. Trenches were dug for new cables to supply power to new fans and controls for the transformers. Rehabilitations for the spare transformer will continue.

EXTRAORDINARY O&M & CAPITAL PROJECTS

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

Status: Staff continued to work closely with Pentair to enter into a Service Agreement to complete the engineering, design, and fabrication for the Pump Bowl Replacement Program and the Unit Woodward Governor Replacement projects. Staff anticipates bringing the Agreement to the board in April.

OPP UPS Battery Charging System Replacement (FY22)

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

OPP Station Service Backup Battery System Replacement (FY23)

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

OPP Cooling Water System Rehabilitation Design (FY24)

Status: Upgrades of the installations are planned to occur during the OPP Transformer Rehabilitation outage this April and May and staff has purchased materials needed to execute this workscope. A schedule of the mechanical system repairs has been created to coordinate this effort with other construction efforts that will occur during the Transformer Rehabilitation project.

OPP Sand Filter System Rehabilitation Design (FY24)

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

EXTRAORDINARY O&M & CAPITAL PROJECTS

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement (FY20)

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

MULTIPLE FACILITIES

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

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

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.
- Started installation of television to display current pumping and DMC conditions for watermaster's use.
- 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



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

NOTE: ALL FIGURES ARE IN ACRE FEET

| | January-2024 | January-2023 |
|-----------------------------------|---------------------|---------------------|
| JONES PUMPING PLANT - PUMPED | 200,131 | 233,060 |
| DCI PLANT - PUMPED | 6 | 24,352 |
| DCI PLANT - RETURNED | 0 | 0 |
| O'NEILL P/G PLANT - PUMPED | 176,466 | 212,536 |
| O'NEILL P/G PLANT - GENERATED | 0 | 0 |
| DMC DELIVERIES | 5,354 | 320 |
| RIVER/WELL/RECYCLE WATER INTO DMC | 4,489 | 6,220 |
| MENDOTA POOL DELIVERIES | 25,662 | 11,532 |
| | | |
| SHASTA RESERVOIR STORAGE | 3,623,800 | 2,570,300 |
| SAN LUIS RESERVOIR STORAGE | 1,239,583 | 1,277,608 |
| * FEDERAL SHARE | 842,278 | 496,803 |

| | January-2024 | January-2023 |
|----------------------------|---------------------|---------------------|
| SAN LUIS UNIT DELIVERIES | 1,753 | 136 |
| SAN LUIS UNIT WELL WATER | 0 | 0 |
| SAN FELIPE UNIT DELIVERIES | 607 | 0 |

Jones Pumping Plant monthly average = 3,255 cfs



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
January 2024**

Date: 2/12/24

| <u>District/Other</u> | Total Available Water into System (INCOMING) (Acre Feet) | AG/Refuge Deliveries (Acre Feet) | M & I Deliveries (Acre Feet) | Total Deliveries (OUTGOING) (Acre Feet) |
|--|--|----------------------------------|------------------------------|---|
| Total Pumped @ Jones Pumping Plant | 200,131 | | | |
| Total Pumped @ DCI | (6) | | | |
| Total Reversed @ DCI | 0 | | | |
| City of Tracy | | 0 | 519 | 519 |
| Byron Bethany I.D. | | 3 | 1 | 4 |
| West Side I.D. | | 0 | 0 | 0 |
| Banta Carbona I.D. | | 0 | 0 | 0 |
| West Stanislaus I.D. | | 0 | 0 | 0 |
| Patterson I.D. | | 0 | 0 | 0 |
| Del Puerto W.D. | | 16 | 2 | 18 |
| Central California I.D. - above check #13 | | 0 | 0 | 0 |
| Santa Nella County Water District | | 0 | 1 | 1 |
| Volta Wildlife Mgmt. Area (Fish & Game) | | 0 | 0 | 0 |
| Fish & Wildlife (Volta) Santa Fe - Kesterson | | 0 | 0 | 0 |
| Grasslands W.D. (Volta) | | 0 | 0 | 0 |
| Total Pumped @ O'Neill PP | (176,466) | | | |
| Total Generated @ O'Neill PP | 0 | | | |
| Central California I.D. - below check #13 | | 191 | 0 | 191 |
| Grasslands W.D. (76.05-L) | | 0 | 0 | 0 |
| Fish & Game Los Banos Refuge (76.05-L) | | 934 | 0 | 934 |
| Fish & Wildlife Kesterson (76.05-L) | | 1,023 | 0 | 1,023 |
| Freitas Unit (76.05-L) | | 1,103 | 0 | 1,103 |
| Salt Slough Unit (76.05-L) | | 0 | 0 | 0 |
| China Island (76.05-L) | | 615 | 0 | 615 |
| San Luis W.D. - below check #13 | | 443 | 0 | 443 |
| Panoche W.D. | | 501 | 2 | 503 |
| Eagle Field W.D. | | 0 | 0 | 0 |
| Oro Loma W.D. | | 0 | 0 | 0 |
| Mercy Springs W.D. | | 0 | 0 | 0 |
| Firebaugh Canal W.D. (D.M.C.) | | 0 | 0 | 0 |
| River and Groundwater well pump-in | 2,260 | | | |
| North Valley Regional Recycled Water Program | 2,229 | | | |
| Change in Canal Storage | (13) | | | |
| Wasteway Flushing and Spill | 0 | | | |
| Total Available in Delta-Mendota Canal | 28,135 | | | |
| TOTAL DELIVERY FROM DELTA-MENDOTA CANAL | (5,354) | 4,829 | 525 | 5,354 |
| Theoretical DMC Delivery to Mendota Pool | 22,781 | | | |
| Total DMC Delivery to MP | 21,868 | | | |
| Estimated (Loss) or Gain in DMC | (913) | | | |
| Estimated % Loss or Gain in DMC | -0.45% | | | |



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
January 2024**

| <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 | 21,868 | | | |
| Mendota Pool Groundwater Well Pump-In | 0 | | | |
| (+)SJRRP Releases into Mendota Pool | 10,974 | | | |
| (+)Available Flood Releases from Friant into Mendota Pool | 0 | | | |
| (+)Other San Joaquin River Water | 0 | | | |
| (+)Kings River Flood Releases into the Mendota Pool | 0 | | | |
| <u>Mendota Pool Delivery Information</u> | | | | |
| <u>Exchange Contractors:</u> | | | | |
| Central California Irrigation District (CCID) | | 466 | 0 | 466 |
| Columbia Canal Company (CCC) | | 0 | 0 | 0 |
| Firebaugh Canal Water District (FCWD) | | 0 | 0 | 0 |
| San Luis Canal Company (SLCC) | | 0 | 0 | 0 |
| <u>Refuge:</u> | | | | |
| Conveyance Losses | | 976 | 0 | 976 |
| Calif Dept of F/G-LB Unit (CCID) | | 1 | 0 | 1 |
| Calif Dept of F/G-LB Unit (SLCC) | | 465 | 0 | 465 |
| Calif Dept of F/G-Salt Slough Unit (CCID) | | 0 | 0 | 0 |
| Calif Dept of F/G-China Island Unit (CCID) | | 0 | 0 | 0 |
| US Fish & Wildlife-San Luis Refuge (SLCC) | | 4,287 | 0 | 4,287 |
| US Fish & Wildlife-Freitas (CCID) | | 1 | 0 | 1 |
| US Fish & Wildlife-Kesterson (CCID) | | 1 | 0 | 1 |
| Grasslands WD (CCID) | | 0 | 0 | 0 |
| Grasslands WD (SLCC) | | 960 | 0 | 960 |
| Grasslands (Private) | | 191 | 0 | 191 |
| San Luis WD Conveyance (CCID) | | 0 | 0 | 0 |
| <u>San Joaquin River Restoration:</u> | | | | |
| SJRRP | | 12,784 | 0 | 12,784 |
| <i>Other: (see MP Operations Report)</i> | | 5,530 | 0 | 5,530 |
| <i>Total Available Water in Mendota Pool</i> | 32,842 | | | |
| TOTAL DELIVERY FROM MENDOTA POOL | (25,662) | 25,662 | 0 | 25,662 |
| Estimated (Loss) or Gain in Mendota Pool | (7,180) | | | |
| Estimated % Loss or Gain in Mendota Pool | -21.86% | | | |
| Total System Delivery | (31,016) | | | |
| Total Estimated System (Loss) or Gain | (8,093) | | | |
| Total Estimated % System Loss or Gain | -3.75% | | | |



Jones Pumping Plant
January - 2024

| Date | # OF UNITS | TIME ON/OFF | AVG DAILY CFS |
|------------------------------|------------|--------------|---------------|
| 1 | 4 | 0801 | 3547 |
| 2 | 4 | CONTINUOUSLY | 3540 |
| 3 | 4 | CONTINUOUSLY | 3546 |
| 4 | 4 | CONTINUOUSLY | 3532 |
| 5 | 4 | CONTINUOUSLY | 3507 |
| 6 | 4 | CONTINUOUSLY | 3476 |
| 7 | 4 | CONTINUOUSLY | 3484 |
| 8 | 4 | CONTINUOUSLY | 3480 |
| 9 | 4 | CONTINUOUSLY | 3466 |
| 10 | 4 | CONTINUOUSLY | 3471 |
| 11 | 4 | CONTINUOUSLY | 3468 |
| 12 | 4 | CONTINUOUSLY | 3488 |
| 13 | 4 | CONTINUOUSLY | 3553 |
| 14 | 4 | CONTINUOUSLY | 3554 |
| 15 | 4 | CONTINUOUSLY | 3548 |
| 16 | 4 | CONTINUOUSLY | 3541 |
| 17 | 4 | CONTINUOUSLY | 3534 |
| 18 | 4 | CONTINUOUSLY | 3547 |
| 19 | 4 | CONTINUOUSLY | 3556 |
| 20 | 4 | CONTINUOUSLY | 3582 |
| 21 | 4 | CONTINUOUSLY | 3589 |
| 22 | 4 | CONTINUOUSLY | 3597 |
| 23 | 4 | CONTINUOUSLY | 3586 |
| 24 | 3 | CONTINUOUSLY | 2665 |
| 25 | 3 | CONTINUOUSLY | 2666 |
| 26 | 3 | CONTINUOUSLY | 2658 |
| 27 | 3 | CONTINUOUSLY | 2651 |
| 28 | 3 | CONTINUOUSLY | 2651 |
| 29 | 2 | CONTINUOUSLY | 1826 |
| 30 | 2 | CONTINUOUSLY | 1827 |
| 31 | 3 | CONTINUOUSLY | 2763 |
| AVG CFS for the month | | | 3255 |



NON-PROJECT WATER CREDITS REPORT
 (ALL FIGURES IN ACRE FEET)
 January 2024 WA Credits

Date: 2/6/24

| 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 | 46,683,346 | 46,731,030 | 1 | 0 | BCID | 0 | 0 | 0 | 9,500 |
| 20.42-L | 46,683,346 | 46,731,030 | 1 | 0 | USBR/FWA | 0 | 0 | 0 | 5,619 |
| 21.12-L | 990 | 990 | 1.01 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 21.86-L | 770 | 770 | 1 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 24.38-L | 3,081 | 3,081 | 1 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 29.95-R | 1,342 | 1,342 | 0.87 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 30.43-L | 7,464 | 7,464 | 1 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 30.43-R | 2,123 | 2,123 | 0.92 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 30.95-L | 2,150 | 2,150 | 1.03 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 31.31-L1 | 87,784 | 87,784 | 1 | 0 | WSTAN | 0 | 0 | 0 | 0 |
| 31.31-L2 | 87,784 | 87,784 | 1 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 31.31-L3 | 87,784 | 87,784 | 1 | 0 | PID | 0 | 0 | 0 | 0 |
| 31.60-L | 8,183 | 8,183 | 0.93 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 32.35-L | 1,794 | 1,794 | 0.86 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 33.71-L | 753 | 753 | 0.94 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 36.80-L | 1,849 | 1,849 | 1 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 37.10-L | 3,870 | 3,870 | 0.94 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 37.32-L | 2,653 | 2,653 | 0.91 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 42.50-R | 1,034 | 1,034 | 0.96 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 42.53-L | 7,217,823 | 7,316,278 | 1 | 0 | PID | 0 | 0 | 0 | 0 |
| 42.53-L | 7,217,823 | 7,316,278 | 1 | 0 | DPWD | 0 | 0 | 0 | 0 |
| 42.53-L | 7,223,976 | 7,316,278 | 1 | 0 | USBR/FWA | 2,260 | 0 | 2,260 | 11,084 |
| 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 |
| UPPER DMC SUB TOTAL | | | | | | | | 2,260 | 26,323 |



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

January 2024 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 |
| 79.60-R | 0 | 0 | 1 | 0 | CCID | 0 | 0 | 0 | 0 |
| 79.60-R | 0 | 0 | 1 | 0 | GWD | 0 | 0 | 0 | 0 |
| 79.60-R | 0 | 0 | 1 | 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 | | | | | | | | 2,260 | 26,323 |
| TOTAL GROSS PUMP-IN | | | | | | CREDIT | | | |
| TOTAL (BYRON BETHANY IRRIGATION DISTRICT) | | | | | | 0 | 0 | 0 | 0 |
| TOTAL (BANTA CARBONA IRRIGATION DISTRICT) | | | | | | 0 | 0 | 0 | 0 |
| TOTAL (DEL PUERTO WATER DISTRICT) | | | | | | 0 | 0 | 0 | 0 |
| TOTAL (WEST STANISLAUS IRRIGATION DISTRICT) | | | | | | 0 | 0 | 0 | 0 |
| TOTAL (PATTERSON IRRIGATION DISTRICT) | | | | | | 0 | 0 | 0 | 0 |
| TOTAL (SAN LUIS WATER DISTRICT) | | | | | | 0 | 0 | 0 | 0 |
| TOTAL (PANOCH/MS WATER DISTRICT) | | | | | | 0 | 0 | 0 | 0 |
| TOTAL (MERCY SPRINGS WATER DISTRICT) | | | | | | 0 | 0 | 0 | 0 |
| TOTAL (WIDREN WATER DISTRICT) | | | | | | 0 | 0 | 0 | 0 |
| Other Warren Act Conveyance Credit Totals | | | | | | | | | |
| Del Puerto Water District: | | | | | | 0 | 0 | 0 | 0 |
| Banta Carbona Irrigation District: | | | | | | 0 | 0 | 9,500 | 0 |
| West Stanislaus Irrigation District: | | | | | | 0 | 0 | 0 | 0 |
| Byron Bethany Irrigation District: | | | | | | 0 | 0 | 120 | 0 |
| Patterson Irrigation District: | | | | | | 0 | 0 | 0 | 0 |
| San Joaquin River Restoration Pump Back BCID: | | | | | | 0 | 0 | 5,619 | 0 |
| San Joaquin River Restoration Pump Back PID: | | | | | | 2,260 | 2,260 | 11,084 | 0 |
| Central California Irrigation District L.B. Creek Diversion Structure | | | | | | 0 | 0 | 0 | 0 |
| Grassland Water District L.B. Creek Diversion Structure | | | | | | 0 | 0 | 0 | 0 |
| San Luis Water District L.B. Creek Diversion Structure | | | | | | 0 | 0 | 0 | 0 |

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



MENDOTA POOL OPERATIONS
2024
 ALL FIGURES IN ACRE-FEET

Date: 2/8/2024

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|--------------------------|--------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------------|
| FRESNO SLOUGH | 0 | | | | | | | | | | | | 0 |
| TPUD | 0 | | | | | | | | | | | | 0 |
| JAMES I.D. | 2,472 | | | | | | | | | | | | 2,472 |
| MEYERS | 215 | | | | | | | | | | | | 215 |
| M.L. DUDLEY & INDART 1 | 8 | | | | | | | | | | | | 8 |
| MID VALLEY (Kings River) | 0 | | | | | | | | | | | | 0 |
| REC. DIST. 1606 | 0 | | | | | | | | | | | | 0 |
| STATE FISH & WILDLIFE | 1,382 | | | | | | | | | | | | 1,382 |
| TRACTION | 530 | | | | | | | | | | | | 530 |
| UNMETERED | 70 | | | | | | | | | | | | 70 |
| Total | 1,982 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,982 |
| COELHO FAMILY TRUST 2-3 | 853 | | | | | | | | | | | | 853 |
| TRANQUILITY I.D. | 0 | | | | | | | | | | | | 0 |
| WESTLANDS LATERAL-6 | 0 | | | | | | | | | | | | 0 |
| WESTLANDS LATERAL-7 | 0 | | | | | | | | | | | | 0 |
| CARVALHO TRUST | 0 | | | | | | | | | | | | 0 |
| TOTAL | 5,530 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,530 |

NUMBERS SHOWN IN **BOLD** WERE REVISED AFTER DISTRIBUTION OF REPORT
 1 aka COELHO-GARDNER-HANSEN 2 aka TERRA LINDA FARMS 3 CONTAINS 794 AF RECHARGE

Article 215 Water

Kings River Water

| Duck Clubs (Percent Full) | BECK | 120 | PATOS | COLE | TRANQUILITY | 1 ACRE |
|---------------------------|------|------|-------|------|-------------|--------|
| | 0% | 100% | 100% | 0% | 100% | 100% |

Jan, 2024
 DMC Inflow 21,868 AF
 James Bypass Flows 0 AF

May, 2024
 DMC Inflow AF
 James Bypass Flows AF

Sept, 2024
 DMC Inflow AF
 James Bypass Flows AF

Feb, 2024
 DMC Inflow AF
 James Bypass Flows AF

June, 2024
 DMC Inflow A.F
 James Bypass Flows AF

Oct, 2024
 DMC Inflow AF
 James Bypass Flows AF

Mar, 2024
 DMC Inflow AF
 James Bypass Flows AF

July, 2024
 DMC Inflow AF
 James Bypass Flows AF

Nov, 2024
 DMC Inflow AF
 James Bypass Flows AF

Apr, 2024
 DMC Inflow AF
 James Bypass Flows AF

Aug, 2024
 DMC Inflow AF
 James Bypass Flows AF

Dec, 2024
 DMC Inflow AF
 James Bypass Flows AF

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

JANUARY 2024

| REACH TOTALS | POOL | INFLOW INTO AQUEDUCT | CUSTOMERS | AMOUNT IN AF |
|---|------|----------------------|--|--------------|
| R3A 608 | | | Parks & Rec. @ San Luis Reservoir | 1 |
| | | | Santa Clara Valley Water District | 0 |
| | | | Casa de Fruta (Santa Clara Valley Water District) | 0 |
| | | | San Benito Water District | 607 |
| R3 230 | 13 | | DFG @ O'Neill Forebay | 28 |
| | 13 | | Parks & Rec. @ O'Neill Forebay | 0 |
| | 13 | | DWR Water Truck at O'Neill 1 AF for Cattle Program @ O'Neill Forebay | 1 |
| | 13 | | Santa Nella County Water District | 17 |
| | 13 | | San Luis Water District | 184 |
| R4 10994 | 14 | | City of Dos Palos | 27 |
| | 14 | | Pacheco Water District | 80 |
| | 14 | | San Luis Water District | 158 |
| | 14 | | Panoche Water District | 37 |
| | 15 | | San Luis Water District | 25 |
| | 15 | | Panoche Water District | 1222 |
| | 15 | | Westlands Water District | 9445 |
| R5 50027 | 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 | 12991 |
| | 17 | | Westlands Water District | 6507 |
| | 18 | | City of Coalinga | 808 |
| | 18 | | Pleasant Valley Pumping Plant | 18335 |
| | 18 | | Westlands Water District | 11386 |
| R6 11869 | 19 | | Alta Gas | 0 |
| | 19 | | City of Huron (P&R-Area 11) @ Lat. 22R | 0 |
| | 19 | | DWR Water Truck @ 22R/F&G @ Lat.22R | 0 |
| | 19 | | Lemoore N.A.S. thru WWD 28L,29L,&30L | 113 |
| | 19 | | Kings County thru WWD 30L | 0 |
| | 19 | | Westlands Water District | 11756 |
| R7 14837 | 20 | | City of Huron @ Lat. 23R | 65 |
| | 20 | | DWR Water Truck @ 23R | 0 |
| | 20 | | Westlands Water District | 9878 |
| | 21 | | City of Avenal | 150 |
| | 21 | | Kings County thru WWD 37L,38L | 0 |
| | 21 | | Westlands Water District | 4744 |
| 88565 | 0 | | <---TOTALS---> | 88565 |
| TOTALS BY CUSTOMERS | | | | |
| Inflow Into Aqueduct: | | | | |
| 0 AF TOTAL for PUMP-IN | | | | |
| 0 AF TOTAL for FLOOD | | | | |
| | | | Santa Nella County Water District | 17 |
| | | | Pacheco Water District | 80 |
| | | | San Luis Water District | 367 |
| | | | Panoche Water District | 1259 |
| | | | Westlands Water District | 85042 |
| | | | AltaGas | 0 |
| | | | City of Huron @ LAT. 23R | 65 |
| | | | City of Huron (P&R/Area 11 @ 22R) | 0 |
| | | | Lemoore N.A.S. thru WWD @ 28L,29L&30L | 113 |
| | | | Kings County thru WWD Laterals in Reach 6 | 0 |
| | | | City of Avenal | 150 |
| | | | City of Dos Palos | 27 |
| | | | City of Coalinga | 808 |
| | | | DFG @ O'Neill Forebay | 28 |
| | | | Pacheco Tunnel | 607 |
| | | | DFG @ Lateral 4L & 6L & 7L | 0 |
| | | | DWR Water Truck @ 22R/F&G @ Lat.22R | 0 |
| | | | Parks & Recreation | 1 |
| | | | 0 AF for DWR Water Truck at O'Neill, 1 AF for Cattle Program @ O'Neill Reservoir | 1 |
| | | | Customers Total: | 88565 |
| Pool 12 - Reach 2B VA Turnout Use AF = 2 | | | | |
| DWR 3137(Rev.9/15) | | | | 88567 |



Monthly Availability Report

CW "Bill" Jones Pumping Plant

January - 2024

| 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 | 105.3 | 14.15% | 0.0 | 0.00% | 85.85% | 1 | 1/8/2024 @ 0718 UZ11A outage, available 1/12/2024 @1638 |
| Unit-3 | 744 | 0.0 | 0.00% | 0.0 | 0.00% | 100.00% | 1 | |
| Unit-4 | 744 | 0.0 | 0.00% | 109.5 | 14.72% | 85.28% | 1 | On Clearance Exciter Repair, 13:33 available Exciter Repaired |
| Unit-5 | 744 | 0.0 | 0.00% | 0.0 | 0.00% | 100.00% | 0 | |
| Unit-6 | 744 | 744.0 | 100.00% | 0.0 | 0.00% | 0.00% | 0 | On Clearance c-23-JP-63 Warranty |
| Total | 4464 | 849.3 | 19% | 109.5 | 2.45% | 78.55% | 4 | |

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
January - 2024

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

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

January - 2024

| Unit # | Max Hours | Scheduled Outages (1) | % | Unscheduled Outages (2) | % | Over-all Availability % | Starts | Comments |
|--------|-----------|-----------------------|-------|-------------------------|-------|-------------------------|--------|---|
| | | | | | | | Pump | |
| Unit-1 | 744 | 0.0 | 0.00% | 11.7 | 1.57% | 98.43% | 0 | 480 Main breaker tripped @ 01:20 1-27-2024 |
| Unit-2 | 744 | 0.0 | 0.00% | 11.7 | 1.57% | 98.43% | 0 | Unit heater breakers for the HVAC system was unable to trip open |
| Unit-5 | 744 | 0.0 | 0.00% | 11.7 | 1.57% | 98.43% | 0 | as intended due to incorrectly installed lock out plates that held |
| Unit-6 | 744 | 0.0 | 0.00% | 11.7 | 1.57% | 98.43% | 0 | the breakers in the closed poition thus forcing the main breaker to trip |
| Total | 2976 | 0.0 | 0% | 46.8 | 1.57% | 98.43% | 0 | |

Notes:

(1) Planned maintenance

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