



October 10, 2024

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for September 2024

OPERATIONS DEPARTMENT

The C.W. “Bill” Jones Pumping Plant (JPP) operated with 1 to 5 units for the first 29 days of September. The average rate of pumping for the JPP was 3,841 cfs for the same period.

Total pumping at the JPP for the first 29 days of September was 220,917 acre-feet. The O’Neill Pump/Generating Plant (OPP) generated 10,787 acre-feet, and pumped 68,730 acre-feet during the same period. 22,328 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 29 days of September.

The Federal share in the San Luis Reservoir on the 29th of September was 377,538 acre-feet as compared to 788,049 acre-feet for the end of September 2023.

During the first 29 days of September, releases from Friant Dam ranged from 411 to 1,114 cfs with 7,042 acre-feet entering the Mendota Pool. Flows for the San Joaquin River Restoration Program (SJRRP) were 7,408 acre-feet for the same period.

Canal Operations Department

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

- Open channel & pitot tube flow measurements at MP’s

4.98	76.05 L	115.90 L
17.59 L	19.15 R	26.21 R
26.95 L	29.19 R	31.60 R
33.07 R	35.73 R	36.01 L
43.73 L	48.60 LA	48.60 LB
49.56 R	50.66 L	61.84 L
62.08 R	70.69	86.17 R
105.56 R	MP FCWD City 3 NP	MP Mowry #1
Volta Cross Channel	Volta Wasteway	Volta Freeman Gate

- Serviced flow meters at DMC MP's

22.20 L	22.78 L	23.41 L	23.81 L
27.80 R	29.95 R	31.31 L DP	32.94 L
33.71 L	34.08 L	34.55 L	35.18 L
36.01 L	36.39 L	36.68 L	39.22 L
39.78 L	40.39 R	41.53 R	42.10 R
42.50 R	43.22 L	43.73 L	44.24 R
46.02 L	46.19 R	46.83 L	

- Bi-weekly meter readings on all active 200 plus turnouts
- Inspected Wasteways
 - Westley
 - Newman
 - Volta
 - Firebaugh
- Water samples taken at MP sites: 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

Control Operations

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

- C-24-JP-37 JPP Unit 5 wheel pit floats
- C-24-DCI-38 DCI plant inspection
- C-24-JP-39 JPP Unit 1 exciter inspection
- C-24-JP-40 JPP Unit 2 troubleshoot high pressure lube oil system
- C-24-DCI-41 DCI troubleshoot bus
- C-24-DCI-42 DCI Unit 5 & 6 86 relay
- C-24-DCI-43 DCI switchyard inspection
- C-24-ON-44 OPP CCB wire verification

Jones Pumping Plant (JPP)

Electrical/C&I Maintenance Crews:

- JPP 1/4 ton monorail hoist 3-month PM
- JPP flooding alarm 3-month PM
- JPP plant lighting inspection 3-month PM
- Tracy Switchyard lighting 3-month PM
- JPP Siphon Breaker system electrical test and inspection 12-month PM
- JPP unwatering pump level sensor investigation and troubleshoot
- JPP Siphon Breaker communication redline wires upgrade project
- JPP HP oil motor investigation, troubleshoot and repair
- JPP trash rake controls modernization redline PLC upgrade project

- JPP Unit 1 exciter cleaning and brush inspection
- TSY 13 kV Switchyard C&I test and inspection 1-month PM
- Assist JPP Mechanics to install a new level switch for a water supply solenoid
- JPP emergency lighting system 1-month PM
- Station service battery bank and system test and inspection 1-month PM

Mechanical Maintenance Crews:

- JPP Unit 5 BFV block oil leak troubleshoot and repair
- JPP Unit 4 Kinney strainer failure troubleshoot and repair
- OPP Unit 5 disassembly and annual maintenance
- Inspect, clean and rehabilitate JPP stoplogs
- JPP unwatering pump #1 3-month PM
- JPP unwatering pump #2 3-month PM
- JPP West Bank CO2 bottles 6-month PM
- JPP East Bank CO2 bottles 6-month PM
- JPP Spare Bank CO2 bottles 6-month PM
- JPP sump pump 3-month PM
- Portable welder, generator, and compressor 12-month PM
- JPP east bathroom toilet leak investigation and repair
- JPP Connex storage concrete pad prep
- JPP Air Wash unit 1-month PM

Civil Maintenance Crews:

- None to Report

O'Neill Pumping/Generating Plant (OPP)

During the annual maintenance activities in July on OPP Unit 5, damage was noticed on the lower pump bearing shaft sleeve and significant corrosion was evident on the flange stud nuts that hold the impeller to the shaft. Upon further inspection, the shaft sleeve lining coating had scratches/gouges in the lining material. In addition, a significant groove has been cut into the shaft sleeve steel section and significant corrosion has occurred on the pump shaft surface between the shaft sleeve and the pump shaft. SLDMWA Engineering staff performed an inspection of the damage and provided an inspection report to Reclamation documenting the damage and requesting a special inspection. Reclamation inspected the damage this month and concurred with Engineering's recommendation to replace the damage bolts which requires full disassembly of the unit. Disassembly began on 8/12/2024 and is anticipated to be out of service for approximately four months.

Electrical/C&I Maintenance Crews:

- OPP Unit 5 disassembly and annual maintenance
- OPP Unit 5 rehab work and prep for reassembly
- OPP Station Service Panel CCB trace out wiring for USBR
- OPP Unit 5 Governor Cabinet new wire install
- OPP Unit 5 siphon breaker conduit and wire replacement
- OPP emergency lighting 1-month PM
- OPP UPS battery charger replacement program
- OPP HVAC Unit #12 Marlo plumbing troubleshoot and repair
- OPP Station Service battery charger stand fabrication
- OPP UPS battery charger station fan alarm troubleshoot and repair
- OPP station service battery test and inspection 1-month PM

- OPP Station Service dry transformer test and inspection 1-month PM
- OPP Cathodic Protection System anode test and inspection 1-month PM
- OPP UPS battery internal resistance test and inspection 1-month PM
- OPP Station Service battery internal resistance test and inspection 1-month PM
- OPP cable floor bay light fixture repairs

Mechanical Maintenance Crews:

- OPP Unit 5 disassembly and annual maintenance
- OPP Unit 5 rehab work and prep for reassembly

Civil Maintenance Crews:

- Hauled OPP U-5 bottom bowl to UNICO for machining

DMC/CA Intertie Pumping Plant (DCI)

Electrical/C&I Maintenance Crews:

- Investigate why protective relays are reading CT's between JW1A and UAA
- DCI Unit 1 restoration and plant electrical upgrades
- DCI Unit 2 restoration and plant electrical upgrades
- DCI 69kV line power loss troubleshoot and repair (ATS system)
- DCI C&I Supervisory test and inspection 1-month PM
- DMC Checks 1-12 electrical equipment test and inspection 6-month PM
- DMC Check 2 upstream level detector troubleshoot and repair
- Fabricated five new sheet metal covers for Checks as requested by the ESHOP
- DMC Check 15, Gate #2 encoder failure troubleshoot and repair
- Mendota Wildlife Refuge Pump #12 hour meter troubleshoot and repair

Mechanical Maintenance Crews:

- None to Report

Civil Maintenance Crews:

- Rodent Control
- Repaired roof access doors

Delta-Mendota Canal (DMC)

Electrical/C&I Maintenance Crews:

- None to report

Mechanical Maintenance Crews:

- None to report

Civil Maintenance Crews:

- Chemical weed control MP 71.31 to 74.40
- Mechanical weed control MP 29.34 to 34.39, 58.46 to 64.30, 71.31 to 98.00
- Trash collection at Blewett and Koster Rd.
- Assisted Electricians with installing new light fixtures at TFO
- Haul material to low lined areas along the DMC (Ward to Marshall)
- Hyacinth removal from MP 110.39
- Rodent control at DCI
- SLD Tule plant removal from Newcomb Ave to Ck 30, Adams to MP 159.83
- SLD grading from Santa Fe to Jefferson
- Grading roadways from MP 0.60 to 2.80

- Painted a new roadway gate for NWW
- Flushed the WWW to remove silt and debris
- DMC erosion repair at MP 64.30 to 68.03, 84.38 to 86.19 and Hospital Creek
- DMC gate and fence maintenance from 14.80 to 17.25 and MP 62.05
- Float line repair at MP 21.49
- Fabricated handrails at MP 47.37-R
- Wash and inspect DMC bridges 12-month PM
- Hauled OPP Unit 5 main shaft to TFO for blasting and painting
- Hauled scrap metal to recycling yard
- Blew out and inspected DMC turnouts 12-month PM
- LBFO and TFO shop and yard cleanup
- Rodent abatement from MP 57.95 to 74.40
- Turnout removal at MP 13.97-R
- Installed new drain pipe by Check 16 Block House
- Fixed hand railing on stairs at LBAO
- Asphalt repairs in the LBFO yard
- Class A drivers training in yard
- Class A truck schooling at Jiffy
- Installed two test cans at MP 43.35-R
- Fill cracks on Warehouse Building roof with silicone
- Sealed WTP foundation from groundwater intrusion
- Installed new flag pole rope at TFO
- Numerous vehicle oil changes and minor repairs

Tracy Field Office

Electrical/C&I Maintenance Crews:

- Outfit new ESHOP van with shelving, racks, tools and ladders
- TFO industrial water system C&I test and inspection 12-month PM
- TFO Admin Office lighting inspection 3-month PM
- O&M CMT building HVAC system A/C replacement
- TFO Water Treatment Plant lighting inspection 3-month PM
- TFO Water Treatment Plant C&I electrical test and inspection 1-month PM
- TFO Control Building emergency lighting system test and inspection 1-month PM
- JPP industrial water C&I electrical test and inspection 3-month PM
- TFO Control Building 1 ton hoist test and inspection 3month PM
- Tracy ESHOP lighting inspection 3-month PM
- Light fixture replacements throughout the TFO facilities
- TFO Irrigation system and sand filter assembly valve replacement

Mechanical Maintenance Crews:

- TFO landscaping and irrigation system sand filter assembly valve maintenance
- Sandblast Building oil filter service 12-month PM

Civil Maintenance Crews:

- TFO landscape and irrigation system 1-month 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:

- Delta Cross Channel rodent abatement

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
- DMC milepost 20.15L leak investigation, monitoring, and containment berm support
- DCI Unit 1 & 2 plant trip troubleshooting
- DCI Unit 5 & 6 troubleshooting
- DCI Auto Transfer Switch troubleshooting
- DCI transformer oil analysis
- JPP spare slip ring replacement
- OPP plant metering & relay as-built drawing updates
- OPP transformer oil analysis
- OPP stuffing box shaft sleeve recoating
- OPP Unit 5 annual maintenance support
- OPP Unit 5 repair of propeller fasteners and rehabilitation
- JPP water leak at and around Unit 5
- OPP pump unit jack seals repair
- JPP stoplog rehabilitation
- TFO transformer oil analysis

Land Management Activity Summary:

The Engineering staff issued two (2) Access Permits this month:

- Access Permit P2502019 was issued to Stanislaus Towing allowing them to scan and retrieve vehicles from the canal and Delta-Mendota Canal right-of-way
- Access Permit P2502020 was issued to Del Puerto Water District for temporary drafting of water from Delta-Mendota Canal at Milepost 39.20-R for a construction project

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

- Orestimba Creek recharge project
- Costco HOM property development
- Rogers Road Bridge design
- Costco Cold Distribution Center development
- Fresno County Nees Ave. bridge replacement
- Rogers-Vieira Subdivision City of Tracy development
- Westley Wasteway Bridge replacement project, Caltrans
- International Parkway Bridge replacement project

SAFETY DEPARTMENT

The Safety Department worked on the following items this month:

- Provided Job Hazard Analysis support to the crews

- Conducted accident investigations
- Sent out Safety Topics for the month of September 2024 to all SLDMWA staff:
 - 9-1-2024 Electrical Safety
 - 9-2-2024 Good Housekeeping
 - 9-3-2024 Hot Work Safety
 - 9-4-2024 Handling Materials
 - 9-5-2024 Mobile Elevating Platform Safety
- Provided Safety Message for September 2024 Newsletter
 - Stretching for Injury Prevention
- Scheduled annual hearing tests for selected employees
- Provided Confined Space Rescue Standby at Jones Pumping Plant
- Participated in FY26 Budget Meetings

PROCUREMENT AND WORK & ASSET MANAGEMENT DEPARTMENT

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

- WAM Manager completed FY26 Department Budget
- WAM Manager continued working with legal counsel on revising various contract language and boilerplate template updates, attended follow up meeting with counsel to go over pending boilerplate changes
- WAM Manager attended meeting with COO and hyacinth spray vendor to resolve ongoing invoice dispute

Contracts/PO Agreements/LOA's Status Update:

Specification	Title	Status
F25-ALL-021	C.A.R.B. Advanced Clean Fleet Compliance Consultation	Contract prepared, pending counsel review
F25-DCI-022	DCI Motor Protection Relay Replacement	Contract prepared, Contractor Redlines pending counsel review
F25-ALL-016	Project Management & Engineer Support Services - Task 2 Transformer Rehab	Task Order executed 9/12, work ongoing
F25-ALL-018	Hallmark Project Management - Task 1	Task Order 1 executed 9/13, work ongoing
F25-ALL-016	Project Management & Engineer Support Services - Task 3 JPP Excitation Design	Task Order executed 9/12, work ongoing
F25-JPP-020	UPS Battery Replacement	Contract Executed 9/27, work ongoing
F25-LBAO-003	AAP Consultant	Agreement prepared, under review
F25-ALL-018	Hallmark Project Management	Master Agreement executed 9/13, per task
F25-ALL-023	Budget Planning and Reporting Software	RFP released, proposals due 10/1
F25-ALL-014	Portable Toilets	Pre-solicitation
F25-ALL-019	Scaffolding Rental	Pre-solicitation

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 bi-weekly meetings, Shepherd weekly meetings and bi-weekly property tracking 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
- Bi-weekly project update meetings with O&M Director
- Contract invoice payment reviews, invoice disputes as needed, invoice payments

INFORMATION TECHNOLOGY DEPARTMENT

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

Administrative Activities:

- Monthly FAC, WRC and BOD meetings
- Creating policies for BYOD with Legal
- Management of FY25 RO&M Budget
- FY26 EO&M Budget
- FY26 RO&M Budget

General Network & Desktop Support:

- Desktop support
- Firewall firmware updates
- DNS Network rework
 - Monitor DNS replication by physical location
 - TAO & TFO
 - LBAO/LBFO/OPP
 - SAC
- Creating VLAN's for network segmentation
 - Phones, security, WIFI access points, new security system and gate control
- Created additional DHCP scopes for network segmentation with VLANs
- Tablets to ESHOP crew for CMMS
- System wide critical server patches deployed
- Continued creation and edit of GPO's for better domain administration and Cybersecurity
- Continued edit and consolidate login batch files
- Reviewed Document Management solutions
- Modify settings of Remote Performance monitoring agents on servers
- Troubleshoot errors and network anomalies reported by Darktrace
- Attended ICC Conference
- Roll out of laptop refresh

Ongoing:

- NetSuite
 - User and Administration
 - Bi-Weekly Implementation Team meetings
 - Monitor Citrin Cooper support activities for NetSuite
 - Continued research on budgeting software solution
 - RFP out for vendor response
 - Grant management
- Shepherd
 - Weekly progress meetings
 - Continue testing tablets in field
 - Additional modifications to User roles
- Server refresh
 - Servers, prepping for redeployment
- Cybersecurity
 - Active Directory cleanup
 - Monitor Symantec Anti-Virus Management Console
 - Update Symantec
 - Security updates on servers
 - Monitor Firewall logs and alerts
 - Update additional AV security settings
 - Multi Factor Authentication (MFA) vendor SurePassID
 - Installed “live” MFA server after purchase of licenses
 - Cyber Security training and webinars
 - Cyber Readiness Institution Certification Course
 - Monitor Knowbe4 Phishing Campaign
 - Cyber Security Team
 - Cyber Security Incidence Response Plan
 - Disaster Recovery Plan
 - Business Continuity Plan
 - Monitor IBM (MAAS360) Mobile Device Management
 - Virtual server to host new Symantec Message Gateway server
 - Modify and refine settings
 - Review InfraGard dispatches – FBI Cyber Security group
 - Monitoring Darktrace Cyber Security appliance in IT network
 - Additional advanced configurations IT/OT
 - Add Cloud immutable backups
 - Add “Cold” air gapped local backups
- Deployment of Office 2021
- Logistical and technical support provided to Trofholz; site security installation
 - PIV card readers activated and tested with current issued ID’s
 - Gate control planning
 - Tracy gate materials ordered and assisted vendor in configuration
 - Trofholz will tie controls into newly installed security system
- DWR regarding use of fiber from a 1992 contract agreement

- NDA to Verizon to research fiber from DWR Check 12 to OPP
- Meeting with DWR to discuss
- Data migration
 - GIS server migration Phase 1
- FY24/FY25 Laptop refresh
 - OS image creation
 - Deployment underway
- New asset control and tracking

SCADA Department

The SCADA staff worked on the following items this month:

Administrative Activities:

- PIV Card security process paperwork amended
- InfraGard application process

General SCADA Network Support:

- Review of DCI plans for SCADA and remote annunciation
- Continued writing scope for Aveva to ignition conversion
- Continuing to work with CVO's NEW dedicated fiber connection to our network
- Developing network segregation plan and design
- Installed ignition on Server 2022 Hyper V running windows 11. Added new server to local domain and setup to use domain users. Assigned I/P in DHCP server and DNS.
- New dish for O'Neill was installed at Kelso in Byron. Testing to start next week to validate and commission this new connection point
- Check 21 communications upgrade
- Attended ICC Convention
- Continued Cyber Security training

Ongoing:

- 26-K5 Design of new O.T. network
 - Exploring options for Volta communications current and future level readings
 - Review and research overall SCADA upgrades and replacements
- AT&T FirstNet to start APN testing with DIGI devices
 - Final design completed
 - Device field testing completed
 - Digi ix40 and ix30 to be deployed
 - Activate new SIM's for further testing
- Discussions continue to use fiber per 1992 USBR contract from JPP to DWR Check 12
 - Continued discussions with DWR with work in progress
 - Continued discussions with Verizon Fiber Division to visit possibility of renting/leasing fiber from DWR Check12 to O'Neill

- Working on a new Wi-Fi system design for all buildings
 - First phase of AP's arrived
 - LBFO office and shop
 - TAO office and electric shop
- Server Room
 - Upgrades of Operator A and B started
- OPP
 - Successfully testing Vega level sensor at O'Neill
- DMC
 - Looking for new option for Volta Radio
 - Received a level sensor to test at Volta
- JPP
 - Water treatment plant SCADA integration
 - Work on establishing communication with Depolox system
 - Level sensor still to be installed
 - 26-M7; Siphon House communications
 - Received PLC parts for project
 - Received mule tape to measure fiber run to Siphon House
 - Measured path for fiber to siphon house with mule tape
 - 26-M8; Trash Rake
 - Received PLC parts for project
 - Started program rewrite and documentation
 - Measured for fiber from trash rake to server room
- LBFO
 - Parts ordered to install new AP's
- DCI
 - HVAC project on hold
 - Future PLC's for entire DCI upgrade compatible

HUMAN RESOURCE DEPARTMENT

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

General Administrative Activities:

- Active Recruitments
 - Water Resource Engineer (closed)
- Resume/Candidate Reviews
 - None
- Interviews
 - Control Operator (conducted)
 - Water Resource Engineer (scheduled)
- New Hire Orientations
 - Control Operator
- Budget preparation for FY26
- Open Enrollment preparation

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)
- Workplace Violence Prevention training (all staff)

Government Reporting:

- EEOC tracking/reporting
- Vets 2214 Report
- Affirmative Action report tracking

Ongoing:

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

EXTRAORDINARY O&M & CAPITAL PROJECTS

DELTA-MENDOTA CANAL (DMC)

Bridge Abutment Repair at MP 92.73 (FY21)

Status: No changes this month. PG&E has completed the relocation of the 6-inch gas transmission line that crosses under the MP 92.73 bridge serving the City of Dos Palos. In the process of removing the pipeline from the bridge, PG&E's contractor damaged the concrete stem wall. Staff performed a visual inspection with PG&E inspectors and contractor and determined that the damage is within SLDMWA's capabilities for repair. PG&E has agreed to reimburse SLDMWA the full cost of the repair (\$40k estimate), which is currently scheduled to be completed with the erosion repair. Scheduling for the erosion and liner repairs under the bridge abutment was planned during the Mendota Pool Dewatering, however an emergency repair of the concrete liner at Check 18 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 to work closely with Reclamation on the DMC Subsidence Correction Project (Project) and is managing the \$2.4M CDM Smith Feasibility Study contract, the \$2.7M Terracon Geotechnical contract, and the \$5.7M Upper DMC Design contract with USBR Technical Services Center (TSC), and a \$2.15M contract for utility locating and mapping along the Upper DMC.

Feasibility Study: The Feasibility Study is in the final stages. Reclamation is working towards securing consultation approvals to obtain a FONSI (Finding of No Significant Impact) and ROD (Record of Decision), both necessary to finalize Reclamation Policy (Policy) sign off. Policy has reviewed the study and finds that it appropriately addresses the need for Upper DMC restoration; however, further review of the Lower DMC repair is required. Reclamation continues to coordinate with Policy as they work through the review. CDM provided the draft Incidental Take Permit (ITP) to the SLDMWA for review. Once finalized the draft will be submitted to CA Fish and Wildlife for coordination. Agency reviews may take upwards of 18 months for final approval.

Geotechnical Exploration: Terracon has submitted the Draft Geotechnical Characterization Report (GCR) to SLDMWA and BOR. Comments are anticipated to be delivered to Terracon in the next reporting period. Once comments are received, Terracon will have 30 days to update and finalize the GCR and then contract will be considered complete.

Project Management: In anticipation of multiple bridge raises, construction packages, and multi-agency coordination efforts, staff executed a Professional Services Agreement with the Hallmark Group, a Capital Program Management consultant, to assist with managing the various aspects of the Subsidence project. The Hallmark team is currently integrating into all aspects of the project.

Design Data Support: Numerous design data collection efforts have been completed and continue to be coordinated. The remaining USBR data support tasks consist of survey data collection as needed by the design team. The

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Professional Services Agreement with Sandis Engineering for utility locating and mapping services was executed last month. Sandis will manage the coordination of various location services along the DMC in both member agency areas and public ROW. Work began in this period and have progressed to milepost 27. Survey crews are following as well as potholing select crossing to verify depths for inclusion into the design drawings.

CP1 Embankment & Liner Raise Design:

- 30% design documents have been submitted by BOR for review. A team of USBR Region, TSC, and SLDMWA met over a three-day review session to identify any fatal flaws in the design. The design review provided USBR valuable direction leading to the 60% design milestone review scheduled for February of 2025. Key findings consisted of the treatment of drainage inlets, identification of subsidence values.
- The subsidence project team has been engaging with the SGMA group to ensure alignment between the groups occurs as it relates to design parameters.

Funding

- CA Department of Water Resources (DWR): SLDMWA is currently in agreement with DWR for \$22.61M with an additional appropriation of \$22.61M available. Access to the second appropriation requires demonstrating a 2/3 non-state match and an ability to liquidate by June 30, 2027 with proportional spending assumed. The SLDMWA is working to develop a plan to ensure the grant is fully utilized.
- Bipartisan Infrastructure Law (BIL): \$25M awarded in FY23. \$50M awarded in FY24. Awaiting award info for FY25 application. Repayment negotiations to begin after FY25 award is announced.

DMC Turnout Flowmeter Upgrade Program – Phase 3 (FY23)

Status: The contract was executed in November 2023 for the purchase of 50 flowmeters from McCrometer. All flowmeters have been delivered, however some outstanding issues remain with the type of brackets that were delivered. Staff are in the process of purchasing the correct brackets from a different vendor, with costs of brackets to be deducted from the McCrometer invoice. Once the new brackets are delivered, the installation of the meters will proceed.

DMC Solar Over Canals 5 Year Pilot Project – USBR Grant Funded

Status: The Financial Assistance Agreement (FAA) application package was prepared and submitted to Reclamation last month. Staff is currently working with Reclamation on the terms of Agreement and providing FAA support details as requested. Award is anticipated in November 2024.

DMC O&M Road Repair (Full Depth Rehabilitation)

Status: Design of the repair is underway. Staff is working with a geotechnical consultant to enter into an agreement to provide a cement mix design for the full depth reclamation which will feed into the technical specifications.

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DMC Underdrain Sedimentation Removal Project

Status: Staff has identified select culverts for cleaning based on ease of access and are currently reaching out to contractor to obtain quotes. Video inspections (CCTV) will be performed pre and post cleaning to quantify the sedimentation and document the success of cleaning and final condition of the culverts.

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). TSC delivered the 98% design package last month, and staff provided their comments. The 100% design package (SpecB) is scheduled to be delivered the the Water Authority next month (October 2024). Solicitation of the project is scheduled to occur in the fall, and be in contract early 2025. Water Authority staff also entered into an agreement with a consultant to assist in managing the project.

JPP Wear Ring Purchase (FY22)

Status: No activity

JPP Concrete Slab by Trashrake Dumpster (FY23)

Status: The project was solicited previously; however, the bids for the concrete pavement were significantly over the approved budget. Staff has determined that the project can be descoped while ensuring all requirements are still met. The project will be re-solicited once plans and specifications have been updated.

JPP Siphon Breaker Communication Upgrades

Status: Project underway, see SCADA Department O&M Report

JPP Trashrake Controls Modernization

Status: Project underway, see SCADA Department O&M Report

JPP Current Transformer (CT) Upgrade (Units 1 & 4)

Status: This work will be done by Reclamation staff under a Letter of Agreement. Staff is working with Reclamation on details regarding scope, funding, and scheduling. Work will need to be completed during a 2 week outage of Units 1 and 4. A October 2024 outage is targeted, pending favorable pumping conditions.

JPP Machine Shop Crane Rehabilitation

Status: No Activity

JPP Rehabilitate Coating on Pump Casings & Bifurcation

Status: Planning activities have began. This project will require an extended outage, and significant coordination to accomplish. At first opportunity, staff anticipates hosting a site visit to allow potential contractors the opportunity to enter the discharge tube to view the current coating condition and the limited access they

EXTRAORDINARY O&M & CAPITAL PROJECTS

will have. Project is currently being solicited, with a site visit to be scheduled in late October.

JPP Plant Flowmetering System Rehabilitation

Status: Planning activities have begun. The plan is to have the equipment on hand to install during the outage for the JPP Pump Casings & Bifurcation project.

JPP Sand Filter System Rehabilitation

Status: No Activity

JPP Unit Valve Replacement

Status: After a six month lead time, all valves and actuators arrived this month. Installation of valves to occur as schedule allows.

JPP UPS Battery Rehabilitation (Unplanned FY25 Project)

Status: While originally planned for FY26, a recent inspection of the battery system revealed that multiple cells were showing signs of failure. Given that the Jones Pumping Plant cannot operate without a fully functional UPS system, it was necessary to accelerate the schedule of the project. The batteries were purchased this month and have an 8-10 week lead time. The original manufacturer will also be repairing the battery charging system in advance of receiving the batteries. The system is expected to be rehabilitated by January 2025 or sooner.

O'NEILL PUMPING/GENERATING PLANT (OPP)

Main Transformers Rehabilitation/Replacement

Status: SLDMWA is currently in contract with Cal Electro Inc. (CEI) to complete the OPP Main Transformers Rehabilitation. The contract was awarded to CEI on May 10, 2023 and the Notice to Proceed was issued on May 18, 2023. SLDMWA is also in a Professional Services Agreement with DHR Hydro Services Inc. to provide project management services for the duration of the CEI contract. CEI's subcontractors include Pennsylvania Transformer Technology Inc. (PTTI), North American Substation Services (NASS), MIDEL, RESA Power, National Coating and Lining (NCL), and Pacific Power Testing (PPT).

The majority of rehabilitation work to the spare transformer has been completed, however approximately two more weeks of work is required before the spare can be acceptance tested. All submittals must be approved prior to CEI mobilizing to the site. SLDMWA, David Roose, and TSC continue to work with CEI to ensure submittals are completed.

Due to the potential water supply impacts, an alternative rehabilitation schedule is being planned that will involve multiple smaller outages utilizing the spare transformer to keep the plant operational while the transformers are rehabilitated. Substantial modifications to the specifications and the CEI contract will be needed, as well as detailed engagement with the appropriate stakeholders.

EXTRAORDINARY O&M & CAPITAL PROJECTS

To better facilitate the rehabilitation of each transformer separately, a new concrete pad was designed and constructed by staff with Reclamation approval.

OPP Upgrades – Pump Bowl Fabrication & Governor Rehabilitation

Status: The agreement with Pentair to complete the engineering, design, and fabrication for the Pump Bowl Replacement Program and the Unit Woodward Governor Replacement projects has been executed. To date, the kick off meeting and site survey has been completed and the project is moving forward with the design phase. 30% document review for the pump bowl design was completed October 1st. The 30% submittal review for the governor system will begin October 14. The 60% submittal review for the bowl design will begin October 21.

OPP UPS Battery Charging System Replacement (FY22)

Status: All materials have been purchased and are on hand, and SLDMWA is currently in agreement with contractor to execute the install. Staff is currently targeting an October outage, pending favorable hydraulic conditions.

OPP Station Service Backup Battery System Replacement (FY23)

Status: All materials have been purchased and are on hand, and SLDMWA is currently in an agreement with contractor to execute the install. Staff is currently targeting an October outage, pending favorable hydrologic conditions.

OPP Cooling Water System Rehabilitation (Phase II) (FY25)

Status: Materials requiring a full plant outage have been purchased and are on hand, awaiting to be executed during an approved outage. Work will be executed by SLDMWA staff. Staff is in the process of identifying the last remaining materials required for the rehabilitation. Staff is currently targeting an October outage, pending favorable hydrologic conditions.

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 researched alternative technology and installed a pilot plant last month to test the performance of a self-cleaning screen filter. Following the evaluation of the V-1000 self cleaning screen filter, it was determined the unit was not reducing the turbidity of the outflow effluent to levels experienced with the sand filter and will not meet the needs. Therefore, staff is moving ahead with developing a design to replace the existing sand filters with new sand filters.

EXTRAORDINARY O&M & CAPITAL PROJECTS

OPP Upgrades – Unit Rewind

Status: No Activity. Start of this project is contingent upon signing a repayment agreement for the BIL funds.

OPP Upgrades – Unit Rehabilitation

Status: No Activity. The start of this project will be timed appropriately with the Unit Rewinds, Pump Bowl Fabrication, and Governor Rehabilitation projects.

OPP Unit 5 Shaft & Pump Repairs (Unplanned FY25 Project)

During 2024 annual maintenance on OPP Unit 5, significant damage and wear to the lower pump bearing shaft sleeve and the stud nuts were discovered. After an engineering review, in coordination with USBR, it was determined that disassembly of the unit was necessary in order to replace and rehab the damaged components to prevent a catastrophic failure. To date, disassembly of the unit has been completed, and staff is currently assessing the damage and undertaking the steps necessary to repair the critical components through a combination of outside contracts and internal labor.

DELTA-MENDOTA CALIFORNIA INTERTIE PUMPING PLANT (DCI)

DCI Motor Protection Relay Replacement

Status: The DCI Motor Protection Relay Replacement is to replace the obsolete GE 369 Multilin Relays with SEL-710 Relays. Staff is currently working with manufacturer on a replacement proposal.

DCI HVAC System Rehabilitation/ Replacement (FY23)

Status: Planning activities began this month.

U1 & U2 Incidence Recovery (Unplanned FY25 Project)

Status: Two separate arc flash incidents resulted in the loss of the motor control controllers for Units 1 and 2. The motor controller sections require replacement to bring the units available. In addition, during the incident investigation, multiple deficiencies were identified and improvements are necessary to enhance control and reliability of the plant. Due to the extensive damage to a critical facility, the Water Authority executed two separate Professional Services Agreements to manage the project. DHR Hydro is managing the project, and assisting with the interface between the Water Authority and Reclamation. Ulteig is providing the necessary technical expertise to review and make recommendations regarding the protective relay system of the plant.

The Water Authority is currently pursuing contracts with Eaton to provide the material and labor for installation and commissioning of the new motor controller sections. Due to the 6-7 month lead time, material will be received and installed next fiscal year. In the meantime, the Water Authority has ongoing work to install equipment upgrades at DCI per the findings of the failure report on the arc flash incident. These upgrades include the installation of a satellite clock to coordinate

EXTRAORDINARY O&M & CAPITAL PROJECTS

the time synchronization of the protective relays, and an annunciator to allow operations personnel to remotely view any specific alarms that actuate while the plant is unmanned.

MULTIPLE FACILITIES

TAO/LBFO Electric Vehicle Charging Stations – Phase 1

Status: Staff intends to enter into a professional services agreement with a consultant to develop a comprehensive plan to ensure the Authority is CARB compliant and has a well thought out plan regarding the purchase of zero emission vehicles. Two consultants have been contacted, and Staff will be evaluating their proposals next month.

TFO Canal Maintenance Wash Water Recycling Equipment Replacement

Status: Equipment has been purchased and received this month. Staff is presently in the planning phase of installation.

TAO Kitchen Remodel

Status: Planning activities have began but are currently on hold.



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

NOTE: ALL FIGURES ARE IN ACRE FEET

	August-2024	August-2023
JONES PUMPING PLANT - PUMPED	245,290	254,815
DCI PLANT - PUMPED	20,021	27,452
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	67,015	66,205
O'NEILL P/G PLANT - GENERATED	1,276	827
DMC DELIVERIES	48,832	48,164
RIVER/WELL/RECYCLE WATER INTO DMC	5,077	5,347
MENDOTA POOL DELIVERIES	104,716	116,153
SHASTA RESERVOIR STORAGE	3,007,300	3,531,000
SAN LUIS RESERVOIR STORAGE	929,556	1,771,418
SLR FEDERAL SHARE	417,728	790,851

	August-2024	August-2023
* SAN LUIS UNIT DELIVERIES	111,474	150,429
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	9,860	15,566

Jones Pumping Plant monthly average = 3,989 cfs



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

Date: 9/9/24

<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	245,290			
Total Pumped @ DCI	(20,021)			
Total Reversed @ DCI	0			
City of Tracy		0	1,049	1,049
Byron Bethany I.D.		530	2	532
West Side I.D.		0	0	0
Banta Carbona I.D.		0	0	0
West Stanislaus I.D.		139	0	139
Patterson I.D.		0	0	0
Del Puerto W.D.		9,081	4	9,085
Central California I.D. - above check #13		1,566	0	1,566
Santa Nella County W.D.		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		1,916	0	1,916
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		1,141	0	1,141
Total Pumped @ O'Neill PP	(67,015)			
Total Generated @ O'Neill PP	1,276			
Central California I.D. - below check #13		21,747	0	21,747
Grasslands W.D. (76.05-L)		3,106	0	3,106
Fish & Game Los Banos Refuge (76.05-L)		717	0	717
Fish & Wildlife Kesterson (76.05-L)		172	0	172
Freitas Unit (76.05-L)		0	0	0
Salt Slough Unit (76.05-L)		1,373	0	1,373
China Island (76.05-L)		573	0	573
San Luis W.D. - below check #13		943	0	943
Panoche W.D.		1,010	2	1,012
Eagle Field W.D.		241	0	241
Oro Loma W.D.		34	0	34
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		3,486	0	3,486
River and Groundwater well pump-in	2,784			
North Valley Regional Recycled Water Program	2,293			
Change in Canal Storage	108			
Wasteway Flushing and Spill	0			
Total Available in Delta-Mendota Canal	164,715			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(48,832)	47,775	1,057	48,832
Theoretical DMC Delivery to Mendota Pool	115,883			
Total DMC Metered Delivery to MP	107,564			
Estimated (Loss) or Gain in DMC	(8,319)			
Estimated % Loss or Gain in DMC	-3.30%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
August 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	107,564			
Mendota Pool Groundwater Well Pump-In	1,507			
(+)SJRRP Releases into Mendota Pool	5,414			
(+)Available Flood Releases from Friant into Mendota Pool	0			
(+)Other San Joaquin River Water	0			
(+)Kings River Flood Releases into Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		56,448	0	56,448
Columbia Canal Company (CCC)		6,149	0	6,149
Firebaugh Canal Water District (FCWD)		4,613	0	4,613
San Luis Canal Company (SLCC)		16,337	0	16,337
<u>Refuge:</u>				
Conveyance Losses		1,029	0	1,029
Calif Dept of F/G-LB Unit (CCID)		239	0	239
Calif Dept of F/G-LB Unit (SLCC)		1,961	0	1,961
Calif Dept of F/G-Salt Slough Unit (CCID)		458	0	458
Calif Dept of F/G-China Island Unit (CCID)		191	0	191
US Fish & Wildlife-San Luis Refuge (SLCC)		0	0	0
US Fish & Wildlife-Freitas (CCID)		0	0	0
US Fish & Wildlife-Kesterson (CCID)		57	0	57
Grasslands WD (CCID)		915	0	915
Grasslands WD (SLCC)		0	0	0
Grasslands (Private)		121	0	121
San Luis WD Conveyance (CCID)		96	0	96
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration Project:</u>				
SJRRP		5,514	0	5,514
<i>Other: (see MP Operations Report)</i>		10,588	0	10,588
<i>Total Available Water in Mendota Pool</i>	114,485			
TOTAL DELIVERY FROM MENDOTA POOL	(104,716)	104,716	0	104,716
*Estimated (Loss) or Gain in Mendota Pool	(9,769)			
*Estimated % Loss or Gain in Mendota Pool	-8.53%			
Total System Delivery	(153,548)			
*Total Estimated System (Loss) or Gain	(18,088)			
*Total Estimated % System Loss or Gain	-6.99%			

Special Notes:



Jones Pumping Plant
August - 2024

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	4	CONTINUOUSLY	3532
2	4	CONTINUOUSLY	3513
3	4	CONTINUOUSLY	3494
4	4	CONTINUOUSLY	3506
5	4	CONTINUOUSLY	3512
6	4	CONTINUOUSLY	3514
7	4	CONTINUOUSLY	3522
8	4-5	08:00	3947
9	5	CONTINUOUSLY	4153
10	5	CONTINUOUSLY	4164
11	5	CONTINUOUSLY	4199
12	5	CONTINUOUSLY	4222
13	5	CONTINUOUSLY	4199
14	5	CONTINUOUSLY	4206
15	5	CONTINUOUSLY	4245
16	5	CONTINUOUSLY	4215
17	5	CONTINUOUSLY	4189
18	5	CONTINUOUSLY	4217
19	5	CONTINUOUSLY	4203
20	5-3	00:01	2690
21	3-5	05:01	3935
22	5	CONTINUOUSLY	4255
23	5	CONTINUOUSLY	4219
24	5	CONTINUOUSLY	4239
25	5	CONTINUOUSLY	4176
26	5	CONTINUOUSLY	4240
27	5	CONTINUOUSLY	4181
28	5	CONTINUOUSLY	4234
29	5	CONTINUOUSLY	4261
30	5	CONTINUOUSLY	4248
31	5	CONTINUOUSLY	4236
AVG CFS for the month			3989



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

Date: 9/4/24

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	15,585	15,585	1	0	BBID	0	0	0	2,527
13.31-L	4,804	4,804	1	0	BBID	0	0	0	0
15.11-R	3,571	3,571	1	0	BBID	0	0	0	567
20.42-L	51,298,261	51,989,389	1	0	BCID	1,199	(60)	1,139	8,361
20.42-L	51,298,261	51,989,389	1	0	USBR/FWA	922	0	922	7,239
21.12-L	990	990	1.01	0	DPWD	0	0	0	0
21.86-L	771	771	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	2,153	2,153	1.03	0	DPWD	0	0	0	1
31.31-L1	87,789	87,790	1	0	WSTAN	0	0	0	0
31.31-L2	87,789	87,790	1	0	DPWD	0	0	0	0
31.31-L3	87,789	87,790	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	1,799	1,799	0.86	0	DPWD	0	0	0	5
33.71-L	756	758	0.94	(2)	DPWD	0	0	0	3
36.80-L	1,852	1,853	1	(1)	DPWD	0	0	0	1
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	0	0	0.96	0	DPWD	0	0	0	0
42.53-L	7,699,510	7,731,003	1	0	PID	0	0	0	0
42.53-L	7,699,510	7,731,003	1	0	DPWD	0	0	0	0
42.53-L	7,699,510	7,731,003	1	0	USBR/FWA	723	0	723	7,745
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	488	488	1	0	SLWD	0	0	0	437
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	3,435	3,435	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								2,784	26,886



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

August 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	5,850	5,850	0.91	0	SLWD	0	0	0	33
79.13-L	1,366	1,366	1	0	SLWD	0	0	0	192
79.13-R	4,976	4,976	1.08	0	SLWD	0	0	0	12
79.60-L	6,824	6,824	0.84	0	SLWD	0	0	0	674
80.03-L	838	838	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	4,090	4,090	1	0	WIDREN WD	0	0	0	0
LOWER DMC SUB TOTAL								0	911
WARREN ACT CONTRACT CREDIT TOTAL								2,784	27,797
TOTAL GROSS PUMP-IN								CREDIT	
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)						0	0	567	
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)						0	0	0	
TOTAL (DEL PUERTO WATER DISTRICT)						0	0	10	
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)						0	0	0	
TOTAL (PATTERSON IRRIGATION DISTRICT)						0	0	0	
TOTAL (SAN LUIS WATER DISTRICT)						0	0	1,348	
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:						1,199	1,139	8,361	
West Stanislaus Irrigation District:						0	0	0	
Byron Bethany Irrigation District:						0	0	2,527	
Patterson Irrigation District:						0	0	0	
San Joaquin River Restoration Pump Back BCID:						922	922	7,239	
San Joaquin River Restoration Pump Back PID:						723	723	7,745	

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: 9/10/2024

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FRESNO SLOUGH	0	87	87	0	7	209	193	148					731
TPUD	0	19	0	0	0	23	17	25					84
JAMES I.D.	2,472	5,669	124	1,276	2,398	5,058	7,633	4,103					28,733
MEYERS	215	344	27	58	142	192	245	1,184					2,407
M.L. DUDLEY & INDART ¹	8	16	0	256	613	634	386	271					2,184
MID VALLEY (Kings River)	0	0	0	0	0	0	0	0					0
REC. DIST. 1606	0	0	0	0	21	39	43	49					152
STATE FISH & WILDLIFE	1,382	898	237	377	1,492	836	928	773					6,923
TRACTION	530	360	197	221	1,160	781	621	370					4,240
UNMETERED	70	60	10	125	150	130	250	350					1,145
Total	1,982	1,318	444	723	2,802	1,747	1,799	1,493	0	0	0	0	12,308
COELHO FAMILY TRUST ²	853	1,206	198	704	1,120	991	954	855					6,881
TRANQUILITY I.D.	0	533	721	1,847	3,583	4,674	4,386	2,330					18,074
WESTLANDS LATERAL-6	0	0	0	0	0	0	196	76					272
WESTLANDS LATERAL-7	0	0	0	0	0	0	0	0					0
CARVALHO TRUST	0	0	16	63	121	147	133	54					534
TOTAL	5,530	9,192	1,617	4,927	10,807	13,714	15,985	10,588	0	0	0	0	72,360

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

1 aka COELHO-GARDNER-HANSEN 2 aka TERRA LINDA FARMS

Article 215 Water

Kings River Water

May Tranquility ID 2,766 AF

May James ID 2,335

Duck Clubs (Percent Full)

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

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

May, 2024
 DMC Inflow 71,654 AF
 James Bypass Flows **7,878** AF

Sept, 2024
 DMC Inflow AF
 James Bypass Flows AF

Feb, 2024
 DMC Inflow 27,454 AF
 James Bypass Flows 0 AF

June, 2024
 DMC Inflow 115,440 A.F
 James Bypass Flows 0 AF

Oct, 2024
 DMC Inflow AF
 James Bypass Flows AF

Mar, 2024
 DMC Inflow 36,998 AF
 James Bypass Flows 0 AF

July, 2024
 DMC Inflow 131,818 AF
 James Bypass Flows 0 AF

Nov, 2024
 DMC Inflow AF
 James Bypass Flows AF

Apr, 2024
 DMC Inflow 42,794 AF
 James Bypass Flows 0 AF

Aug, 2024
 DMC Inflow 107,564 AF
 James Bypass Flows 0 AF

Dec, 2024
 DMC Inflow AF
 James Bypass Flows AF



**MENDOTA POOL WELL PUMP IN
2024**
(ALL FIGURES IN ACRE-FEET)

Date: 9/4/24

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
COELHO FAMILY TRUST ¹	0	0	161	478	1,602	1,445	1,389	513					5,588
M.L. DUDLEY & INDART ²	0	0	97	68	17	298	364	28					872
FORDEL	0	378	688	550	579	0	2	17					2,214
COELHO WEST	0	0	0	0	246	288	282	213					1,029
CASACA VINYARDS	0	0	0	47	238	163	146	63					657
DPF	0	0	0	17	67	60	93	91					328
SOLO MIO	0	0	0	14	119	60	68	37					298
BAKER FARMS	0	0	0	0	0	0	0	0					0
FARMERS W.D.	0	0	0	497	1,025	0	0	0					1,522
MEYERS	0	0	0	0	79	193	277	100					649
MEYERS BANKED	0	0	0	0	0	0	0	0					0
SILVER CREEK	0	0	0	29	281	219	215	140					884
TRANQUILITY I.D.	0	0	0	0	0	0	0	0					0
FCWD	0	0	0	82	95	94	86	90					447
ALMENDRA	0	0	0	0	115	286	331	206					938
YRIBARREN FARMS	0	0	0	0	0	0	0	9					9
CARVALHO TRUST	0	0	0	0	0	93	21	0					114
ETCHEGOINBERRY	0	0	0	0	0	0	0	0					0
FRESNO SLOUGH W.D.	0	0	0	0	0	0	0	0					0
LSK-1	0	0	0	0	0	0	0	0					0
TOTAL	0	378	946	1,782	4,463	3,199	3,274	1,507	0	0	0	0	15,549

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

¹ aka TERRA LINDA FARMS

² aka COELHO-GARDNER-HANSEN

Spill Back Credit

James ID (per JID)

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
0	0	0	0	0	0	0	0					0

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

AUGUST 2024

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 9860			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	6862
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	2998
R3 696	13		DFG @ O'Neill Forebay	8
	13		Parks & Rec. @ O'Neill Forebay	0
	13		DWR Water Truck at O'Neill 0 AF for Cattle Program @ O'Neill Forebay	0
	13		Santa Nella County Water District	28
	13		San Luis Water District	660
R4 21883	14		City of Dos Palos	141
	14		Pacheco Water District	985
	14		San Luis Water District	3819
	14		Panoche Water District	57
	15		San Luis Water District	1553
	15		Panoche Water District	3356
	15		Westlands Water District	11972
R5 45978	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	14469
	17		Westlands Water District	11827
	18		City of Coalinga	1363
	18		Pleasant Valley Pumping Plant	6591
	18		Westlands Water District	11728
R6 18217	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	2
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 28L,29L,&30L	294
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	17921
R7 14840	20		City of Huron @ Lat. 23R	94
	20		DWR Water Truck @ 23R	0
	20		Westlands Water District	10907
	21		City of Avenal	240
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	3599
111474	0		<---TOTALS--->	111474
TOTALS BY CUSTOMERS				
Inflow Into Aqueduct:				
0 AF TOTAL for PUMP-IN				
0 AF TOTAL for FLOOD				
			Santa Nella County Water District	28
			Pacheco Water District	985
			San Luis Water District	6032
			Panoche Water District	3413
			Westlands Water District	89014
			AltaGas	0
			City of Huron @ LAT. 23R	94
			City of Huron (P&R/Area 11 @ 22R)	2
			Lemoore N.A.S. thru WWD @ 28L,29L&30L	294
			Kings County thru WWD Laterals in Reach 6	0
			City of Avenal	240
			City of Dos Palos	141
			City of Coalinga	1363
			DFG @ O'Neill Forebay	8
			Pacheco Tunnel	9860
			DFG @ Lateral 4L & 6L & 7L	0
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	0
			0 AF for DWR Water Truck at O'Neill, 1 AF for Cattle Program @ O'Neill Reservoir	0
Pool 12 - Reach 2B			Customers Total:	111474
VA Turnout Use AF = 54				
DWR 3137(Rev.9/15)				111528



Monthly Availability Report

CW "Bill" Jones Pumping Plant

August - 2024

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%	1	
Unit-2	720	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-3	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-4	720	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-5	720	132.1	18.35%	36.6	5.08%	76.57%	3	On clearance available 8/6/24 @12:04. forced out 8/30/24 BFV leake
Unit-6	720	8.2	1.14%	0.0	0.00%	98.86%	2	
Total	4320	140.3	3%	36.6	0.85%	96.15%	8	

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
August - 2024

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%	3	1	
Unit-2	720	0.0	0.00%	0.0	0.00%	100.00%	2	0	
Unit-3	720	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-4	720	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Unit-5	720	735.0	102.08%	9.0	1.25%	-3.33%	0	0	REHAB
Unit-6	720	0.0	0.00%	0.0	0.00%	100.00%	4	0	
Total	4320	735.0	17%	9.0	0.21%	82.79%	10	1	

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

August - 2024

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	720	0.0	0.00%	744.0	103.33%	-3.33%	0	out for repairs
Unit-2	720	0.0	0.00%	744.0	103.33%	-3.33%	0	out for repairs
Unit-3	720	8.1	1.13%	177.1	24.60%	74.27%	3	
Unit-4	720	8.1	1.13%	177.0	24.58%	74.29%	3	
Unit-5	720	8.1	1.13%	177.0	24.58%	74.29%	4	
Unit-6	720	8.1	1.13%	176.7	24.54%	74.33%	2	
Total	4320	32.4	1%	2195.8	50.83%	48.17%	12	

Notes:

(1) Planned maintenance

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