



September 14, 2023

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for August 2023

### **OPERATIONS DEPARTMENT**

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 0-5 units during the month of August. The average rate of pumping for the JPP was 4,144 cfs for the month of August.

Total pumping at the JPP for the month of August was 254,815 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 827 acre-feet, and pumped 66,205 acre-feet during the month. 27,452 acre-feet was pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and 0 acre-feet was reversed from the DCI into the DMC for the month of August.

The Federal share in the San Luis Reservoir at the end of August was 790,583 acre-feet as compared to 185,265 acre-feet for the end of August 2022.

During the month of August, releases from Friant Dam ranged from 349 to 426 cfs with 7,771 acre-feet entering the Mendota Pool during the month. Flows past the Mendota Dam for the San Joaquin River Restoration Program (SJRRP) were 7,270 acre-feet for the month of August. During the month of August, an additional 2,668 acre-feet of Kings River water entered the Mendota Pool via the James Bypass.

### **Canal Operations Department**

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

- Pitot Tube flow measurements at MP's

19.40 R	47.37 R	69.99 SLC
22.50 R	47.89 RA	79.13 L
25.02 L	49.56 R	81.80 R
25.02 R	50.66 L	82.31 L
25.63 R	50.70 R	86.71 R
32.36 L	53.41 L	105.03 L
34.63 R	58.90 L	105.05 L
36.39 L	61.37 R	Meyers Eastside #1
37.33 L	62.67 L	
40.39 R	67.55 L	

- Open Channel flow measurement at MP's

4.98	72.38	76.05	115.90
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- Serviced flow meters at MP's

8.51L	19.40R	25.65L	42.51L
16.64R	19.59R	26.21R	43.22L
17.59 L	22.78 L	26.89 R	43.73 L
17.77 R	23.41 L	26.95 L	46.83 L
18.05 L	23.81 L	41.03 L	61.37 R
18.60 L	24.38 L	41.53 L	68.03 L
19.18 L	25.02 L	41.53 R	78.56 RA
19.39 L	25.18 L	42.10 R	81.80 R

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

### **Other Activities**

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

- C-22-JP-91 JPP Unit 3 rewind/annual maintenance
- C-23-JP-23 JPP Unit 3 suction elbow
- C-23-DM-35 Volta Well pump removal and inspect
- C-23-JP-41 JPP Unit 2 exciter brushes
- C-23-TFF-42 TFF DZA fuse replacement
- C-23-JP-43 JPP Unit 3 oil leak inspection motor housing
- C-23-JP-43A JPP Unit 3 oil leak inspection motor housing
- C-23-JP-44 JPP Unit 3 balance/commissioning
- C-23-JP-45 JPP Unit 3 balance/commissioning
- C-23-JP-46 JPP Unit 3 install test equipment/commissioning
- C-23-JP-47 JPP Unit 3 starting switch replacement
- C-23-JP-48 JPP Unit 3 commissioning testing
- C-23-DM-49 DMC Milepost 67.55 turnout gate replacement
- C-23-JP-50 JPP Unit 3 commissioning testing
- C-23-JP-51 JPP Unit 3 oil leak inspection brake housing
- C-23-JP-51A JPP Unit 3 oil leak inspection air housing
- C-23-JP-52 JPP Unit 3 speed head repair

## **MAINTENANCE DEPARTMENT**

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

### **Jones Pumping Plant**

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

- Replaced 125v DC flood alarm float in JPP Butterfly Gallery
- JPP Unit 3 Rewind Project reassembly
- Changed JPP Unit 2 commutator brushes
- JPP Unit 1 62ms timer troubleshoot and repair
- Repaired and replaced loop reader indication devices
- JPP siphon breaker system electrical test and inspection 12 month PM
- Troubleshoot and repair of RPM indicator on speed switch
- Emergency lighting inspection PM
- Air wash unit pump troubleshoot and repair

#### **Mechanical Maintenance Crews:**

- JPP Unit 3 Rewind Project reassembly
- Repaired trash rake at JPP
- JPP gripper rake rehabilitation
- Replaced pump on the air wash unit
- Painted JPP Cable Floor bathroom
- Monthly monorail gripper rake PM
- Monthly JPP 100/20 Ton crane/hoist PM
- Monthly low pressure air compressor #1 PM
- Monthly low pressure air compressor #2 PM
- Monthly JPP 21 Ton crane/hoist PM
- Monthly TFO car wash water recycling unit PM
- Quarterly JPP 100/20 Ton crane/hoist PM
- Quarterly JPP 21 Ton crane/hoist PM
- Bi Annual JPP North bank CO2 bottle PM
- Bi Annual JPP South bank CO2 bottle PM
- JPP spare bank CO2 bottle PM
- 12-month landscape irrigation system sand filter assembly PM
- 12 Month JPP butterfly valve air system receiver PM
- 12 Month JPP butterfly valve discharge tube unwatering system PM

#### **Civil Maintenance Crews:**

- Trash rack cleaning support

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

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

- OPP Siphon Building compressor automation development program
- OPP Air Rover A/C #12 investigation and repair
- OPP Siphon Building primary vacuum pumps 1,2, and 3 quarterly PM
- OPP emergency lighting PM
- OPP Unit 4 penstock flowmeter console replacement project
- OPP Station Service battery internal resistance test and inspection PM

- OPP Station Service battery test and inspection PM
- OPP trash rake crane test and inspection PM
- OPP 1 Ton chain hoist crane test and inspection PM
- OPP trash rake crane test and inspection PM
- OPP UPS battery internal resistance test and inspection PM
- OPP 5 Ton stop log gantry crane test and inspection PM
- OPP 5 Ton stop log hoist crane test and inspection PM
- OPP 1/2 Ton chain hoist crane test and inspection PM
- OPP 3 Ton jib crane test and inspection PM
- OPP 3 Ton chain hoist crane test and inspection PM
- OPP domestic water pump test and inspection PM
- OPP Siphon Building compressor #1 test and inspection quarterly PM
- Machine Shop welding equipment test and inspection PM
- OPP compressed air system LP test and inspection
- OPP security gates test and inspection PM
- OPP sump pump test and inspection PM
- OPP Station Service battery charger test and inspection PM
- OPP Station Service dry transformer test and inspection PM
- OPP annunciator panel test and inspection PM
- OPP Siphon Building compressor automation development program
- OPP 65/10 Ton bridge crane test and inspection PM
- OPP cathodic protection system test and inspection PM
- OPP CO2 cylinder Inspection quarterly PM
- OPP U1 vibration monitoring device development project
- OPP air, heat, and vent system test and inspection quarterly PM
- OPP UPS battery internal resistance test PM

#### Mechanical Maintenance Crews:

- Installed Air Rover A/C #11 in compressor room
- OPP Unit 5 cooling water piping investigation and repair
- OPP Siphon Building primary vacuum pump #3 primary seal leak repair
- OPP Siphon Building rebuild OU-6 bailey valve vacuum line leak repair
- OPP 5 Ton stop log gantry crane test and inspection PM
- OPP Unit 1 generator breaker STA linkage adjustment repair
- OPP 3 Ton jib crane test and inspection PM
- OPP Siphon House Unit 5 bailey valve investigation and repair
- OPP 1/2 Ton chain hoist crane test and inspection PM
- OPP sump inspection
- OPP 65 Ton bridge crane test and inspection PM
- OPP 65/10 Ton crane test and inspection PM
- OPP Unit 6 stuffing box leak repairs
- OPP sewage system test and inspection PM
- OPP spare Kinney Strainer rebuild and fabrication
- OPP compressed air system cooling water supply line investigation and repair
- OPP service air low pressure compressor test and inspection PM
- OPP compressed air system water cooler supply line investigation and repair
- OPP 1 Ton chain hoist crane test and inspection PM
- OPP low pressure air compressor test and inspection PM

### Civil Maintenance Crews:

- None to report

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

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

- Investigate and repair louver fan system operation

#### Mechanical Maintenance Crews:

- None to report

### Civil Maintenance Crews:

- Monthly generator PM
- Assist USBR with diffuser panel inspection (Units 3 and 4)

### **Delta-Mendota Canal**

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

- DMC supervisory control system battery maintenance 12-month PM (Checks 1-12)
- Check 1 level indicator troubleshoot and repair
- DMC Checks 1-12 C&I calibration and inspection 12-month PM
- LBFO carport lighting replacement prep and repair
- Annual LBFO electrical system inspection PM
- Troubleshoot and repair communication loss at MP 115.90 SonTek flowmeter

#### Mechanical Maintenance Crews:

- Replace paint booth filter keeper guards
- DMC Check 21 gate 1 oil leak investigation and repair

### Civil Maintenance Crews:

- Mechanical weed control MP 1.00 to 116.00
- Check structure maintenance PM
- Trash collection from MP 60.00 to 116.00
- Test can modifications along the DMC
- Repair gates and fences along the DMC from MP 1.00 to 60.00
- LBFO above ground fuel storage tank inspection PM
- Repaired erosion damage from MP 1.00 to 116.00
- Grading of DMC roads from MP 1.00 to 116.00 PM
- Cleaned drain inlets from MP 1.00 to 60.00 PM
- Volta Wasteway road grading PM
- Fabricate handrails
- Clean and paint check buildings
- Pot hole repair
- Farm bridge repair at MP's 4.98, 5.67, 12.31, 20.96, and 26.93
- Landscape maintenance of Control Building grounds
- Quarterly Hazmat inspection at LBFO
- Prep work along the DMC for the Chip Seal contract
- HVAC Inspection at LBAO

## **Tracy Field Office**

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

- 12-month PM of the Hazardous Waste storage area electrical equipment
- 12-month PM of the Industrial Water Strainer
- 12-month PM inspection of Industrial Water Tank #1 anodes
- 12-month PM inspection of Industrial Water Tank #2 anodes
- 12-month PM Water Treatment Plant electrical and inspection
- 12-month PM of JPP/OPP industrial water system controls
- 6-month PM of the CMT/VMT HVAC system
- Replaced exhaust fans in TAO bathrooms
- Investigated and repaired power loss to sand filter backwash valve
- Repaired lighting fixtures in the Electric Shop and Warehouse

### **Mechanical Maintenance Crews:**

- Annual bathroom facility Inspection
- Installed active shooter protection bolts to TAO doors
- JPP Domestic Water Treatment Plant prep and pipe work
- TFO plumbing repairs

### **Civil Maintenance Crews:**

- JPP trash rack cleaning
- Monthly office air filter and lighting PM
- Fire extinguisher, eyewash station, first aid and defibrillator inspection PM
- Water Treatment Plant roof replacement

### **Other Activities**

- Volta Well #2 flowmeter test and calibration

### **USBR Support Services**

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

- TFF Emergency repair of a blown fuse in the KZA Transformer
- TFF Hyacinth and Egeria weed removal support
- Delta Cross Channel Bait Station monitoring
- USBR Urban inspection

## **ENGINEERING DEPARTMENT**

- Data management of well readings and creation of Warren Act hydrographs
- DCI U3 & U4 SCADA development
- JPP OPERATOR2 server replacement
- Operator C station development
- OPP Actuator rod procurement
- OPP SCADA user station development
- OPP Insulation tester replacement
- OPP Unit 1 vibration monitor replacement
- OPP Siphon House air compressor replacement
- DMC Check motor replacement

- DMC Turnout abandonment procedure development
- OPP Kinney Strainer shaft repair
- OPP Compressed air dryer replacement
- OPP Trash Rack for Industrial Water Inlet
- DMC Drain inlet cleaning support
- Clearing of the inlet of the culvert crossing @ MP56.19
- Jones 2X excitation timer replacement
- Jones Unit 6 warranty inspection prep work

### **Land Management Activity Summary:**

The Engineering staff issued five (6) access permits this month:

- Access permit P2402020 was issued to Del Puerto Water District allowing drafting of water from the canal at Milepost 45.75-R for dust control at the STANCO Landfill Facility.
- Access permit P2402021 was issued to San Luis Water District to repair the existing regulating valve on the pump located on the Delta-Mendota Canal at MP86.71-R.
- Emergency access permit P2402022 was issued to Del Puerto Water District allowing them to repair the existing underground pipeline servicing the turnout at Milepost 27.82-R on the Delta-Mendota Canal.
- Access permit P2402023 was issued to Central California Irrigation District allowing them to temporarily store material and equipment for the upcoming Orestimba Creek Recharge project.
- Access permit P2402024 was issued to Del Puerto Water District to install a temporary turnout for construction purposes on the Delta-Mendota Canal near Milepost 40.00-R.
- Access permit P2402025 was issued to Del Puerto Water District allowing temporary drafting of water for construction purposes at Milepost 39.20-R.

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

- Orestimba Creek Recharge Project
- Rogers Road Bridge replacement, 65% comments
- Nees Ave Bridge replacement, Fresno County Public Works

### **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 August to all SLDMWA staff:
  - 8-1-2023 Hazard Communications
  - 8-2-2023 Confined Space Entry
  - 8-3-2023 Lock Out/Tag Out
  - 8-4-2023 Preventing Hand, Wrist, and Finger Injuries
- Provided Safety Message for August 2023 Newsletter
  - Take Safety Home
- Scheduled annual hearing tests for selected employees
- Conducted Quarterly Safety Meeting message – Disaster Service Worker
- Conducted New Hire Safety Orientation for: Danny Alves and Tony Lopez, TFO Maintenance workers

- Conducted FHECP recertification training
- Conducted HECF/Lock Out/Tag Out training to Contractors
- Provided Confined Space Rescue standby at DCI

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

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

- Continuous staff training and support for newer employees
- Completed semi-annual E-waste recycling
- Resolved various invoice issues and disputes
- Closed out several pending NetSuite tickets for various issues
- WAM staff attended August Quarterly Safety Meeting
- Completed second review of internal boilerplates/templates with legal
- Completed final draft of FY25 O&M Budget
- Contracts/PO Agreements/LOA's Status Update:
  - F23-TFF-017 Tension Arm Repairs - Contract executed 4/12/23 with start date still pending funding from Bureau
  - F24-OPP-003 Plant Water Storage Tank Rehab - Notice of Intent to Award issued, pending board approval 9/14
  - F24-TFO-001 Slurry Seal Project – <\$60k. Contract executed on 8/2/23 with work anticipated 10/5/23
  - F24-DMC-012 DMC Chip Seal Project – Contract executed on 8/10/23 with work anticipated September 2023
  - F24-OPP-013 UPS Battery Replacement – No bids received on due date, working with single vendor and pending receipt of bid documents
  - F24-OPP-009 Station Service Backup Battery Replacement – Received one single bid with revisions needed. Pending updated bid documents from vendor
  - F24-ALL-006 Heavy Equipment Rental Master Agreement – Pre-solicitation stage, Scope of Work (SOW) being developed
  - F24-DMC-010 Diving Services Master Agreement – Pre-solicitation stage, developing SOW for contract
  - F24-ALL-005 Biological Survey Master Agreement - Pre-solicitation stage, developing SOW for contract
  - F24-TFO-002 Fuel Delivery Master Agreement – Pre-solicitation stage
  - F24-TFF-016 Wood Grinding and Pole Disposal Contract – Solicitation stage, bid due date 9/20
  - F24-DMC-014 Flowmeter Phase 3 – Received quote from McCrometer and pending internal review with Engineering – Single Source Contract
  - F24-ALL-017 Storm Drain Vault Cleaning – PO issued 8/22
  - F24-OPP-019 Transformer Rehabilitation Project Management – Professional Services Contract Executed 8/18
  - F24-JPP-018 Units 1-6 Rewind Inspection – Professional Services Contract Executed 8/15
  - F22-DMC-047 DMC Subsidence - Change Order 1 executed on 8/4
  - F24-ALL-020 Fire Sprinkler Inspection – Pre-solicitation stage, pending SOW update from Project Manager

### Ongoing:

- Purchasing in support of the O&M crews and maintaining/replenishing warehouse stock



- Warehouse receiving, stocking, and distribution
- Invoicing and processing vendor bills/vendor credits/invoice disputes
- Participated in NetSuite weekly & biweekly meetings
- Contract Management/Administration activities, including bi-weekly contract update meetings with Engineering staff
- Developing/implementing purchasing/procurement and asset/inventory procedures/boilerplate templates
- Bi-weekly WAM staff meetings to discuss updates/issues
- Contract invoice payment reviews, invoice disputes as needed, invoice payments
- Continuous testing for improvements to procedures in NetSuite, as well as ongoing issues related to NetSuite constraints
- Development of Blanket Contracts and Blanket Purchase Orders/Agreements
- Reviewing/closing out old/open PO's in NetSuite
- Reviewing and marking dead stock inventory for disposal
- Bi-weekly Shepherd meetings

## **INFORMATION TECHNOLOGY DEPARTMENT**

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

### Administrative Activities:

- Monthly FAC, WRC and BOD meetings with Zoom
- Create policies for BYOD with Legal
- FY25 O&M Budget
- Strategic Plan Workshop
- South of Delta Drought Plan meeting
- Finalized FMT contract move to Citrin Cooper

### General Network & Desktop Support:

- Desktop support calls
- Research impacts of CA AB1637 on SLDMWA website
- Firewall firmware updates
- Verified lateral network activity as reported by Darktrace
- LBAO Board Room sound troubleshooting
- Office 2021 email issues with General Council (GC)
- Create archive files and email available for research of GC
- Rebuild laptop for O&M Manager
- Server security updates

### Ongoing:

- NetSuite
  - User and Administration
  - Bi-Weekly Implementation Team meetings
  - Monitor Citrin Cooper support activities for NetSuite
- Server refresh prep for deployment to LBAO, LBFO, OPP, SAC
  - WAM Servers, prepping for redeployment
- Cybersecurity
  - Monitor Symantec Anti-Virus Management Console
  - Security updates on Servers

- Monitor Firewall
- Monitor Darktrace appliance reporting
- Update additional AV security settings
- Multi Factor Authentication (MFA) vendor SurePassID
- Cyber Security training and webinars
  - Cyber Readiness Institution Certification course
- Cyber Security Team
  - Cyber Security Incidence Response Plan
  - Disaster Recovery Plan
  - Business Continuity Plan
- Monitor IBM (MAAS360) Mobile Device Management (MDM)
- Review Infragard dispatches – FBI Cyber Security group
- Monitoring Darktrace Cyber Security appliance in IT network
  - Advanced configurations IT/OT
- Troubleshoot email autodiscover issues
- Water Operations iPads and new app deployments via MDM
- Deployment Office 2021
- Gate control and request quote from vendor(s)
- 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 BOR

## **HUMAN RESOURCE DEPARTMENT**

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

### General Administrative Activities:

- Active Recruitments
  - Control Operator
- Closed Recruitments
  - None to report
- Candidates Selected
  - None to report
- Skills testing
  - None to report
- New Hire Orientations
  - None to report
- ADA Accommodations

### Trainings:

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

### Government Reporting:

- EEOC report tracking
- Affirmative Action report tracking

Ongoing:

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

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

### **DELTA-MENDOTA CANAL (DMC)**

#### **Bridge Abutment Repair at MP 92.73 (FY21)**

Status: No changes this month. PG&E has completed the relocation of the 6-inch gas transmission line that crosses under the MP 92.73 bridge serving the City of Dos Palos. In the process of removing the pipeline from the bridge, PG&E's contractor damaged the concrete stem wall. Staff performed a visual inspection with PG&E inspectors and contractor and determined that the damage is within SLDMWA's capabilities for repair. PG&E has agreed to reimburse SLDMWA the full cost of the repair (\$40k estimate), which is currently scheduled to be completed with the erosion repair. Scheduling for the erosion and liner repairs under the bridge abutment was planned for Spring 2023; however, there is a discussion of a planned Mendota Pool Dewatering which will allow SLDMWA to perform the repair in the dry. This will save SLDMWA money and time for construction and allow us to repair an adjacent site. Further planning and discussions are required. In the meantime, the bridge remains closed until repairs are complete.

#### **DMC Subsidence Correction Project**

Status: SLDMWA is continuing to work closely with Reclamation on the DMC Subsidence Correction Project and is managing the \$2.4M CDM Smith Feasibility Study contract, and the \$2.7M Terracon Geotechnical contract. The Feasibility Report is expected to be completed in approximately one year, with certain environmental permitting extending longer as needed. The Final Draft Report has been delayed while the USBR review is ongoing. The Feasibility Team held a Technical Workshop with the USBR policy group and reviewers. The team will review comments generated by the workshop and address them to the extent practicable. It is anticipated that this workshop session will result in an expedited policy review. CDM Subconsultants are preparing the final Wetland Delineation and Archeological reports over the next couple of reporting periods. These documents support the environmental and permitting efforts and have no bearing on the Feasibility Study. Geotechnical consultant, Terracon, was awarded a Contract Amendment to complete the final Geotechnical Investigation Phases 2 & 3 in December 2022 and has completed 100% of the CPT's, 93% of the drill holes, and 100% of test pits. Terracon encountered subsurface conditions that did not allow for quality sampling conditions and changed the drilling method to mud rotary for the remaining drill holes at a negotiated rate via a Change Order. The change order of \$173,527.80 amounted to a 4.9% change to the original contract amount. Additional services are being requested by USBR to have Terracon prepare foundation design recommendations. USBR has prepared a draft SOW for SLDMWA review. It is anticipated that a new proposal will be prepared in support of a new contract over the next couple reporting periods.

Numerous design data collection efforts have been coordinated and continue to be discussed. This month SLDMWA staff coordinated the cleaning of the drainage inlets to allow USBR staff to perform an assessment of the structures. This effort is ongoing and anticipated to be completed next month. Looking towards the fall, USBR is planning to visit the DMC to assess conditions of the

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

Lower DMC Embankments during a planned dewatering of the Mendota Pool. The assessment will include a photogrammetric survey to capture topographic data of the Lower DMC canal prism.

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

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

Status: Recent revisions in the number of flowmeters that need to be upgraded, as per feedback from the operations team. Staff have provided McCrometer with the final meter list and specs and are now awaiting final quote. A single-source contract will be pursued. Contract is expected to be executed within the next few months.

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

Status: Work began on August 30, 2023 at Milepost 39.21 (Rogers Rd.) and was completed on September 6, 2023 at Milepost 14.80 (Corral Hollow Rd.). A total of 24.41 miles were chip sealed by Talley Oil, Inc. The contracting amount of the project totaled \$310,229.72.

### **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. The 100% design package (SpecB) is scheduled for completion in October 2023. 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.

#### **JPP Wear Ring Purchase (FY22)**

Status: No activity

#### **JPP Unit No. 3 Rewind**

Status: Jones Unit 3 Rewind Project is complete. Performance testing of the unit was completed during the week of 8/21/2023 and the unit was returned to service on 8/15/2023. Reclamation is preparing the substantial complete letter and acceptance of the performance test results. Staff is preparing the final invoices for the project.

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

Status: A ground fault incident occurred in October 2021 that damaged the main feeder switchgear and bushing box in switchgear building UZ11A. Partial repairs were made, and the building is currently energized via adjacent switchgear building

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

UZ8A (or UZ6A depending on circumstance). A two-phased contract was issued to Powell, the original designer and installer of the switchgear building, to supply repair materials (Phase 1), and perform the onsite repair work (Phase 2). Phase 1 supply contract has been completed, which included supplying the replacement bushing box, CTs, surge arresters, other damaged components. The onsite repair work (Phase 2) is scheduled to begin on September 18, 2023. The project is currently planned to be completed by October 6, 2023. NOTE: SLDMWA staff is working with the contractor to minimize the outage window for the repair work by utilizing longer shifts and a 7-day per week work schedule. CVO has provided approval for the two unit outage (U2 & U6). These units are the units connected to the UZ11A Switchgear Building.

### **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 currently being prepared in order to formally solicit for construction. The design drawings have been completed. Currently, the project engineer is actively engaged in developing the project specifications which are 70% complete.

### **O'NEILL PUMPING/GENERATING PLANT (OPP)**

#### **Main Transformers Rehabilitation/Replacement**

Status: A Transformer Condition Assessment was performed by TSC in 2019. The transformers were in such poor condition that it was recommended that the transformers be refurbished or replaced. A Value Planning Study was conducted in 2020 and concluded to refurbish/rehabilitate the transformers in short term and plan to replace the transformers in the future. Emergency measures were also performed which included replacing (3) obsolete high voltage bushings (2019) and hot oil reconditioning of the in-service transformers (2020) to ensure transformers remained eligible for rehabilitation.

The SLDMWA awarded the rehabilitation contract to Cal Electro Inc. (CEI) on May 10<sup>th</sup> (Board approved award on May 4<sup>th</sup>) and the Notice to Proceed was issued on May 18<sup>th</sup>. The construction required 45-day system outage at O'Neill PG Plant is planned for April-May 2024, pending favorable hydraulic conditions. Monitoring transformer insulation fluid continues quarterly with recent results confirming the insulating oil is still in good condition. Pennsylvania Transformers Inc. (PTI, transformer OEM) is providing support to CEI for the Project. CEI has added RESA Power as a subcontractor to initiate inspections on the transformers to evaluate plans for the rehabilitation. RESA performed the inspections on July 27<sup>th</sup>. SLDMWA has entered into a professional services contract with DHR Hydro Services, Inc. for project management services. CEI is currently in the submittal review and approval process.

#### **OPP Upgrades (Previously Pump Bowl Modification & Replacement)**

Status: The Water Authority is moving forward with the projects included in the 10 Year Plan, with many of them identified to be included in an upcoming BIL application. Developing design and construction cost estimates for all BIL identified projects

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

is a priority right now, and will be completed through the use of Reclamation TSC, private engineering consultants, and internal staff.

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

Status: Staff created the contract scope of work and solicited quotes in early August. One contractor returned a bid on the project and we should be entering into a contract with them in September. Installation of system is scheduled to occur during the planned outage for the OPP Main Transformer Rehabilitation project.

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

Status: Staff created the contract scope of work and solicited quotes. One contractor returned a bid and we should be entering into a contract with them in September. Installation of system will be done concurrently with the UPS Battery Charging System Replacement during the planned outage for the OPP Main Transformer Rehabilitation project.

### OPP Accusonic Flowmeter Console Upgrades (FY23)

Status: No activities this month. Staff is awaiting an outage in order to install the final 2 units. The other four (4) consoles have been installed and are fully operational.

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

Status: The project was re-bid under the formal bidding procedures in early August. Two bids were received. The low bid was for \$200,150. The bid amounts exceeded the approved budget for the project. As a result, the request for additional funding and contract award will be presented to the Board of Director's at the September board meeting.

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

Status: Design will be performed using internal staff. Rehabilitation is anticipated to be a replacement in kind, with minor modernizations and improvements. In depth design services will not be required.

### OPP Sand Filter System Rehabilitation Design (FY24)

Status: Design will be performed using internal staff. Rehabilitation is anticipated to be a replacement in kind, with minor modernizations and improvements. In depth design services will not be required. Given the difficulty of replacing these large tanks within the building with no easy access path, the project will now target rehabilitating the existing tanks. 1 of the 5 tanks will be taken out of service for inspection and rehabilitation. If it is determined that the existing tank can be placed back in service and provide 15 years of reliable operation, the other tanks will receive the same rehabilitation.

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

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

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

Status: Replacement water treatment equipment has been ordered with an anticipated delivery date of October 2023. Construction has begun and to date the roof has been replaced and grading of the surrounding area is underway.

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

Status: Due to budgetary constraints, the scope of the project has been reduced to only the USBR's parking lot instead of the entire compound. A RFQ was issued last month and bids were received to coat and stripe the site per Caltrans Standard Specification 37-3 Slurry Seal. American Asphalt has been awarded the contract to slurry seal and stripe the parking lot for the amount of \$59,985.20. The slurry seal of the USBR parking lot has been scheduled for October 5<sup>th</sup> and 6<sup>th</sup>, and the striping will occur on October 13<sup>th</sup>, 2023.

### **MULTIPLE FACILITIES**

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

Status: The Analysis was conducted by Reclamation TSC through a LOA. The onsite surveys for TFO, LBFO, and DCI were completed in September 2022. The Arc Flash Hazard Analysis Reports are expected to be completed by September 2023. SLDMWA staff is providing support to Reclamation TSC staff as needed.

#### **SCADA System Evaluation (FY23)**

Status: The development of controls and SCADA standards and best practices is in process. Staff is continuing to work on the project, with the following tasks in progress:

- Developing a plan for obsolescence, remediation and continuous improvement of SCADA and controls;
- Developing plan for testing the security, speed, and proper use of DWR fiber; Implementing the second step of cyber security device (DarkTrace);
- Developing a plan for file structure and file backup on new file server;
- Implementing new wiring structure and organization plan into current rack system;
- Developing a plan to implement new active directory server into current system with minimal downtime;
- Finalizing software conversion plan;
- Developing plan to implement CISA and federal cyber security mandated requirements with the least amount of system downtime; and
- Developing plan for remediation of controls and communication for siphon house alerts.
- No new developments this month.





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

*NOTE: ALL FIGURES ARE IN ACRE FEET*

	<b>July-2023</b>	<b>July-2022</b>
JONES PUMPING PLANT - PUMPED	249,907	149,108
DCI PLANT - PUMPED	24,788	0
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	147,070	14,023
O'NEILL P/G PLANT - GENERATED	1,119	11,314
DMC DELIVERIES	53,663	45,737
RIVER/WELL/RECYCLE WATER INTO DMC	4,626	3,564
MENDOTA POOL DELIVERIES	131,629	103,452
SHASTA RESERVOIR STORAGE	3,889,800	1,453,600
SAN LUIS RESERVOIR STORAGE	1,861,181	418,930
FEDERAL SHARE	891,970	174,370

	<b>July-2023</b>	<b>July-2022</b>
*SAN LUIS UNIT DELIVERIES	20,100	54,466
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	12,585	8,081

Jones Pumping Plant monthly average = 4,064 cfs



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

Date: 8/16/23  
Revised 8/28/23

<u>District/Other</u>	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
<b>Total Pumped @ Jones Pumping Plant</b>	<b>249,907</b>			
<b>Total Pumped @ DCI</b>	<b>(24,788)</b>			
<b>Total Reversed @ DCI</b>	<b>0</b>			
City of Tracy		0	1,336	1,336
Byron Bethany I.D.		680	2	682
West Side I.D.		0	0	0
Banta Carbona I.D.		587	0	587
West Stanislaus I.D.		169	0	169
Patterson I.D.		476	0	476
Del Puerto W.D.		14,213	9	14,222
Central California I.D. - above check #13		3,142	0	3,142
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Wildlife)		1,086	0	1,086
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		141	0	141
<b>Total Pumped @ O'Neill PP</b>	<b>(147,070)</b>			
<b>Total Generated @ O'Neill PP</b>	<b>1,119</b>			
Central California I.D. - below check #13		23,689	0	23,689
Grasslands W.D. (76.05-L)		797	0	797
Fish & Game Los Banos Refuge (76.05-L)		349	0	349
Fish & Wildlife Kesterson (76.05-L)		0	0	0
Freitas Unit (76.05-L)		86	0	86
Salt Slough Unit (76.05-L)		353	0	353
China Island (76.05-L)		141	0	141
San Luis W.D. - below check #13		2,012	1	2,013
Panoche W.D.		1,194	2	1,196
Eagle Field W.D.		439	0	439
Oro Loma W.D.		42	0	42
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		2,717	0	2,717
River and Groundwater well pump-in	2,510			
North Valley Regional Recycled Water Program	2,116			
Change in Canal Storage	(75)			
Wasteway Flushing and Spill	0			
<b>Total Available in Delta-Mendota Canal</b>	<b>83,719</b>			
<b>TOTAL DELIVERY FROM DELTA-MENDOTA CANAL</b>	<b>(53,663)</b>	<b>52,313</b>	<b>1,350</b>	<b>53,663</b>
Theoretical DMC Delivery to Mendota Pool	30,056			
Total DMC Delivery to MP	23,852			
Estimated (Loss) or Gain in DMC	(6,204)			
Estimated % Loss or Gain in DMC	-2.47%			



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

<u>District/Other</u>	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
Estimated DMC Inflow to MP	23,852			
Mendota Pool Groundwater Well Pump-In	85			
(+) SJRR Releases into Mendota Pool	6,218			
(+)Available Flood Releases from Friant into Mendota Pool	48,149			
(+)Other San Joaquin River Water	0			
(+)Kings River Flood Releases into Mendota Pool	104,100			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		71,095	0	71,095
Columbia Canal Company (CCC)		6,325	0	6,325
Firebaugh Canal Water District (FCWD)		6,426	0	6,426
San Luis Canal Company (SLCC)		26,192	0	26,192
<u>Refuge:</u>				
Conveyance Losses		0	0	0
Calif Dept of F/G-LB Unit (CCID)		116	0	116
Calif Dept of F/G-LB Unit (SLCC)		0	0	0
Calif Dept of F/G-Salt Slough Unit (CCID)		118	0	118
Calif Dept of F/G-China Island Unit (CCID)		47	0	47
US Fish & Wildlife-San Luis Refuge (SLCC)		0	0	0
US Fish & Wildlife-Freitas (CCID)		28	0	28
US Fish & Wildlife-Kesterson (CCID)		0	0	0
Grasslands WD (CCID)		233	0	233
Grasslands WD (SLCC)		0	0	0
Grasslands (Private)		32	0	32
San Luis WD Conveyance (CCID)		295	0	295
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration Project:</u>				
SJRRP		6,218	0	6,218
<i>Other: (see MP Operations Report)</i>		14,504	0	14,504
<i>Total Available Water in Mendota Pool</i>	182,404			
<b>TOTAL DELIVERY FROM MENDOTA POOL</b>	<b>(131,629)</b>	<b>131,629</b>	<b>0</b>	<b>131,629</b>
*Estimated (Loss) or Gain in Mendota Pool	(50,775)			
*Estimated % Loss or Gain in Mendota Pool	-27.84%			
Total System Delivery	(185,292)			
<b>*Total Estimated System (Loss) or Gain</b>	<b>(56,979)</b>			
<b>*Total Estimated % System Loss or Gain</b>	<b>-13.76%</b>			

**Special Notes: Flood Releases from Friant Dam and Pine Flat Dam reducing and transition to DMC for MP supply**



Jones Pumping Plant  
July - 2023

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	5	CONTINUOUSLY	3544
2	5	CONTINUOUSLY	3529
3	5	CONTINUOUSLY	3537
4	5	CONTINUOUSLY	3379
5	5	CONTINUOUSLY	3979
6	5-1-5	07:05-07:25 off; 21:45-23:58 on	4229
7	5	CONTINUOUSLY	4217
8	5-4	4 countinuously; 1 off 00:01	4219
9	4	CONTINUOUSLY	4118
10	4	CONTINUOUSLY	4181
11	4	CONTINUOUSLY	4187
12	4-0-5	08:00-1630 off; 5 on 1630-mid	4225
13	5-0-4	5 off at 08:00-1630	4214
14	5	CONTINUOUSLY	4230
15	5	CONTINUOUSLY	4236
16	5-4-3-2-1	21:17-22:15	3890
17	1-2-3-4-5	00:10-04:00	3963
18	5	CONTINUOUSLY	4227
19	5	CONTINUOUSLY	4218
20	5	CONTINUOUSLY	4210
21	5	CONTINUOUSLY	4207
22	5	CONTINUOUSLY	4220
23	5	CONTINUOUSLY	4231
24	5	CONTINUOUSLY	4213
25	5	CONTINUOUSLY	4201
26	5	CONTINUOUSLY	4213
27	5	CONTINUOUSLY	4221
28	5	CONTINUOUSLY	4217
29	5	CONTINUOUSLY	4214
30	5-3-4	20:21-20:23	3970
31	4-5-1-5	00:02-02:00	3554
<b>AVG CFS for the month</b>			<b>4064</b>



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

Date: 8/7/2023

<b>CREDITS UNDER WARREN ACT CONTRACTS</b>									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
3.32-R1	0	0	1	0	BBID	0	0	0	0
3.32-R2	0	0	1	0	BBID	0	0	0	0
3.32-R3	12,924	12,924	1	0	BBID	0	0	0	120
13.31-L	4,804	4,804	1	0	BBID	0	0	0	0
15.11-R	2,974	2,974	1	0	BBID	0	0	0	0
20.42-L	44,232,933	45,093,761	1	0	BCID	2,642	(132)	2,510	5,147
20.42-L	44,232,933	45,093,761	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	1,337	1,337	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	87,782	87,783	1	0	WSTAN	0	0	0	0
31.31-L2	87,782	87,783	1	0	DPWD	0	0	0	0
31.31-L3	87,782	87,783	1	0	PID	0	0	0	0
31.60-L	8,183	8,183	0.93	0	DPWD	0	0	0	0
32.35-L	1,794	1,794	0.86	0	DPWD	0	0	0	0
33.71-L	751	752	0.94	(1)	DPWD	0	0	0	0
36.80-L	1,848	1,848	1	0	DPWD	0	0	0	0
37.10-L	3,870	3,870	0.94	0	DPWD	0	0	0	0
37.32-L	2,653	2,653	0.91	0	DPWD	0	0	0	0
42.50-R	1,034	1,034	0.96	0	DPWD	0	0	0	0
42.53-L	6,841,176	6,841,176	1	0	PID	0	0	0	0
42.53-L	6,841,176	6,841,176	1	0	DPWD	0	0	0	0
42.53-L	6,841,176	6,841,176	1	0	USBR/FWA	0	0	0	177
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	3,365	3,365	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	1,663	0.72	(1)	DPWD	0	0	0	0
<b>UPPER DMC SUB TOTAL</b>								<b>2,510</b>	<b>11,063</b>



### NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

July 2023 WA Credits

<b>CREDITS UNDER WARREN ACT CONTRACTS</b>									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
78.31-L	4,469	4,469	1.08	0	SLWD	0	0	0	0
79.12-R	5,812	5,812	0.91	0	SLWD	0	0	0	0
79.13-L	1,164	1,164	1	0	SLWD	0	0	0	0
79.13-R	4,964	4,964	1.08	0	SLWD	0	0	0	0
79.60-L	5,979	5,979	0.84	0	SLWD	0	0	0	0
80.03-L	834	834	0.94	0	SLWD	0	0	0	0
80.03-R	717	717	1.05	0	SLWD	0	0	0	0
98.60-R	14,194	14,194	1	0	PANOCH/MS	0	0	0	0
98.74-L	5,695	5,695	1.14	0	PANOCH/MS	0	0	0	0
99.24-L	10,493	10,493	0.92	0	PANOCH/MS	0	0	0	0
100.70-L	6,211	6,211	1	0	PANOCH/MS	0	0	0	0
102.04-R	4,088	4,088	1	0	WIDREN WD	0	0	0	0
<b>LOWER DMC SUB TOTAL</b>								<b>0</b>	<b>0</b>
<b>WARREN ACT CONTRACT CREDIT TOTAL</b>								<b>2,510</b>	<b>11,063</b>
<b>TOTAL GROSS PUMP-IN</b>								<b>CREDIT</b>	
<b>TOTAL (BYRON BETHANY IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (BANTA CARBONA IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (DEL PUERTO WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (PATTERSON IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (SAN LUIS WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (PANOCH/MS WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (MERCY SPRINGS WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (WIDREN WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>Other Warren Act Conveyance Credit Totals</b>									
<b>Del Puerto Water District:</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>Banta Carbona Irrigation District:</b>						<b>2,642</b>		<b>2,510</b>	<b>5,147</b>
<b>West Stanislaus Irrigation District:</b>						<b>0</b>		<b>0</b>	
<b>Byron Bethany Irrigation District:</b>						<b>0</b>		<b>0</b>	<b>120</b>
<b>Patterson Irrigation District:</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>San Joaquin River Restoration Pump Back BCID:</b>						<b>0</b>		<b>0</b>	<b>5,619</b>
<b>San Joaquin River Restoration Pump Back PID:</b>						<b>0</b>		<b>0</b>	<b>177</b>

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



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

Date: 8/15/2023

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FRESNO SLOUGH	0	60	0	95	61	84	95						395
TPUD	0	18	0	0	0	7	19						44
JAMES I.D.	916	2,156	0	28	1,028	1,221	2,413						7,762
MEYERS	0	0	876	1,638	2,114	2,437	1,868						8,933
M.L. DUDLEY & INDART <sup>1</sup>	0	0	206	182	395	414	647						1,844
MID VALLEY (Kings River)	0	0	0	1,446	1,949	2,756	1,688						7,839
REC. DIST. 1606	0	0	0	0	0	0	0						0
STATE FISH & WILDLIFE	199	1,119	42	7	448	463	902						3,180
TRACTION	170	566	56	0	0	258	237						1,287
UNMETERED	40	125	0	0	20	90	300						575
<b>Total</b>	<b>409</b>	<b>1,810</b>	<b>98</b>	<b>7</b>	<b>468</b>	<b>811</b>	<b>1,439</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,042</b>
COELHO FAMILY TRUST <sup>2</sup>	0	18	0	474	916	1,663	994						4,065
TRANQUILITY I.D.	0	678	197	1,261	2,468	3,968	4,703						13,275
WESTLANDS LATERAL-6	0	0	0	0	0	0	34						34
WESTLANDS LATERAL-7	610	477	2,160	2,326	56	461	512						6,602
CARVALHO TRUST	0	0	0	41	80	91	92						304
<b>TOTAL</b>	<b>1,935</b>	<b>5,217</b>	<b>3,537</b>	<b>7,498</b>	<b>9,535</b>	<b>13,913</b>	<b>14,504</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56,139</b>

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

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

**Article 215 Water**

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

**Kings River Water**

- February Tranquility ID 44 AF
- March Tranquility ID 197 AF
- March Meyers 486 AF
- April Tranquility ID 1,261 AF
- April Mid Valley 1,446 AF
- April Meyers 1,548 AF
- April James ID 28 AF
- May Tranquility ID 2,468 AF
- May Mid Valley 1,949 AF
- May Meyers 2,114 AF
- May James ID 1,028 AF
- May Triangle T WD 1,503 AF
- June Tranquility ID 3,968 AF
- June Mid Valley 2,756 AF
- June Meyers 2,437 AF
- June James ID 1,221 AF
- June Triangle T WD 1,529 AF
- June Westlands WD 461 AF
- July Tranquility ID 1303 AF
- July Mid Valley 1688 AF
- July Meyers 1868 AF
- July James ID 2413 AF

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

Duck Clubs (Percent Full)

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

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

- Sept, 2023  
DMC Inflow AF  
James Bypass Flows 0 AF
- Oct, 2023  
DMC Inflow AF  
James Bypass Flows 0 AF
- Nov, 2023  
DMC Inflow AF  
James Bypass Flows 0 AF
- Dec, 2023  
DMC Inflow AF  
James Bypass Flows 0 AF



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

Date: 8/9/23

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
COELHO FAMILY TRUST <sup>1</sup>	0	0	0	0	0	0	0						0
M.L. DUDLEY & INDART <sup>2</sup>	0	0	0	0	0	0	0						0
FORDEL	0	385	45	0	0	0	0						430
COELHO WEST	0	0	0	0	0	0	0						0
CASACA VINYARDS	0	0	0	0	0	0	0						0
DPF	0	0	0	0	0	0	0						0
SOLO MIO	0	0	0	0	0	0	0						0
BAKER FARMS	0	0	0	0	0	0	0						0
FARMERS W.D.	0	0	0	0	0	0	0						0
MEYERS	0	0	0	0	0	0	0						0
MEYERS BANKED	0	717	0	0	0	0	0						717
SILVER CREEK	0	0	0	0	0	0	0						0
TRANQUILITY I.D.	0	0	0	0	0	0	0						0
FCWD	0	0	0	0	85	123	85						293
YRIBARREN FARMS	10	0	0	0	0	0	0						10
CARVALHO TRUST	0	0	0	0	0	0	0						0
ETCHEGOINBERRY	79	0	0	0	0	0	0						79
FRESNO SLOUGH W.D.	0	0	0	0	0	0	0						0
LSK-1	50	136	0	0	0	0	0						186
<b>TOTAL</b>	<b>139</b>	<b>1,238</b>	<b>45</b>	<b>0</b>	<b>85</b>	<b>123</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,715</b>

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

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

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

Spill Back Credit

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



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

**JULY 2023**

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 12585			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	10170
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	2415
R3 767	13		DFG @ O'Neill Forebay	47
	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	34
	13		San Luis Water District	686
R4 37743	14		City of Dos Palos	156
	14		Pacheco Water District	1500
	14		San Luis Water District	7535
	14		Panoche Water District	62
	15		San Luis Water District	2580
	15		Panoche Water District	7601
	15		Westlands Water District	18309
R5 85922	16		DFG @ Lat. 4L (Pilibos)	0
	16		DFG @ Lat. 4L	86
	16		DFG @ Lat. 6L	0
	16		DFG @ Lat. 7L	0
	16		Westlands Water District	21846
	17		Westlands Water District	21106
	18		City of Coalinga	1706
	18		Pleasant Valley Pumping Plant	19703
	18		Westlands Water District	21475
R6 38831	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	3
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 28L,29L,&30L	130
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	38698
R7 28831	20		City of Huron @ Lat. 23R	89
	20		DWR Water Truck @ 23R	0
	20		Westlands Water District	20467
	21		City of Avenal	252
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	8023
204679	0		<---TOTALS--->	204679
<b>TOTALS BY CUSTOMERS</b>				
Inflow Into Aqueduct:				
0 AF TOTAL for PUMP-IN				
0 AF TOTAL for FLOOD				
			Santa Nella County Water District	34
			Pacheco Water District	1500
			San Luis Water District	10801
			Panoche Water District	7663
			Westlands Water District	169627
			AltaGas	0
			City of Huron @ LAT. 23R	89
			City of Huron (P&R/Area 11 @ 22R)	3
			Lemoore N.A.S. thru WWD @ 28L,29L&30L	130
			Kings County thru WWD Laterals in Reach 6	0
			City of Avenal	252
			City of Dos Palos	156
			City of Coalinga	1706
			DFG @ O'Neill Forebay	47
			Pacheco Tunnel	12585
			DFG @ Lateral 4L & 6L & 7L	86
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	0
			0 AF for DWR Water Truck at O'Neill, 1 AF for Cattle Program @ O'Neill Reservoir	0
			<b>Customers Total:</b>	<b>204679</b>
Pool 12 - Reach 2B VA Turnout Use AF = 54				
DWR 3137(Rev.9/15)				204733



## Monthly Availability Report

CW "Bill" Jones Pumping Plant

July - 2023

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	0.0	0.00%	0.0	0.00%	100.00%	5	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	5	
Unit-3	744	744.0	100.00%	0.0	0.00%	0.00%	0	
Unit-4	744	0.0	0.00%	0.0	0.00%	100.00%	8	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	7	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	6	
Total	4464	744.0	17%	0.0	0.00%	83.00%	31	

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  
July - 2023

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	744	0.0	0.00%	0.0	0.00%	100.00%	1	1	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	5	0	
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Unit-4	744	0.0	0.00%	0.0	0.00%	100.00%	1	2	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	6	6	
Unit-6	744	0.0	0.00%	0.8	0.11%	99.89%	6	1	
<b>Total</b>	<b>4464</b>	<b>0.0</b>	<b>0%</b>	<b>0.8</b>	<b>0.02%</b>	<b>99.98%</b>	<b>20</b>	<b>10</b>	

Notes:

(1) Planned maintenance

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



## Monthly Availability Report

DCI Pumping Plant

July - 2023

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	0.0	0.00%	0.0	0.00%	100.00%	6	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	6	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	5	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	6	
Total	2976	0.0	0%	0.0	0.00%	100.00%	23	

Notes:

(1) Planned maintenance

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