



July 13, 2023

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for June 2023

### **Operations Department**

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 0-5 units during the month of June. The average rate of pumping for the JPP was 3,522 cfs for the month of June.

Total pumping at the JPP for the month of June was 210,372 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 1,891 acre-feet, and pumped 160,532 acre-feet during the month. 11,014 acre-feet was pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and 0 acre-feet was reversed from the California Aqueduct to the DMC for the month of June.

The Federal share in the San Luis Reservoir at the end of June was 961,096 acre-feet as compared to 255,786 acre-feet for the end of June 2022.

During the month of June, releases from Friant Dam ranged from 9,980 to 2,998 cfs with 83,129 acre-feet entering the Mendota Pool during the month. Flows past the Mendota Dam for the San Joaquin River Restoration Program (SJRRP) were 5,990 acre-feet for the month of June. During the month of June, an additional 193,992 acre-feet of Kings River water entered the Mendota Pool via the James Bypass.

Canal Operations staff performed open channel and closed-pipe flow measurements, routine patrols, wasteway inspections, bi-weekly meter readings, water samples, well soundings, and routine meter calibration and maintenance during the month.

Control Operations switching/clearance placements performed this month:

- C-22-JP-91 JPP Unit 3 rewind/annual maintenance
- C-23-JP-23 JPP Unit 3 suction elbow
- C-23-JP-31A JPP unwatering & plant sump clean and inspect
- C-23-TFF-32 Tracy Fish Facility electrical inspection
- C-23-TFF-32A Tracy Fish Facility electrical inspection
- C-23-TFF-33 Tracy Fish Facility 13.8 electrical inspection
- C-23-TFF-33A Tracy Fish Facility 13.8 to UAA inspection
- C-23-TFF-34 Tracy Fish Facility 13.8 to UAA inspection
- C-23-DM-35 Volta Well pump removal and inspect
- C-23-JPP-36 JPP Unit 1 thrust bearing remote terminal unit inspection
- C-23-JPP-37 JPP Unit 2 Exciter Brush Inspection

- C-23-JPP-38 JPP Unit 4 Thrust Tub leak Inspection
- C-23-JPP-39 DCI 4160V Bus Inspection

## **Plant Maintenance Department**

The Plant Maintenance crews worked on the following projects this month:

### **Electrical/C&I Staff:**

- JPP Sewer Room drain pump 6-month PM
- TFO Electric Shop half-ton electric hoist 3-month PM
- TFO Warehouse loading dock gate 3-month PM
- TFO Warehouse HVAC electrical inspection and 6-month PM
- TFO USBR exit gate electrical inspection and 3-month PM
- OPP domestic water system controls upgrade
- OPP Unit 1 spare Kinney strainer motor rehabilitation
- OPP Siphon House electrical repairs
- OPP 65-ton crane PM
- OPP trashrake crane testing and inspection PM
- OPP electrical distribution panel infrared testing inspection PM
- OPP annunciator panels test and inspection
- OPP security gates test and inspection
- OPP lighting repairs
- OPP air compressor system PM
- OPP fiber optic cable identification
- OPP cathodic protection system testing and inspection PM
- OPP station service batteries internal resistance testing PM
- DCI Jib hoist electrical inspection and 3-month PM
- DMC flow meter reprogramming
- DMC Check 17 Control Building wire trough repairs
- DMC Check 17 PLC battery charger replacement
- DMC Checks 10-21 electrical equipment inspections and testing PM
- DMC Volta waste way radial gate troubleshooting
- DMC Volta Wells troubleshooting and inspection
- TFF electrical distribution system cleaning and inspections

### **Mechanical Staff:**

- JPP Unit 3 rewind support
- JPP trashrake rehabilitation
- JPP service bay piping replacement
- JPP RTD repair/inspection
- JPP butterfly gallery drain repairs
- OPP bearing segment fabrication
- OPP septic tank PM
- OPP domestic water system repairs
- OPP Unit 1 spare Kinney strainer motor rehabilitation
- OPP sump PM
- OPP 5-ton shop crane PM
- OPP 65-ton test and inspection
- OPP high pressure air compressor PM
- OPP Siphon House bridge crane inspection PM
- OPP Building inspection PM

- OPP Siphon House piping system repairs
- OPP control floor and oil room cleaning
- OPP Marlo Coil HVAC repairs
- OPP half-ton hoist crane inspection
- OPP Plant checks and back wash filters
- OPP trashrack cleaning
- Volta West Well place clearance and verify issue with contractor

### **USBR Support Services**

From June 12<sup>th</sup> through June 16<sup>th</sup>, a planned eight (8) hour per day outage occurred at the Tracy Fish Collection Facility. The purpose of the outage was to perform deferred mechanical and electrical maintenance work that can only be performed during a full facility outage. The Water Authority crews supported the following work at USBR facilities during the outage this month:

- TFF unwatering pit flapper valve replacement
- TFF electrical distribution system cleaning and inspection

### **Civil Maintenance Department**

The Civil Maintenance crews worked on the following projects this month:

- JPP intake channel erosion repair
- DMC trashrack installation MP23.41-L
- DMC road repair
- DMC/FWW/VWW chemical and mechanical weed control PM
- DMC excavate test pits for soil samples
- DMC turnout gate replacement (MP18.05, 14.81, 21.25, & 22.20)
- DMC pipeline repair MP43.22
- DMC turnout silt removal PM
- DMC grading of unpaved roads PM
- DMC bait station set up
- DMC handrail fabrication and painting
- DMC maintenance and repairs to float lines, signs, fences, guard rails & gates
- DMC garbage collection
- DMC Check 21 hyacinth removal
- LBFO HVAC PM
- LBFO fuel storage inspection PM
- LBFO hazard waste inspection PM
- LBFO septic system treatment PM
- LBAO secure book shelves
- SLD road grading PM
- SLD mechanical weed control PM
- SLD remove beaver dams
- VWW remove tree growth
- TFF provide support for flapper valve replacement

## **Engineering Department**

The Engineering staff worked on the following O&M projects this month:

- Data management of well readings and creation of Warren Act hydrographs
- DCI U3 & U4 SCADA development
- DCI U5 control as-built drawings
- DCI Transformer HV bushings test
- JPP OPERATOR2 server replacement
- Support for JPP Intake Channel erosion repair at MP1.28
- Operator C station development
- OPP actuator rod procurement
- OPP SCADA user station development
- OPP test equipment calibration
- OPP Unit 1 vibration monitoring
- OPP Siphon House air compressor replacement
- TFO DCI, and OPP transformers oil analysis
- TFO disconnect switch 1821 maintenance
- DMC check motor replacement
- DMC turnout abandonment procedure development

## **Land Management Activity Summary:**

The Engineering staff issued four (4) access permits this month:

- Access permit P2402012 was issued to Mr. Leroy Simonich to allow use of his goats to control vegetation at the Jones Pumping Plant Intake Channel from MP1.41 to MP2.53.
- Emergency access permit P2402013 was issued to Del Puerto Water District to repair the existing pipeline servicing the turnout at MP45.79-R.
- Emergency Access permit P2402014 was issued to Del Puerto Water District to repair the existing pipeline servicing the turnout at MP27.80-R.
- Access permit P2402015 was issued to Del Puerto Water District allowing them to temporarily draft water from the canal for Ag spraying purposes.

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

- Orestimba Creek Recharge Project
- Rogers Road Bridge replacement, 65% comments
- Koster Road Bridge railing extensions, final comments
- Schulte Warehouse Annex, 5<sup>th</sup> submittal comments

## **Safety Department**

The Safety Department worked on the following items this month:

- Provided Job Hazard Analysis support to the crews
- Sent out Safety Topics for the month of June to all SLDMWA staff to include new video provider announcement
  - 6-1-2023 Emergency Response
  - 6-2-2023 First Aid
  - 6-3-2023 Bloodborne Pathogens
  - 6-4-2023 Fire Extinguishers

- Provided Safety Message for June 2023 Newsletter
  - Outdoor Safety
- Conducted new hire Safety Orientation
  - Control Operator
  - Jr. Mechanical Engineer
  - HR Analyst
- Conducted quarterly facility safety inspections
- Conducted FHECP training at TAO and LBFO
- Scheduled annual hearing tests for selected employees
- Replaced Eye Wash Station water cartridges
- Coordinated Hazardous Waste pickup at OPP

### **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 probationary appraisals
  - Buyer, 12-month
  - Contract Specialist, 8-month
- Resolved various invoice issues and disputes
- Closed out several pending NetSuite tickets for various issues
- Contracts/PO Agreements/LOA's status update:
  - F23-TFF-017: Tension arm repairs - contract executed 4/12/23, start date pending funding from Bureau
  - F24-OPP-003: Plant water storage tank rehab - no vendors at site walk, re-solicitation in progress with Bids due 7/6/2023
  - F24-TFF-011: Executed pipe plug diving services - agreement 6/7/23, \$34,268.00, pending change order for July execution
  - F24-TFO-008: Executed Pump House roof replacement - agreement 6/6/23, \$13,950.00
  - F24-TFO-001: Slurry seal project - sole source <\$60k, reached out to vendor for quote on 6/29/23
  - F24-DMC-012: DMC chip seal project - solicited on 6/27/23, pending site walk
  - F24-OPP-013: UPS battery replacement - pre-solicitation stage; targeted for July release
  - F24-OPP-009: Station battery replacement - pre-solicitation stage; targeted for July release
  - F24-ALL-006: Heavy equipment rental - pre-solicitation stage, scope of work being developed
  - F24-DMC-010: Diving services - blanket service, pre-solicitation stage, developing scope of work for contract
  - F24-ALL-005: Biological Survey - blanket service, pre-solicitation stage, developing scope of work for contract

#### **Ongoing:**

- Purchasing in support of the O&M crews, and maintaining/replenishing warehouse stock
- Warehouse receiving, stocking, and distribution
- Invoicing/vendor bills/vendor credits processing/invoice disputes
- Janitorial cleaning & disinfecting per COVID-19 guidelines
- Participated in NetSuite weekly & biweekly meetings

- Contract management and 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:

- NetSuite
  - User and Administration
  - Bi-Weekly Implementation Team meetings
  - Monitor FTC support activities for NetSuite
  - Sandbox refresh
- Assisted with monthly FAC, WRC and BOD meetings with Zoom
- Desktop support calls
- Server refresh prep for deployment to LBAO, OPP, SAC.
- Monitor Symantec Anti-Virus Management Console
- Security updates on servers
- Monitor Firewall
- Update additional AV security settings
- Multi Factor Authentication vendor SurePassID
  - Virtual server installed with testing in progress
- Evaluated policies for BYOD with Legal
- Cyber security Incidence Response Plan
- Disaster Recovery Plan
- Business Continuity Plan
- Cyber Security Team
- MDM IBM (MAAS360) monitoring
- Review Infragard dispatches – FBI Cyber Security Group
- Cyber Security training and webinars
- Monitoring Darktrace Cyber Security appliance in IT network
  - Installed into SCADA network
  - Continued advanced configuration
- WAM servers, prepping for redeployment
- Troubleshoot ongoing Email auto-discover issues
- Support of Water Operations iPads and new app deployments via MDM
- Continued conversation with DWR regarding use of Fiber from a 1992 contract agreement
- Document management: Demonstration completed

- Logistical and technical support provided to Trofholz, new site security installation vendor hired by BOR
- Research impacts of CA AB1637 on SLDMWA website
- Added 4 new employees to network
- Installed software to monitor copiers for service and supplies
- Update Maas360 certificate and Apple Business certificate
- Firewall firmware updates
- FY25 EO&M and 10 Year Budget
- Strategic Plan workshop

Ongoing:

- Create deployment packages for Office 2021
- Research of gate control and request quote from vendor
- Re-organized computer racks and cabling for new servers

**HR Department**

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

General Administrative Activities:

- Active Recruitments
  - Civil Maintenance Worker, Tracy
- Closed Recruitments
  - None to report
- Candidates Selected
  - None to report
- ADA accommodation
- Skills testing
- New Hire Orientations

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 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 discussions to occur. 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 scheduled to be completed by September 2023. Progress this month consisted of preparing comments for the 3<sup>rd</sup> Administration Draft of the Feasibility Study and subsequent review by Reclamation front office before sending for Policy Review. The 3<sup>rd</sup> Admin Draft is scheduled to be released to policy by 7/10. Terracon was awarded a Contract Amendment to complete the final Geotechnical Investigation Phases 2 & 3 in December 2022 and has completed 93% of the CPT's and 61% of the drill holes and 90% of test pits. SLDMWA maintenance staff continues to provide backhoe support for Terracon's effort.

Numerous design data collection efforts have been coordinated and continue to be discussed. This month SLDMWA staff supported USBR's lead design and geotechnical engineers with a DMC site visit to gather additional site specific data on drains and existing liner damage. Geoarcheological trenches were thought to be completed, however another round of trenching is planned by CDM's subconsultant. Wetland Delineation field work was completed and awaiting the Delineation Report.

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 will occur



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

after final acceptance. Reclamation staff is working on expediting the required environmental clearance to allow all six (6) pumps to operate concurrently.

### **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 finalized the flowmeter list, with detailed measurements, and will be reaching out to McCrometer to obtain a 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: The plans and specifications were assembled, and the project is currently being solicited. Work is tentatively scheduled for late August.

## **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. This month, Reclamation and SLDMWA reviewed the 90% Technical Specifications and Drawings and review comments were provided on 6/28/2023. The SpecC review is planned for the second week of July. The 100% design package (SpecB) is scheduled for completion in August 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. SLDMWA submitted the project description and project justification as requested by Reclamation.

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

Status: No activity

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

Status: Jones Unit 3 rewind is underway. All work within the stator has been completed. NEC is currently working on the installation of poles on the rotor. NEC work is scheduled to be completed early July. Performance testing is scheduled for the third week of August and the unit is expected to return to service following the test. Overall the rewind is on schedule and the unit is scheduled to return to service in August 2023.

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

Status: A ground fault incident occurred in October 2021 that damaged the main feeder switchgear and bushing box in switchgear building UZ11A. Partial repairs were made, and the building is currently energized via adjacent switchgear building UZ8A (or UZ6A depending on circumstance). A two-phased contract was issued to Powell, the original designer and installer of the switchgear building, to supply repair materials (Phase 1), and perform the onsite repair work (Phase 2). Phase 1 supply contract has been completed, which included supplying the replacement

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

bushing box, CTs, surge arresters, etc. Phase 2, onsite installation of the parts, was originally scheduled to occur October 2022 but was delayed when repair materials in Phase 1 were not ready. Phase 2 is now scheduled starting September 2023 for three weeks. CVO has given the approval for units 2 and 6 outage, which UZ11A Switchgear Building feeds power to. Note: Unit 3 rewind is scheduled to be completed and back in service prior to starting the UZ11A repairs.

### **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.

### **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 confirms the insulating oil are still in good condition. CEI submitted the Contract Document Management System (CDMS) and has been reviewed and approved by SLDMWA and Reclamation TSC. The predesign kick off meetings are scheduled for the week of July 17<sup>th</sup>.

#### **Arc Flash Hazard Analysis, Facility Rating, & Protective Relays Reviews (Electrical Equipment Periodic Reviews) (FY22)**

Status: The field work for all three inspections occurred in FY22. The Facility Rating and Arc Flash Hazard Analysis are complete, with final reports received. The draft Protective Relays Review report has been reviewed and commented on by SLDMWA staff. The final draft of the Protective Relays Review has been received. PROJECT COMPLETE.

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

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

Status: Upon receiving a draft project management plan for Reclamation to perform the Operational and Mechanical Assessments that did not meet SLDMWA's needs, SLDMWA has decided to move forward without performing the assessments first. The 10-Year plan has been edited to reflect this change with several projects identified for FY25. The Water Authority will begin immediately with contacting the original pump bowl manufacturer to enter into a Design-Build contract for the design and fabrication of new pump bowls that incorporate a door for safer access to the pump bearing for maintenance. Other project included will be the upgrade of the Woodward Governor System and Unit Rewind Design.

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

Status: Staff has created a contract scope of work and will be soliciting quotes early July. 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 has created a contract scope of work and will be soliciting quotes July. 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: After receiving no bids, the contracts department resolicited for the job. The non-mandatory pre-bid site walk was held this month, with two contractors participating. There are additional contractors that did not participate in the pre-bid site walk that are likely to also provide a bid to perform the workscope. Contractors bids are due 7/7/23.

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

Status: Decided to perform the designs with 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 Cooling Water System Rehabilitation Design (FY24)

Status: Decided to perform the designs with internal staff. Rehabilitation is anticipated to be a replacement in kind, with minor modernizations and improvements. In depth design services will not be required.

## ***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 September 2023. Construction has begun on the building roof replacement. Anticipated completion of the new roof is August 2023. The design for site grading and drainage plans has been finalized with the construction tentatively scheduled for August 2023

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

Status: Conducted asphalt survey of both project sites and developed a budgetary price for Slurry Seal vs Seal Coat. Due to budgetary constraints, work will be focus on USBR's parking lot this year. A RFQ to coat and stripe the site per Caltrans Standard Specification 37-3 Slurry Seal has been issued.

### ***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. Ongoing engineering support has been provided to TSC for DCI Arc Flash Hazard Analysis regarding recommendations from Arc Flash Hazard Analysis 2013. A draft report for LBFO was received and reviewed.

#### ***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.



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

*NOTE: ALL FIGURES ARE IN ACRE FEET*

|                                   | <b>May-2023</b> | <b>May-2022</b> |
|-----------------------------------|-----------------|-----------------|
| JONES PUMPING PLANT - PUMPED      | 222,645         | 55,870          |
| DCI PLANT - PUMPED                | 23,551          | 0               |
| DCI PLANT - RETURNED              | 0               | 0               |
| O'NEILL P/G PLANT - PUMPED        | 169,686         | 27,484          |
| O'NEILL P/G PLANT - GENERATED     | 0               | 2,592           |
| DMC DELIVERIES                    | 28,504          | 17,821          |
| RIVER/WELL/RECYCLE WATER INTO DMC | 2,240           | 9,840           |
| MENDOTA POOL DELIVERIES           | 102,538         | 76,866          |
|                                   |                 |                 |
| SHASTA RESERVOIR STORAGE          | 4,457,700       | 1,815,100       |
| SAN LUIS RESERVOIR STORAGE        | 2,018,313       | 918,152         |
| SLR FEDERAL SHARE                 | 957,090         | 338,234         |

|                            | <b>May-2023</b> | <b>May-2022</b> |
|----------------------------|-----------------|-----------------|
| *SAN LUIS UNIT DELIVERIES  | 13,223          | 9,540           |
| SAN LUIS UNIT WELL WATER   | 0               | 0               |
| SAN FELIPE UNIT DELIVERIES | 6,302           | 6,879           |

Jones Pumping Plant monthly average = 3,601 cfs



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

Date: 6/19/23

| <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>222,645</b>   |                                  |                              |   |
| <b>Total Pumped @ DCI</b>                      | <b>(23,551)</b>  |                                  |                              |   |
| <b>Total Reversed @ DCI</b>                    | <b>0</b>   |                                  |                              |   |
| City of Tracy                                  |  | 0                                | 1,252                        | 1,252                                   |
| Byron Bethany I.D.                             |  | 282                              | 1                            | 283                                     |
| West Side I.D.                                 |  | 0                                | 0                            | 0                                       |
| Banta Carbona I.D.                             |  | 0                                | 0                            | 0                                       |
| West Stanislaus I.D.                           |  | 1,976                            | 0                            | 1,976                                   |
| Patterson I.D.                                 |  | 242                              | 0                            | 242                                     |
| Del Puerto W.D.                                |  | 8,315                            | 8                            | 8,323                                   |
| Central California I.D. - above check #13      |  | 1,944                            | 0                            | 1,944                                   |
| San Luis W.D.- above check #13                 |  | 0                                | 0                            | 0                                       |
| Volta Wildlife Mgmt. Area (Fish & Game)        |  | 288                              | 0                            | 288                                     |
| Fish & Wildlife (Volta) Santa Fe - Kesterson   |  | 0                                | 0                            | 0                                       |
| Grasslands W.D. (Volta)                        |  | 3,411                            | 0                            | 3,411                                   |
| <b>Total Pumped @ O'Neill PP</b>               | <b>(169,686)</b>   |                                  |                              |   |
| <b>Total Generated @ O'Neill PP</b>            | <b>0</b>   |                                  |                              |   |
| Central California I.D. - below check #13      |  | 878                              | 0                            | 878                                     |
| Grasslands W.D. (76.05-L)                      |  | 5,049                            | 0                            | 5,049                                   |
| Fish & Game Los Banos Refuge (76.05-L)         |  | 564                              | 0                            | 564                                     |
| Fish & Wildlife Kesterson (76.05-L)            |  | 390                              | 0                            | 390                                     |
| Freitas Unit (76.05-L)                         |  | 461                              | 0                            | 461                                     |
| Salt Slough Unit (76.05-L)                     |  | 345                              | 0                            | 345                                     |
| China Island (76.05-L)                         |  | 0                                | 0                            | 0                                       |
| San Luis W.D. - below check #13                |  | 713                              | 0                            | 713                                     |
| Panoche W.D.                                   |  | 1,312                            | 2                            | 1,314                                   |
| Eagle Field W.D.                               |  | 230                              | 0                            | 230                                     |
| Oro Loma W.D.                                  |  | 15                               | 0                            | 15                                      |
| Mercy Springs W.D.                             |  | 0                                | 0                            | 0                                       |
| Firebaugh Canal W.D. (D.M.C.)                  |  | 826                              | 0                            | 826                                     |
| River and Groundwater well pump-in             | 0  |                                  |                              |   |
| North Valley Regional Recycled Water Program   | 2,240  |                                  |                              |   |
| Change in Canal Storage                        | (646)  |                                  |                              |   |
| Wasteway Flushing and Spill                    | (40)   |                                  |                              |   |
| Total Available in Delta-Mendota Canal         | 30,962   |                                  |                              |   |
| <b>TOTAL DELIVERY FROM DELTA-MENDOTA CANAL</b> | <b>(28,504)</b>  | <b>27,241</b>                    | <b>1,263</b>                 | <b>28,504</b>                           |
| Theoretical DMC Delivery to Mendota Pool       | 2,458  |                                  |                              |   |
| Total DMC Metered Delivery to MP               | 0  |                                  |                              |   |
| Estimated (Loss) or Gain in DMC                | (2,458)  |                                  |                              |   |
| Estimated % Loss or Gain in DMC                | -1.11%   |                                  |                              |   |



**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
May 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                                | 0  |                                  |                              |   |
| Mendota Pool Groundwater Well Pump-In                     | 85   |                                  |                              |   |
| (+)SJRRP Releases into Mendota Pool                       | 17,018   |                                  |                              |   |
| (+)Available Flood Releases from Friant into Mendota Pool | 56,064   |                                  |                              |   |
| (+)Other San Joaquin River Water                          | 0  |                                  |                              |   |
| (+)Kings River Flood Releases into Mendota Pool           | 248,598  |                                  |                              |   |
| <u>Mendota Pool Delivery Information</u>                  |  |                                  |                              |   |
| <u>Exchange Contractors:</u>                              |  |                                  |                              |   |
| Central California Irrigation District (CCID)             |  | 48,934                           | 0                            | 48,934                                  |
| Columbia Canal Company (CCC)                              |  | 4,111                            | 0                            | 4,111                                   |
| Firebaugh Canal Water District (FCWD)                     |  | 3,237                            | 0                            | 3,237                                   |
| San Luis Canal Company (SLCC)                             |  | 10,335                           | 0                            | 10,335                                  |
| <u>Refuge:</u>  |  |                                  |                              |   |
| Conveyance Losses   |  | 0                                | 0                            | 0                                       |
| Calif Dept of F/G-LB Unit (CCID)                          |  | 627                              | 0                            | 627                                     |
| Calif Dept of F/G-LB Unit (SLCC)                          |  | 858                              | 0                            | 858                                     |
| Calif Dept of F/G-Salt Slough Unit (CCID)                 |  | 384                              | 0                            | 384                                     |
| Calif Dept of F/G-China Island Unit (CCID)                |  | 0                                | 0                            | 0                                       |
| US Fish & Wildlife-San Luis Refuge (SLCC)                 |  | 0                                | 0                            | 0                                       |
| US Fish & Wildlife-Freitas (CCID)                         |  | 513                              | 0                            | 513                                     |
| US Fish & Wildlife-Kesterson (CCID)                       |  | 434                              | 0                            | 434                                     |
| Grasslands WD (CCID)                                      |  | 5,380                            | 0                            | 5,380                                   |
| Grasslands WD (SLCC)                                      |  | 827                              | 0                            | 827                                     |
| Grasslands (Private)                                      |  | 238                              | 0                            | 238                                     |
| San Luis WD Conveyance (CCID)                             |  | 107                              | 0                            | 107                                     |
| Del Puerto WD Conveyance (CCID)                           |  | 0                                | 0                            | 0                                       |
| <u>San Joaquin River Restoration Project:</u>             |  |                                  |                              |   |
| SJRRP   |  | 17,018                           | 0                            | 17,018                                  |
| <i>Other: (see MP Operations Report)</i>                  |  | 9,535                            | 0                            | 9,535                                   |
| <i>Total Available Water in Mendota Pool</i>              | 321,765  |                                  |                              |   |
| <b>TOTAL DELIVERY FROM MENDOTA POOL</b>                   | <b>(102,538)</b>   | <b>102,538</b>                   | <b>0</b>                     | <b>102,538</b>                          |
| *Estimated (Loss) or Gain in Mendota Pool                 | (219,227)  |                                  |                              |   |
| *Estimated % Loss or Gain in Mendota Pool                 | -68.13%  |                                  |                              |   |
| Total System Delivery                                     | (131,042)  |                                  |                              |   |
| <b>*Total Estimated System (Loss) or Gain</b>             | <b>(221,685)</b>   |                                  |                              |   |
| <b>*Total Estimated % System Loss or Gain</b>             | <b>-40.60%</b>   |                                  |                              |   |

**Special Notes: Flood Releases from Friant Dam and Pine Flat Dam**



Jones Pumping Plant  
May - 2023

| Date                         | # OF UNITS | TIME ON/OFF  | AVG DAILY CFS |
|------------------------------|------------|--------------|---------------|
| 1                            | 3-4        | 0700         | 3309          |
| 2                            | 4          | Continuously | 3541          |
| 3                            | 4          | Continuously | 3538          |
| 4                            | 4-1-3      | 0900         | 2887          |
| 5                            | 3-4        | 0900         | 3242          |
| 6                            | 4          | Continuously | 3510          |
| 7                            | 4-3-4      | 2100         | 3498          |
| 8                            | 4          | Continuously | 3526          |
| 9                            | 4          | Continuously | 3536          |
| 10                           | 4-3-0-4    | 0600         | 2981          |
| 11                           | 4-3-4      | 0600         | 3091          |
| 12                           | 4          | Continuously | 3523          |
| 13                           | 4          | Continuously | 3525          |
| 14                           | 4          | Continuously | 3519          |
| 15                           | 4          | Continuously | 3526          |
| 16                           | 4          | Continuously | 3492          |
| 17                           | 4          | Continuously | 3527          |
| 18                           | 4          | Continuously | 3524          |
| 19                           | 4          | Continuously | 3514          |
| 20                           | 4          | Continuously | 3527          |
| 21                           | 4          | Continuously | 3525          |
| 22                           | 4-1-4      | 0800         | 2617          |
| 23                           | 4-5        | 0733         | 4040          |
| 24                           | 5          | Continuously | 4225          |
| 25                           | 5          | Continuously | 4231          |
| 26                           | 5          | Continuously | 4183          |
| 27                           | 5          | Continuously | 4210          |
| 28                           | 5          | Continuously | 4215          |
| 29                           | 5          | continuously | 4228          |
| 30                           | 5          | Continuously | 4221          |
| 31                           | 5          | Continuously | 4218          |
| <b>AVG CFS for the month</b> |            |              | <b>3621</b>   |





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

Date: 6/7/23

| <b>CREDITS UNDER WARREN ACT CONTRACTS</b> |                     |                   |        |        |          |       |         |          |              |
|---|---------------------|-------------------|--------|--------|----------|-------|---------|----------|--------------|
| Turnout                                   | Start Meter Reading | End Meter Reading | Factor | Adjust | District | Total | Less 5% | Month    | Year         |
| 3.32-R1                                   | 0                   | 0                 | 1      | 0      | BBID     | 0     | 0       | 0        | 0            |
| 3.32-R2                                   | 0                   | 0                 | 1      | 0      | BBID     | 0     | 0       | 0        | 0            |
| 3.32-R3                                   | 12,924              | 12,924            | 1      | 0      | BBID     | 0     | 0       | 0        | 120          |
| 13.31-L                                   | 4,804               | 4,804             | 1      | 0      | BBID     | 0     | 0       | 0        | 0            |
| 15.11-R                                   | 2,974               | 2,974             | 1      | 0      | BBID     | 0     | 0       | 0        | 0            |
| 20.42-L                                   | 43,328,154          | 43,328,223        | 1      | 0      | BCID     | 0     | 0       | 0        | 0            |
| 20.42-L                                   | 43,328,154          | 43,328,223        | 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                                   | 1,334               | 1,337             | 0.87   | (3)    | 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                                   | 2,149               | 2,149             | 1.03   | 0      | DPWD     | 0     | 0       | 0        | 0            |
| 31.31-L1                                  | 87,780              | 87,780            | 1      | 0      | WSTAN    | 0     | 0       | 0        | 0            |
| 31.31-L2                                  | 87,780              | 87,780            | 1      | 0      | DPWD     | 0     | 0       | 0        | 0            |
| 31.31-L3                                  | 87,780              | 87,780            | 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                 | 751               | 0.94   | 0      | DPWD     | 0     | 0       | 0        | 0            |
| 36.80-L                                   | 1,847               | 1,847             | 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               | 1,662             | 0.72   | 0      | DPWD     | 0     | 0       | 0        | 0            |
| <b>UPPER DMC SUB TOTAL</b>                |                     |                   |        |        |          |       |         | <b>0</b> | <b>5,916</b> |



**NON-PROJECT WATER CREDITS REPORT**

(ALL FIGURES IN ACRE FEET)

May 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   | 4,087               | 4,088             | 1      | (1)    | 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>0</b>      | <b>5,916</b> |
| <b>TOTAL GROSS PUMP-IN</b>                           |                     |                   |        |        |           |       |         | <b>CREDIT</b> |              |
| <b>TOTAL (BYRON BETHANY IRRIGATION DISTRICT)</b>     |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>TOTAL (BANTA CARBONA IRRIGATION DISTRICT)</b>     |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>TOTAL (DEL PUERTO WATER DISTRICT)</b>             |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)</b>   |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>TOTAL (PATTERSON IRRIGATION DISTRICT)</b>         |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>TOTAL (SAN LUIS WATER DISTRICT)</b>               |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>TOTAL (PANOCH/MS WATER DISTRICT)</b>              |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>TOTAL (MERCY SPRINGS WATER DISTRICT)</b>          |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>TOTAL (WIDREN WATER DISTRICT)</b>                 |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>Other Warren Act Conveyance Credit Totals</b>     |                     |                   |        |        |           |       |         |               |              |
| <b>Del Puerto Water District:</b>                    |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>Banta Carbona Irrigation District:</b>            |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>West Stanislaus Irrigation District:</b>          |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>Byron Bethany Irrigation District:</b>            |                     |                   |        |        |           | 0     | 0       | 120           | 0            |
| <b>Patterson Irrigation District:</b>                |                     |                   |        |        |           | 0     | 0       | 0             | 0            |
| <b>San Joaquin River Restoration Pump Back BCID:</b> |                     |                   |        |        |           | 0     | 0       | 5,619         | 0            |
| <b>San Joaquin River Restoration Pump Back PID:</b>  |                     |                   |        |        |           | 0     | 0       | 177           | 0            |

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: 6/7/2023

|                                   | JAN          | FEB          | MAR          | APR          | MAY          | JUN      | JUL      | AUG      | SEP      | OCT      | NOV      | DEC      | TOTAL         |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|----------|----------|----------|----------|----------|----------|----------|---------------|
| FRESNO SLOUGH                     | 0            | 60           | 0            | 95           | 61           |          |          |          |          |          |          |          | 216           |
| TPUD                              | 0            | 18           | 0            | 0            | 0            |          |          |          |          |          |          |          | 18            |
| JAMES I.D.                        | 916          | 2,156        | 0            | 28           | 1,028        |          |          |          |          |          |          |          | 4,128         |
| MEYERS                            | 0            | 0            | 876          | 1,638        | 2,114        |          |          |          |          |          |          |          | 4,628         |
| M.L. DUDLEY & INDART <sup>1</sup> | 0            | 0            | 206          | 182          | 395          |          |          |          |          |          |          |          | 783           |
| MID VALLEY (Kings River)          | 0            | 0            | 0            | 1,446        | 1,949        |          |          |          |          |          |          |          | 3,395         |
| REC. DIST. 1606                   | 0            | 0            | 0            | 0            | 0            |          |          |          |          |          |          |          | 0             |
| STATE FISH & WILDLIFE             | 199          | 1,119        | 42           | 7            | 448          |          |          |          |          |          |          |          | 1,815         |
| TRACTION                          | 170          | 566          | 56           | 0            | 0            |          |          |          |          |          |          |          | 792           |
| UNMETERED                         | 40           | 125          | 0            | 0            | 20           |          |          |          |          |          |          |          | 185           |
| <b>Total</b>                      | <b>409</b>   | <b>1,810</b> | <b>98</b>    | <b>7</b>     | <b>468</b>   | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>2,792</b>  |
| COELHO FAMILY TRUST <sup>2</sup>  | 0            | 18           | 0            | 474          | 916          |          |          |          |          |          |          |          | 1,408         |
| TRANQUILITY I.D.                  | 0            | 678          | 197          | 1,261        | 2,468        |          |          |          |          |          |          |          | 4,604         |
| WESTLANDS LATERAL-6               | 0            | 0            | 0            | 0            | 0            |          |          |          |          |          |          |          | 0             |
| WESTLANDS LATERAL-7               | 610          | 477          | 2,160        | 2,326        | 56           |          |          |          |          |          |          |          | 5,629         |
| CARVALHO TRUST                    | 0            | 0            | 0            | 41           | 80           |          |          |          |          |          |          |          | 121           |
| <b>TOTAL</b>                      | <b>1,935</b> | <b>5,217</b> | <b>3,537</b> | <b>7,498</b> | <b>9,535</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>0</b> | <b>27,722</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**

|                           |
|---------------------------|
| January James ID 916 AF   |
| February James ID 2156 AF |
| March Meyers 90 AF        |
| April Meyers 90 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         |

Duck Clubs (Percent Full)

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

Jan, 2023  
DMC Inflow 3,372 AF  
James Bypass Flows 0 AF

Feb, 2023  
DMC Inflow 18672 AF  
James Bypass Flows 1,619 AF

Mar, 2023  
DMC Inflow 2,341 AF  
James Bypass Flows 162,266 AF

Apr, 2023  
DMC Inflow 0 AF  
James Bypass Flows 247,471 AF

May, 2023  
DMC Inflow 0 AF  
James Bypass Flows 248,598 AF

June, 2023  
DMC Inflow A.F  
James Bypass Flows 0 AF

July, 2023  
DMC Inflow AF  
James Bypass Flows 0 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



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

Revised 6/13/2023

**MAY 2023**

| REACH TOTALS                                 | POOL | INFLOW INTO AQUEDUCT | CUSTOMERS  | AMOUNT IN AF  |
|--|------|----------------------|--|---------------|
| R3A<br>6302                                  |      |                      | Parks & Rec. @ San Luis Reservoir  | 0             |
|  |      |                      | Santa Clara Valley Water District  | 5242          |
|  |      |                      | Casa de Fruta (Santa Clara Valley Water District)                                | 0             |
|  |      |                      | San Benito Water District  | 1060          |
| R3<br><br>535                                | 13   |                      | DFG @ O'Neill Forebay  | 106           |
|  | 13   |                      | Parks & Rec. @ O'Neill Forebay   | 1             |
|  | 13   |                      | DWR Water Truck at O'Neill 0 AF for Cattle Program @ O'Neill Forebay             | 0             |
|  | 13   |                      | Santa Nella County Water District  | 28            |
|  | 13   |                      | San Luis Water District  | 400           |
| R4<br><br>24571                              | 14   |                      | City of Dos Palos  | 89            |
|  | 14   |                      | Pacheco Water District   | 1326          |
|  | 14   |                      | San Luis Water District  | 4884          |
|  | 14   |                      | Panoche Water District   | 54            |
|  | 15   |                      | San Luis Water District  | 1894          |
|  | 15   |                      | Panoche Water District   | 4495          |
|  | 15   |                      | Westlands Water District   | 11829         |
| R5<br><br>61428                              | 16   |                      | DFG @ Lat. 4L (Pilibos)  | 0             |
|  | 16   |                      | DFG @ Lat. 4L  | 24            |
|  | 16   |                      | DFG @ Lat. 6L  | 0             |
|  | 16   |                      | DFG @ Lat. 7L  | 0             |
|  | 16   |                      | Westlands Water District   | 14418         |
|  | 17   |                      | Westlands Water District   | 14430         |
|  | 18   |                      | City of Coalinga   | 1245          |
|  | 18   |                      | Pleasant Valley Pumping Plant  | 17491         |
|  | 18   |                      | Westlands Water District   | 13820         |
| R6<br><br>25818                              | 19   |                      | Alta Gas   | 0             |
|  | 19   |                      | City of Huron (P&R-Area 11) @ Lat. 22R   | 5             |
|  | 19   |                      | DWR Water Truck @ 22R/F&G @ Lat.22R  | 0             |
|  | 19   |                      | Lemoore N.A.S. thru WWD 28L,29L,&30L   | 177           |
|  | 19   |                      | Kings County thru WWD 30L  | 1017          |
|  | 19   |                      | Westlands Water District   | 24619         |
| R7<br><br>24842                              | 20   |                      | City of Huron @ Lat. 23R   | 69            |
|  | 20   |                      | DWR Water Truck @ 23R  | 0             |
|  | 20   |                      | Westlands Water District   | 16952         |
|  | 21   |                      | City of Avenal   | 203           |
|  | 21   |                      | Kings County thru WWD 37L,38L  | 0             |
|  | 21   |                      | Westlands Water District   | 7618          |
| 143496                                       |      | 0                    | <---TOTALS--->   | 143496        |
| <b>TOTALS BY CUSTOMERS</b>                   |      |                      |  |               |
| Inflow Into Aqueduct:                        |      |                      |  |               |
| 0 AF TOTAL for PUMP-IN                       |      |                      |  |               |
| 0 AF TOTAL for FLOOD                         |      |                      |  |               |
|  |      |                      | Santa Nella County Water District  | 28            |
|  |      |                      | Pacheco Water District   | 1326          |
|  |      |                      | San Luis Water District  | 7178          |
|  |      |                      | Panoche Water District   | 4549          |
|  |      |                      | Westlands Water District   | 121177        |
|  |      |                      | AltaGas  | 0             |
|  |      |                      | City of Huron @ LAT. 23R   | 69            |
|  |      |                      | City of Huron (P&R/Area 11 @ 22R)  | 5             |
|  |      |                      | Lemoore N.A.S. thru WWD @ 28L,29L&30L  | 177           |
|  |      |                      | Kings County thru WWD Laterals in Reach 6  | 1017          |
|  |      |                      | City of Avenal   | 203           |
|  |      |                      | City of Dos Palos  | 89            |
|  |      |                      | City of Coalinga   | 1245          |
|  |      |                      | DFG @ O'Neill Forebay  | 106           |
|  |      |                      | Pacheco Tunnel   | 6302          |
|  |      |                      | DFG @ Lateral 4L & 6L & 7L   | 24            |
|  |      |                      | DWR Water Truck @ 22R/F&G @ Lat.22R  | 0             |
|  |      |                      | Parks & Recreation   | 1             |
|  |      |                      | 0 AF for DWR Water Truck at O'Neill, 1 AF for Cattle Program @ O'Neill Reservoir | 0             |
|  |      |                      | <b>Customers Total:</b>  | <b>143496</b> |
| Pool 12 - Reach 2B<br>VA Turnout Use AF = 35 |      |                      |  |               |
| DWR 3137(Rev.9/15)                           |      |                      |  | 143531        |



## Monthly Availability Report

CW "Bill" Jones Pumping Plant

May - 2023

| Unit # | Max Hours | Scheduled Outages (1) | %       | Unscheduled Outages (2) | %     | Over-all Availability % | Starts | Comments |
|--------|-----------|-----------------------|---------|-------------------------|-------|-------------------------|--------|----------|
|        |           |                       |         |                         |       |                         | Pump   |          |
| Unit-1 | 744       | 268.5                 | 36.09%  | 0.0                     | 0.00% | 63.91%                  | 1      |          |
| Unit-2 | 744       | 0.0                   | 0.00%   | 20.8                    | 2.80% | 97.20%                  | 2      |          |
| Unit-3 | 744       | 744.0                 | 100.00% | 0.0                     | 0.00% | 0.00%                   | 0      |          |
| Unit-4 | 744       | 14.2                  | 1.91%   | 0.5                     | 0.07% | 98.02%                  | 6      |          |
| Unit-5 | 744       | 0.0                   | 0.00%   | 0.0                     | 0.00% | 100.00%                 | 4      |          |
| Unit-6 | 744       | 0.0                   | 0.00%   | 0.0                     | 0.00% | 100.00%                 | 3      |          |
| Total  | 4464      | 1026.7                | 23%     | 21.3                    | 0.48% | 76.52%                  | 16     |          |

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  
May - 2023

| Unit #       | Max Hours   | Scheduled Outages (1) | %         | Unscheduled Outages (2) | %            | Over-all Availability % | Starts   |          | Comments |
|--------------|-------------|-----------------------|-----------|-------------------------|--------------|-------------------------|----------|----------|----------|
|              |             |                       |           |                         |              |                         | Pump     | Gen      |          |
| Unit-1       | 744         | 372.8                 | 50.11%    | 0.0                     | 0.00%        | 49.89%                  | 1        | 0        |          |
| Unit-2       | 744         | 0.0                   | 0.00%     | 0.0                     | 0.00%        | 100.00%                 | 1        | 0        |          |
| Unit-3       | 744         | 0.0                   | 0.00%     | 0.0                     | 0.00%        | 100.00%                 | 2        | 0        |          |
| Unit-4       | 744         | 0.0                   | 0.00%     | 0.0                     | 0.00%        | 100.00%                 | 1        | 0        |          |
| Unit-5       | 744         | 0.0                   | 0.00%     | 0.0                     | 0.00%        | 100.00%                 | 1        | 0        |          |
| Unit-6       | 744         | 0.0                   | 0.00%     | 0.0                     | 0.00%        | 100.00%                 | 2        | 0        |          |
| <b>Total</b> | <b>4464</b> | <b>372.8</b>          | <b>8%</b> | <b>0.0</b>              | <b>0.00%</b> | <b>92.00%</b>           | <b>8</b> | <b>0</b> |          |

Notes:

(1) Planned maintenance

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



## Monthly Availability Report

DCI Pumping Plant

May - 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-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%                 | 5      |          |
| Total  | 2976      | 0.0                   | 0%    | 0.0                     | 0.00% | 100.00%                 | 22     |          |

Notes:

(1) Planned maintenance

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