



May 16, 2024

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for April 2024

**OPERATIONS DEPARTMENT**

The C.W. “Bill” Jones Pumping Plant (JPP) operated with 1 to 2 units for the month of April. The average rate of pumping for the JPP was 1,089 cfs for the month.

Total pumping at the JPP for the month of April was 64,766 acre-feet. The O’Neill Pump/Generating Plant (OPP) generated 12,151 acre-feet, and pumped 28,733 acre-feet during the month. 0 acre-feet were pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and 0 acre-feet was reversed from the DCI into the DMC for the month of April.

The Federal share in the San Luis Reservoir at the end of April was 890,627 acre-feet as compared to 957,468 acre-feet for the end of April 2023.

During the month of April, releases from Friant Dam ranged from 543 to 877 cfs with 16,795 acre-feet entering the Mendota Pool. Flows for the San Joaquin River Restoration Program (SJRRP) were 16,961 acre-feet for the month.

**Canal Operations Department**

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

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

4.98	20.43 L	25.02 R
25.63 R	27.80 R	29.19 L
32.62 R	33.07 R	34.63 R
37.32 L	37.33 L NP	47.89 R
48.96 R	48.97 L	57.46 L
58.26 L NP	58.73 R	58.90 L
63.96 L	66.68 L	66.73 L
68.03 L	78.56 R	79.13 L NP
79.60 L	84.39 L	88.65 R

- Serviced flow meters at DMC MP's

13.25 R	18.05 L	18.60 L	18.90 L
19.18 L	20.43 L	21.26 R	26.89 R
26.95 L	28.19 L	29.56 L	29.95R
30.43 R	30.96 L	31.31 L	31.60 L
31.60 R	32.36 L	33.71 L	33.90 R
34.08 L	36.01 L	36.39 L	36.68 L
41.53 R	45.20 L	45.35 R	45.38 L
46.02 L	46.19 R	46.83 L	58.90 L
64.32 L	69.21 L	81.08 R	82.79 R
84.39 L	88.65 R	88.91 L	

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

### **Other Activities**

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

- C-23-JP-63C JPP Unit 6 warranty inspection
- C-24-JP-13 JPP Unit 4 annual maintenance
- C-24-JP-13A JPP Unit 4 annunciator maintenance
- C-24-ON-14 OPP Unit 6 annual maintenance
- C-24-JP-15 JPP Unit 4 & 6 suction elbow
- C-24-JP-16 JPP Unit 1 motor enclosure
- C-24-JP-17 JPP Unit 3 inspect exciter
- C-24-ON-18 OPP Unit 1 annual maintenance
- C-24-JP-19 JPP Units 5 & 6 CO<sub>2</sub> issues
- C-24-JP-19A JPP Units 5 & 6 CO<sub>2</sub> issues
- C-24-ON-20 OPP Unit 4 cooling water line leak
- C-24-JP-21 JPP Building UZ11A cover plate repair

## **Jones Pumping Plant**

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

- Reassembly of JPP Unit 6 after warranty inspection and repairs
- JPP Unit 5 CO<sub>2</sub> bottle inadvertent discharge troubleshoot and repair
- JPP Unit 4 annual maintenance
- JPP Unit 4 lower guide bearing assistance (excitor removal and reinstall)
- JPP Unit 3 trip troubleshoot and repair
- JPP Unit 3 excitor commutator brush contamination troubleshoot and repair
- JPP Unit 1 cooling water valve limit switch troubleshoot and repair
- OPP Unit 6 annual maintenance assistance
- Relay testing for annual maintenance 12-month PM
- JPP lighting electrical test and inspection 3-month PM
- Fire suppression system panel for banks 1-3 alarm troubleshoot and repair

### **Mechanical Maintenance Crews:**

- Perform 5-year inspection on unit stator and rotor following rewind work (Unit 4)
- JPP Unit 4 annual maintenance (BFV, pump, and motor)
- Crane assistance for removing JPP Unit 3 doghouse and armature
- JPP Unit 5 CO<sub>2</sub> inadvertent discharge bottle swap
- Fabricate insulator parts for slip ring brush holders
- Pressure wash and paint all Butterfly gallery access hatches
- JPP Unit 3 lower guide bearing replacement
- Remove and modify wire rope sling attachments for vendor for SS fittings
- Repaired air housing and supply side elbow leaks
- Paint rehab on Kinney Strainer
- Air wash unit/HVAC filter PM
- JPP spare CO<sub>2</sub> bottle 6-month PM
- West Bank (Units 1-3) CO<sub>2</sub> bottle 6-month PM
- East Bank (Units 4-6) CO<sub>2</sub> bottle 6-month PM

### **Civil Maintenance Crews:**

- None to Report

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

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

- OPP Unit 1 annual maintenance
- OPP Unit 6 annual maintenance
- OPP transformer rehabilitation support
- OPP confined space entry training
- OPP unit SEL relay upload/download programming for USBR
- OPP station service dry transformer test and inspection PM
- OPP Annunciator Panel test and inspection PM
- OPP air, heat, vent system 3-month PM
- OPP trash rack crane test and inspection 3-month PM
- OPP emergency lighting PM
- JPP Unit 3 trip troubleshoot and repair support

### Mechanical Maintenance Crews:

- OPP Unit 1 annual maintenance
- OPP Unit 6 annual maintenance
- OPP Unit 4 cooling water pipe leak troubleshoot and repair
- OPP transformer rehabilitation support
- OPP confined space entry training
- OPP 5 ton stop log gantry crane test and inspection PM
- OPP trash rack crane test and inspection 3-month PM

### Civil Maintenance Crews:

- None to report

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

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

- None to report

#### Mechanical Maintenance Crews:

- None to report

#### Civil Maintenance Crews:

- DCI Generator PM

### **Delta-Mendota Canal**

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

- Check 18 check gates test and inspection 12-month PM
- MP 115 flowmeter data and parameters troubleshoot and repair

#### Mechanical Maintenance Crews:

- DMC lining repair support at MP 41.49

#### Civil Maintenance Crews:

- Chemical weed control MP 39.81 – 57.95, 62.09 – 75.84, 79.80 – 115.00, SLD
- Mechanical weed control MP 2.80 – 52.01, 68.03 - 71.31, 102.93 – 110.42, VWW
- Trash collection from MP 17.23, 81.69 - 81.79, 107.42 - 110.12, SLD (Check 35)
- Remove beaver dams from SLD (Check 34)
- Grading roadways from MP 0 - 2.68, 2.80 -19.17, 54.39 - 68.03, VWW and NWW
- Erosion repairs at MP 39.90, 42.68, 44.50
- DMC liner repair and prep work at MP 41.49
- Repair shoulder drains at MP 22.06, 22.45, 22.54, 26.21 – 28.27
- Confined space training
- Removed sediment from the City of Tracy turnout
- Float line repair at JPP, MP 13.25,
- Assisted with set up for the solar over canal USBR Ceremony
- DMC traffic gate repair at MP 39.81, 56.60, 68.59
- TFO shop and yard cleanup
- Painted DMC gates at MP 68.65, 71.31,
- DMC sign repair maintenance at MP 13.25, 16.19, 16.22, 17.22, 68.65
- Rodent abatement from MP 2.80 – 58.23, Check 14 to 68.03

- Provide support for USBR Bathymetric survey along the DMC
- DMC pothole repairs from 68.03 to 71.31
- DMC fence repair at MP 78.59
- Vehicle auction prep for Richie Bros
- Forklift training
- Installed steps for meter well at MP 84.39
- Numerous vehicle oil changes and minor repairs
- Fence repair to LBFO yard due to vandalism
- Fire extinguisher and eyewash station PM

### **Tracy Field Office**

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

- Phone system troubleshoot and repairs to the CMT building and office
- JPP Domestic Water Treatment Plant Replacement Project (WTPP)
- Continue to build, install and outfit new E-SHOP vans for service

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

- JPP Domestic WTPP rehab
- Paint office for new IT employee in the control room building

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

- None to report

### **Other Activities**

- None to report

### **USBR Support Services**

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

- USBR Contract modification with Joe Molina

### **ENGINEERING DEPARTMENT**

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

- Data management of well readings and creation of Warren Act hydrographs
- DMC check motor replacement
- DMC milepost 20.15L leak investigation, monitoring, and containment berm support
- OPP siphon house compressor warranty repair
- OPP Unit 6 stator & rotor inspection
- OPP metering & relaying as-built drawings
- JPP Unit 6 CO<sub>2</sub> system
- USBR RO&M report reviews
- Fire Protection report reviews

## **Land Management Activity Summary:**

The Engineering staff issued six (6) Access Permit this month:

- Emergency Access Permit P2502001 was issued to Del Puerto Water District to repair the leaky meter distribution box at Milepost 31.60-L on the Delta-Mendota Canal.
- Access Permit P2502002 was issued to Del Puerto Water District allowing the use of goats to graze on the canal right-of-way from Milepost 60.65-L to Milepost 62.09-L on the Delta-Mendota Canal
- Emergency Access Permit P2502003 was issued to Del Puerto Water District allowing them to repair the gate valve servicing the turnout at Milepost 43.22-L on the Delta-Mendota Canal
- Access Permit P2502004 was issued to Baldwin Ranch Development granting them access to the canal right-of-way in order to install a barrier wall to the adjacent property near Milepost 40.37-L on the Delta-Mendota Canal
- Access Permit P2502006 was issued to Del Puerto Water District in order to conduct a study to monitor Trihalomethanes (THMs) as part of the NVRRWP from Milepost 37.24 to Milepost 45.77 on the Delta-Mendota Canal
- Access Permit P2502007 was issued to Del Puerto Water District allowing the temporary installation of a 12" PVC above ground pipeline to irrigate adjacent landowner's crop near Milepost 28.19-L on the Delta-Mendota Canal

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

- Orestimba Creek Recharge Project
- Costco HOM property development
- Rogers Road Bridge design
- Koster Road Bridge modifications
- Grasslands Water District Pipeline Project
- Costco Cold Distribution Center Development
- Fresno County Nees Ave. Bridge Replacement

## **SAFETY DEPARTMENT**

The Safety Department worked on the following items this month:

- Provided Job Hazard Analysis support to the crews
- Conducted Accident Investigations
- Sent out Safety Topics for the month of April to all SLDMWA staff:
  - 4-1-2024 Silica Dust Safety
  - 4-2-2024 Powered Industrial Trucks and Pedestrian Safety
  - 4-3-2024 Distracted Driving
  - 4-4-2024 Walking and Working Surfaces
  - 4-5-2024 Flash Protection
- Provided Safety Message for April 2024 Newsletter
  - Universal Waste
- Scheduled annual hearing tests for selected employees
- Provided FHECP training to contractors
- Coordinated Dielectric Glove testing

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

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

- Continued closing outstanding PO's in preparation for new Fiscal Year
- WAM Manager completed final Annual Inventory Report
- WAM Manager & Contract Specialist attended Planet Bids demonstration
- WAM Manager & Accounting met with FMT Consultants to improve current inventory checkout procedures
- WAM Manager attended follow-up meeting for strategic planning updates
- Contracts/PO Agreements/LOA's Status Update:
  - F24-ALL-006 Heavy Equipment Rental Master Agreement – Pre-solicitation stage, Scope of Work (SOW) being developed
  - F24-DMC-010 Diving Services Master Agreement – Pre-solicitation stage, still pending SOW
  - F24-TFO-002 Fuel Delivery Master Agreement – Pre-solicitation stage, first draft solicitation with WAM Manager for review
  - F24-ALL-020 Fire Sprinkler Inspection – Pre-solicitation stage, pending SOW update from Project Manager
  - F25-LBAO-003 Compensation Study – Awarded, awaiting contract signatures
  - F25-TFO-001 Landscape Maintenance – Awarded and Executed
  - F25-OPP-031 Pentair Pump Bowl Manufacturing – Sole Source voided. Plan to issue RFP
  - F23-TFF-017 Tension Arm Repair Work – Work completed
  - F25-TFO-004 TFO Parking Lot Seal Coat & Striping - Pre solicitation, pending SOW
  - F22-DMC-047 Subsidence GEX - Pending 2nd amendment for term extension
  - F25-DMC-005 DMC Subsidence Utility Locating and Mapping Services – Pre solicitation, pending SOW
  - F24-OPP-009 Station Battery Replacement - Pending DIR/CSLB update, materials ordered
  - F24-OPP-013 UPS Battery Replacement - Pending DIR/CSLB update, materials ordered
  - F25-TFO-007 Excitation System - Pre solicitation, preparing Letter of Interest
  - F25-OPP-009 OPP Water Cooling Kinney Strainers – RFQ issued, pending quote

### Ongoing:

- Purchasing in support of the O&M crews, and maintaining/replenishing warehouse stock
- Warehouse receiving, stocking, and distribution
- Invoicing/vendor bills/vendor credits processing/invoice disputes
- Routine janitorial activities at the TFO facilities
- Participated in NetSuite biweekly meetings and Shepherd weekly meetings
- Contract management/administration activities, including bi-weekly contract update meetings with Engineering staff
- Developing/implementing/updating purchase/procurement and asset/inventory procedures/boilerplate templates
- Bi-weekly WAM staff meetings to discuss updates/issues
- Contract invoice payment reviews, invoice disputes as needed, invoice payments
- Continuous testing for improvements to procedures in NetSuite, as well as ongoing issues related to NetSuite constraints

- Development of Blanket Contracts and Blanket Purchase Orders/Agreements
- Reviewing and marking dead stock inventory for disposal
- Bi-weekly COO staff meetings

## **INFORMATION TECHNOLOGY DEPARTMENT**

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

### **Administrative Activities:**

- Monthly FAC, WRC and BOD meetings with Zoom
- Creating policies for BYOD with Legal
- Management of FY25 RO&M budget
- FY26 budget prelim work
- Create EO&M Projects in NetSuite

### **General Network & Desktop Support:**

- Continued research on budgeting software solution
- Desktop support calls
- Firewall firmware updates
- Research abnormal network activity as reported by Darktrace
- Built and deployed AD Servers in LBFO and OPP
- DHCP Migrations
  - sldmwa-sql10 to svr-ad3
  - sldmwa-mail to svr-ad40
- Exchange Server Maintenance:
  - Updated Windows Server
  - Exchange Server CU22 to CU23 upgrade
- Created Audio Visual Travel Kit
  - Projector
  - Projector screen
  - All possible adapters
  - Laser pointer and remote
- Active Directory Cleanup
  - Removed Tombstone Servers
  - DNS Rework
- DNS Network Rework
  - DNS replication by physical location
    - TAO & TFO
    - LBAO & LBFO & OPP
    - SAC

### **Ongoing:**

- NetSuite
  - User and Administration
  - Bi-Weekly Implementation Team meetings
  - Monitor Citrin Cooper support activities for NetSuite
- Shepherd
  - Weekly progress meetings
  - Continue testing tablets in field



- Additional modifications to User Roles
- Server refresh prep for deployment to LBFO and OPP
  - WAM Servers, prepping for redeployment
- Cybersecurity
  - Monitor Symantec Anti-Virus Management Console
    - Update Symantec
  - Security updates on Servers
  - Monitor Firewall
  - Monitor Darktrace appliance reporting
  - Update additional AV security settings
  - (MFA) Multi Factor Authentication vendor SurePassID
    - Installed “live” MFA Server after purchase of licenses
  - Cyber Security training and webinars
    - Cyber Readiness Institution Certification Course
  - Monitor Knowbe4 Phishing Campaign
  - Cyber Security Team
    - Cyber Security Incidence Response Plan
    - Disaster Recovery Plan
    - Business Continuity Plan
  - Monitor IBM (MAAS360) Mobile Device Management
  - Virtual Server to host new Symantec Message Gateway Server
    - Prep for deployment
  - Review Infragard dispatches – FBI Cyber Security group
  - Monitoring Darktrace Cyber Security appliance in IT network
    - Advanced configurations IT/OT
  - Add Cloud immutable backups
  - Add “Cold” air gapped local backups
- Continue to troubleshoot email auto-discover issues
- Deployment of Office 2021
- Logistical and technical support provided to Trofholz, new site security installation vendor hired by USBR
  - Gate control planning
    - Tracy gate materials ordered
    - Trofholz (vendor) will tie controls into newly installed security system
- DWR regarding use of fiber from a 1992 contract agreement
- Document management evaluating quotes
- Review quotes for surface and laptop refresh cycle
  - New quotes as original equipment no longer available
- Data migration
- FY24/FY25 Laptop refresh
  - OS Image Creation and Deployment
- New Asset Control and Tracking

## **SCADA Department**

The SCADA staff worked on the following items this month:

### Administrative Activities:

- PIV Card security process; forms and fingerprints

### EO&M SCADA General Support:

- Built new Virtual Server
- Quote requests for Aveva to Ignition conversion
- OPP
  - SCADA/user station server upgrade
    - New rack mount PC build
    - Installed new OS Win 10, Aveva Software, TopServer, and licensing
- DMC
  - Work on PLC replacement plan for check structures
  - Reviewing red lined electrical diagrams and assembling parts list for the PLC replacement
  - Reviewing needs for PLC and controls at check structures
- JPP
  - Water treatment plant SCADA integration
- DCI
  - Air Handler System Evaluation
- Continued review and research for overall SCADA upgrade and replacement
- Reimaged Sandbox VMWare to start ignition testing
- Developed a Linux OS ignition SCADA system to test getting away from Windows licensing prices
- Moved Windows OS Ignition project to the running Linux OS Ignition project.
- Work on establishing communication with Depolox system
- Spec parts for siphon house communication upgrades
- Quote parts for siphon house communication upgrades
- Research a new solution for virtualization of servers Proxmox, Virtual Box, and Hyper -V
- Tested VMWare virtual player
- Started design of new O.T. network

### SCADA O&M:

- Ordered stand-alone camera system for the Tracy warehouse to have two cameras
- Made contact with AT&T to start APN testing with DIGI devices
- Quote parts for check 21
- Verified O.T. Server circuit capacities and usage in server room
- Worked on a new Wi-Fi system design for all of our buildings.

## **HUMAN RESOURCE DEPARTMENT**

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

### **General Administrative Activities:**

- Active Recruitments
  - Accounting Manager (formerly Accountant III) on-going
- Closed Recruitments
  - Civil Maintenance Worker (Tracy)
- Candidates Selected
  - Civil Maintenance Worker (Tracy)
- Skills Testing
  - Civil Maintenance Worker (Tracy)
- New Hire Orientations
  - Information Systems Technician
- RFP for total compensation survey – Consultant selected

### **Trainings:**

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

### **Government Reporting:**

- EEOC tracking/reporting
- Affirmative Action report tracking

### **Ongoing:**

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

# EXTRAORDINARY O&M & CAPITAL PROJECTS

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

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

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

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

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

Status: SLDMWA continues to work closely with Reclamation on the DMC Subsidence Correction Project (Project) and is managing the \$2.4M CDM Smith Feasibility Study contract, the \$2.7M Terracon Geotechnical contract, and the \$5.7M Upper DMC Design contract with USBR Technical Services Center (TSC).

Feasibility Study: The Feasibility Study is in the final stages, awaiting review comments from Reclamation Policy. Policy has reviewed the study and finds that it appropriately addresses the need for Upper DMC restoration; however, it is still reviewing the Lower DMC repair. Reclamation is addressing additional comments as it relates to the Lower DMC and will continue to coordinate with Policy as they work through the review. The Wetland Delineation Report was updated and issued to SLDMWA and Reclamation for review and finalization. Reclamation will use the report for their consultations with the U.S. Army Corp of Engineers (USACE) for concurrence.

Geotechnical Exploration: Terracon has submitted the Draft Geotechnical Data Report (GDR) to the project team for review. The SLDMWA/Reclamation team submitted comments on the GDR and met with Terracon to discuss them. Terracon is currently working towards addressing the comments and is planning to submit the Final GDR on May 31<sup>st</sup>. Terracon will then transition to preparing the Draft Geological Characterization Report.

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

Design Data Support: Numerous design data collection efforts have been completed and continue to be coordinated. USBR completed bathymetric surveys from MP 3.55 to MP 90. USBR Geophysicist will perform Geophysical surveys on select reaches of DMC to understand the root cause of embankment

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movement and be incorporated into the design. This effort begins in May and is anticipated to continue through mid-May.

### Design:

- Reclamation continues to progress toward 30% design.
- SLDMWA staff and management has expressed a willingness to take on specific construction tasks to fully utilize DWR grant funding. SLDMWA has met with Reclamation to determine which items may be fast tracked through Reclamation design to be constructed through a SLDMWA issued solicitation. It was determined that it would be best to wait until 30% design after all disciplines have submitted preliminary designs. In the mean time, SLDMWA will work with CDM to determine the permitting compliance necessary to complete these smaller construction projects.
- SLDMWA has provided the CAD files of known utility crossings to TSC, however TSC has requested that WA further explore the utilities by gathering depths and routing of utilities. Staff has developed a scope of work and is working to develop the solicitation.
- The subsidence project team has reached out to the SGMA group to coordinate subsidence models and ensure the projects are aligned with each other. Both projects are using the same modeling framework however, with different objectives. The subsidence project model runs a number of scenarios and performs a statistical analysis to develop a recommended subsidence value, whereas the SGMA model is used to model actions to maintain subsidence to <2 ft. Both models are in agreement on Lower DMC subsidence; however, Reclamation will revisit historical subsidence to calibrate the model and develop updated estimates for the Upper DMC. Additional coordination meetings are upcoming.

DWR Grant: Staff continues to work closely with DWR on grant management activities. The last quarter ended on 3/31, and staff is assembling the latest progress report and invoice to submit in early May.

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

Status: The contract was executed in November 2023 for the purchase of 50 flowmeters from McCrometer. Approximately 35 meters have been received. Final delivery of meters is expected to occur by September, with installation completed soon after.

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

Status: Use of the Emergency Reserve Fund was approved by Reclamation in November. With the low DMC flows in April, DRS Marine was able to mobilize to the site and remove the sediment through a dredging operation and were able to take measurements to quantify the extent of the damage. Staff created an updated drawing of the repairs, and DRS remobilized to the site on May 6. Repairs are ongoing to the liner and will be complete by May 10.

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

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

#### **JPP Excitation System & Control Cabinet Modernization (FY18)**

Status: SLDMWA is currently in contract with Reclamation through a Letter of Agreement (LOA). The 100% design package (SpecB) is now scheduled for completion in September 2024. Staff have requested certain portions of the design package be expedited to the SLDMWA in an effort to absorb the latest schedule slip. SLDMWA will begin putting the solicitation package together in July, working concurrently with TSC. In an effort to ensure appropriate interest in the project, a Letter of Interest was published in several newspapers.

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

Status: No activity

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

Status: Jones Unit 3 Rewind Project is complete and final repayment was received this month. Staff is awaiting the substantial letter of completion.

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

Status: Project is complete. Powell mobilized back to the site on May 6<sup>th</sup>, and completed the required work to ensure the building is arc flash compliant.

#### **JPP Concrete Slab by Trashrake Dumpster (FY23)**

Status: No activity this month. Project is currently in the planning and design phase. Technical specifications that incorporate the Geotechnical Report prepared by a consultant are approximately 90% complete and under final review pending internal review, with the design drawings 100% complete. The schedule for the solicitation and construction phases have been developed, and construction is anticipated to commence in October 2024.

#### **Jones Pumping Plant Unit 6 Rotor Repairs**

Status: Project is complete and Unit 6 has been returned to service.

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

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

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

Completed tasks to date include the spare transformer lid repair; removal of existing control panel, wiring and conduits, auxiliary tank, pressure relief device (PRD), sudden pressure relay (SPR), oil and winding temperature gages, and oil

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level gage. CEI trenched and laid new conduits for new cables to power the fans and new systems. NCL prepped and painted the spare transformer. CEI mounted new fans, PRD, SPR, temperature gages, and nitrogen system. CEI, PPT and RESA tested and installed (2) Low voltage bushings, neutral bushing, and high voltage bushing. RESA has drained the existing mineral oil from the spare transformer, replaced with nitrogen gas, and replaced the radiator gaskets. RESA and TSC performed internal inspections. NASS delivered 17 totes of MIDEL synthetic ester fluid, flushed 8 totes to the spare transformer, and filled with 8 totes. TSC staff was onsite during the oil processing, confirmed the procedure, checked for acceptable oil results, and modified the procedure necessary for acceptable oil results. TSC also inspected the mounted devices and made corrections to CEI on the SPR, temperature gages, and conduits.

In April, CEI picked up the 8 totes of flushed oil for disposal. TSC has recommended to CEI to provide submittals and wait for approved submittals before installing any more devices and equipment. CEI has temporarily demobilized to focus on submittals so that there would be no errors in installation.

Outage schedule for construction has been discussed with Reclamation CVO, CGB, TSC, and SLDMWA for a possible July-August timeframe.

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

Status: Staff continued to work closely with Pentair to enter into a Service Agreement to complete the engineering, design, and fabrication for the Pump Bowl Replacement Program and the Unit Woodward Governor Replacement projects. Staff submitted a BIL application to fund this project back in January, and anticipate hearing favorable results in May. Staff is evaluating solicitation options for the pump bowl design and manufacturing.

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

Status: The site work for this project is scheduled to occur during the extended outage for the Transformer Rehabilitation project. All materials have been purchased and are on hand, awaiting to be executed during the outage. Work will be executed by a contractor. Staff continues to work with the contractor to ensure they are compliant with California public contract codes prior to onsite work.

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

Status: The site work for this project is scheduled to occur during the extended outage for the Transformer Rehabilitation project. All materials have been purchased and are on hand, awaiting to be executed during the outage. Work will be executed by a contractor. Staff continues to work with the contractor to ensure they are compliant with California public contract codes prior to onsite work.

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

Status: The site work for this project is scheduled to occur during the extended outage for the Transformer Rehabilitation project. All materials have been purchased



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

and are on hand, awaiting to be executed during the outage. Work will be executed by SLDMWA staff.

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

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

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

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

Status: Project is nearing completion. The primary water treatment equipment including the multi-media filters, GAC filters, and the membrane skids have been replaced. The building has been rehabilitated with a new roof and paint, and the site has been regraded to prevent flooding of the building. The California State Water Board inspected the new plant on December 18, 2023 and the list of corrective actions were minor and will be addressed by end of May 2024. Upgrades to the controls both locally and through the SCADA system are underway and are scheduled to be completed by late May 2024. The PLC has been replaced and new HMI added. The addition of operator requested improvements that will increase their offsite visibility and control of the system is underway. Visibility has been added for the 2 Nano Filter skids and Hach instruments on the local HMI.

### **MULTIPLE FACILITIES**

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

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

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

### SCADA System Evaluation (FY23)

Status: Staff is close to finishing this project, with the following tasks in progress:

- Working with operators to ensure display suits their needs.
- Testing continues with new SCADA software solutions to determine if fully capable to handle our SCADA needs and negotiating annual contract rates.
- This month staff discovered O'neill had a microwave system at one time and are checking to see if the towers and reflectors are still there to possibly utilize as a backup system.

### TFO Parking Lot Seal Coat & Striping (FY25)

Status: As part of the Facility Infrastructure Replacement/Rehabilitation Program, the Water Authority will be issuing Informal Bids to qualified contractors to have the Tracy Field Office parking lot seal coated and striped. This activity is done every 7 years for this specific location. The approved budget for this project is \$105,000.



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

*NOTE: ALL FIGURES ARE IN ACRE FEET*

	<b>March-2024</b>	<b>March-2023</b>
JONES PUMPING PLANT - PUMPED	164,350	251,791
DCI PLANT - PUMPED	9,440	23,780
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	109,589	227,748
O'NEILL P/G PLANT - GENERATED	0	0
DMC DELIVERIES	12,922	3,018
RIVER/WELL/RECYCLE WATER INTO DMC	7,202	7,108
MENDOTA POOL DELIVERIES	49,084	35,095
SHASTA RESERVOIR STORAGE	4,194,200	3,770,900
SAN LUIS RESERVOIR STORAGE	1,485,252	1,996,029
FEDERAL SHARE	962,771	928,425

	<b>March-2024</b>	<b>March-2023</b>
SAN LUIS UNIT DELIVERIES	3,545	1,387
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	268	1,155

Jones Pumping Plant monthly average = 2,679 cfs



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

Date 4/11/2024

<u>District/Other</u>	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
<b>Total Pumped @ Jones Pumping Plant</b>	<b>164,350</b>			
<b>Total Pumped @ DCI</b>	<b>(9,440)</b>			
<b>Total Reversed @ DCI</b>	<b>0</b>			
City of Tracy		0	0	0
Byron Bethany I.D.		103	1	104
Banta Carbona I.D.		0	0	0
West Stanislaus I.D.		1,132	0	1,132
Patterson I.D.		0	0	0
Del Puerto W.D.		2,259	3	2,262
Central California I.D. - above check #13		1,306	0	1,306
Santa Nella County W.D.		0	16	16
Volta Wildlife Mgmt. Area (Fish & Game)		1,219	0	1,219
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		5	0	5
<b>Total Pumped @ O'Neill PP</b>	<b>(109,589)</b>			
<b>Total Generated @ O'Neill PP</b>	<b>0</b>			
Central California I.D. - below check #13		3,552	0	3,552
Grasslands W.D. (76.05-L)		0	0	0
Fish & Game Los Banos Refuge (76.05-L)		605	0	605
Fish & Wildlife Kesterson (76.05-L)		584	0	584
Freitas Unit (76.05-L)		752	0	752
Salt Slough Unit (76.05-L)		0	0	0
China Island (76.05-L)		0	0	0
San Luis W.D. - below check #13		329	0	329
Panoche W.D.		812	2	814
Eagle Field W.D.		203	0	203
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		39	0	39
River and Groundwater well pump-in	4,944			
North Valley Regional Recycled Water Program	2,258			
Change in Canal Storage	(352)			
Wasteway Flushing and Spill	0			
Total Available in Delta-Mendota Canal	52,171			
<b>TOTAL DELIVERY FROM DELTA-MENDOTA CANAL</b>	<b>(12,922)</b>	<b>12,900</b>	<b>22</b>	<b>12,922</b>
Theoretical DMC Delivery to Mendota Pool	39,249			
Total DMC Calculated Delivery to MP	36,998			
Estimated (Loss) or Gain in DMC	(2,251)			
Estimated % Loss or Gain in DMC	-1.31%			



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

<u>District/Other</u>	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
Estimated DMC Inflow to MP	36,998			
Mendota Pool Groundwater Well Pump-In	946			
(+)SJRRP Releases into Mendota Pool	15,625			
(+)Available Flood Releases from Friant into Mendota Pool	0			
(+)Other San Joaquin River Water	0			
(+)Kings River Flood Releases into the Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		18,940	0	18,940
Columbia Canal Company (CCC)		2,305	0	2,305
Firebaugh Canal Water District (FCWD)		995	0	995
San Luis Canal Company (SLCC)		7,359	0	7,359
<u>Refuge:</u>				
Conveyance Losses		0	0	0
Calif Dept of F/G-LB Unit (CCID)		1	0	1
Calif Dept of F/G-LB Unit (SLCC)		993	0	993
Calif Dept of F/G-Salt Slough Unit (CCID)		0	0	0
Calif Dept of F/G-China Island Unit (CCID)		0	0	0
US Fish & Wildlife-San Luis Refuge (SLCC)		0	0	0
US Fish & Wildlife-Freitas (CCID)		1	0	1
US Fish & Wildlife-Kesterson (CCID)		1	0	1
Grasslands WD (CCID)		0	0	0
Grasslands WD (SLCC)		475	0	475
Grasslands (Private)		0	0	0
San Luis WD Conveyance (CCID)		14	0	14
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration Project:</u>				
SJRRP		16,384	0	16,384
<i>Other: (see MP Operations Report)</i>		1,616	0	1,616
<i>Total Available Water in Mendota Pool</i>	53,569			
<b>TOTAL DELIVERY FROM MENDOTA POOL</b>	<b>(49,084)</b>	<b>49,084</b>	<b>0</b>	<b>49,084</b>
*Estimated (Loss) or Gain in Mendota Pool	(4,485)			
*Estimated % Loss or Gain in Mendota Pool	-8.37%			
Total System Delivery	(62,006)			
<b>*Total Estimated System (Loss) or Gain</b>	<b>(6,736)</b>			
<b>*Total Estimated % System Loss or Gain</b>	<b>-3.59%</b>			

**Special Notes:**



Jones Pumping Plant  
March - 2024

<b>Date</b>	<b># OF UNITS</b>	<b>TIME ON/OFF</b>	<b>AVG DAILY CFS</b>
1	5	CONTINUOUSLY	4234
2	5	CONTINUOUSLY	4220
3	5	CONTINUOUSLY	4222
4	5	CONTINUOUSLY	4213
5	5	CONTINUOUSLY	4221
6	5	CONTINUOUSLY	4219
7	5	CONTINUOUSLY	4225
8	5	CONTINUOUSLY	4213
9	5	CONTINUOUSLY	4201
10	5	CONTINUOUSLY	4202
11	4	CONTINUOUSLY	3464
12	3	CONTINUOUSLY	2723
13	2	CONTINUOUSLY	1834
14	2	CONTINUOUSLY	1810
15	2	CONTINUOUSLY	1846
16	2	CONTINUOUSLY	1831
17	2	CONTINUOUSLY	1830
18	2	CONTINUOUSLY	1830
19	2	CONTINUOUSLY	1830
20	2	CONTINUOUSLY	1829
21	2	CONTINUOUSLY	1826
22	2	CONTINUOUSLY	1825
23	2	CONTINUOUSLY	1827
24	2	CONTINUOUSLY	1828
25	2	CONTINUOUSLY	1823
26	2	CONTINUOUSLY	1820
27	2	CONTINUOUSLY	1816
28	2	CONTINUOUSLY	1819
29	2	CONTINUOUSLY	1818
30	2	CONTINUOUSLY	1825
31	2	CONTINUOUSLY	1813
<b>AVG CFS for the month</b>			<b>2679</b>



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

Date: 4/1/24

<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	0
13.31-L	4,804	4,804	1	0	BBID	0	0	0	0
15.11-R	2,974	2,974	1	0	BBID	0	0	0	0
20.42-L	46,762,848	47,823,459	1	0	BCID	0	0	0	0
20.42-L	46,762,848	47,823,459	1	0	USBR/FWA	3,255	0	3,255	3,255
21.12-L	990	990	1.01	0	DPWD	0	0	0	0
21.86-L	771	771	1	0	DPWD	0	0	0	0
24.38-L	3,081	3,081	1	0	DPWD	0	0	0	0
29.95-R	1,342	1,342	0.87	0	DPWD	0	0	0	0
30.43-L	7,464	7,464	1	0	DPWD	0	0	0	0
30.43-R	2,123	2,123	0.92	0	DPWD	0	0	0	0
30.95-L	2,150	2,150	1.03	0	DPWD	0	0	0	0
31.31-L1	87,784	87,784	1	0	WSTAN	0	0	0	0
31.31-L2	87,784	87,784	1	0	DPWD	0	0	0	0
31.31-L3	87,784	87,784	1	0	PID	0	0	0	0
31.60-L	8,183	8,183	0.93	0	DPWD	0	0	0	0
32.35-L	1,794	1,794	0.86	0	DPWD	0	0	0	0
33.71-L	753	753	0.94	0	DPWD	0	0	0	0
36.80-L	1,849	1,850	1	(1)	DPWD	0	0	0	0
37.10-L	3,870	3,870	0.94	0	DPWD	0	0	0	0
37.32-L	2,653	2,653	0.91	0	DPWD	0	0	0	0
42.50-R	1,034	1,034	0.96	0	DPWD	0	0	0	0
42.53-L	7,393,678	7,467,236	1	0	PID	0	0	0	0
42.53-L	7,393,678	7,467,236	1	0	DPWD	0	0	0	0
42.53-L	7,393,678	7,467,236	1	0	USBR/FWA	1,689	0	1,689	1,689
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	3,435	0.98	(1)	DPWD	0	0	0	0
52.40-L	1,496	1,496	1	0	DPWD	0	0	0	0
58.28-L	3,371	3,371	1.02	0	SLWD	0	0	0	0
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	494	494	1	0	DPWD	0	0	0	0
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
<b>UPPER DMC SUB TOTAL</b>								<b>4,944</b>	<b>4,944</b>



**NON-PROJECT WATER CREDITS REPORT**

(ALL FIGURES IN ACRE FEET)

March 2024 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
79.60-R	5979	5,979	1	0	CCID	0	0	0	0
79.60-R	5979	5,979	1	0	GWD	0	0	0	0
79.60-R	5979	5,979	1	0	SLWD	0	0	0	0
80.03-L	834	834	0.94	0	SLWD	0	0	0	0
80.03-R	717	717	1.05	0	SLWD	0	0	0	0
98.60-R	14,194	14,194	1	0	PANOCH/MS	0	0	0	0
98.74-L	5,695	5,695	1.14	0	PANOCH/MS	0	0	0	0
99.24-L	10,493	10,493	0.92	0	PANOCH/MS	0	0	0	0
100.70-L	6,211	6,211	1	0	PANOCH/MS	0	0	0	0
102.04-R	4,088	4,088	1	0	WIDREN WD	0	0	0	0
<b>LOWER DMC SUB TOTAL</b>								<b>0</b>	<b>0</b>
<b>WARREN ACT CONTRACT CREDIT TOTAL</b>								<b>4,944</b>	<b>4,944</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>0</b>
<b>TOTAL (BANTA CARBONA IRRIGATION DISTRICT)</b>						<b>0</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>0</b>
<b>TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)</b>						<b>0</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>0</b>
<b>TOTAL (SAN LUIS WATER DISTRICT)</b>						<b>0</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>0</b>
<b>TOTAL (MERCY SPRINGS WATER DISTRICT)</b>						<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL (CENTRAL CALIFORNIA IRRIGATION DISTRICT)</b>						<b>0</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>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>0</b>
<b>Banta Carbona Irrigation District:</b>						<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>West Stanislaus Irrigation District:</b>						<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Byron Bethany Irrigation District:</b>						<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Patterson Irrigation District:</b>						<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>San Joaquin River Restoration Pump Back BCID:</b>						<b>3,255</b>	<b>3,255</b>	<b>3,255</b>	<b>3,255</b>
<b>San Joaquin River Restoration Pump Back PID:</b>						<b>1,689</b>	<b>1,689</b>	<b>1,689</b>	<b>1,689</b>

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







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

**MARCH 2024**

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 268			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	0
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	268
R3 233	13		DFG @ O'Neill Forebay	81
	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	18
	13		San Luis Water District	134
R4 7036	14		City of Dos Palos	119
	14		Pacheco Water District	293
	14		San Luis Water District	960
	14		Panoche Water District	39
	15		San Luis Water District	708
	15		Panoche Water District	1303
	15		Westlands Water District	3614
R5 20599	16		DFG @ Lat. 4L (Pilibos)	0
	16		DFG @ Lat. 4L	0
	16		DFG @ Lat. 6L	0
	16		DFG @ Lat. 7L	0
	16		Westlands Water District	5400
	17		Westlands Water District	3692
	18		City of Coalinga	1061
	18		Pleasant Valley Pumping Plant	6552
	18		Westlands Water District	3894
R6 9242	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	0
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 28L,29L,&30L	94
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	9148
R7 7417	20		City of Huron @ Lat. 23R	51
	20		DWR Water Truck @ 23R	0
	20		Westlands Water District	4966
	21		City of Avenal	180
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	2220
44795	0		<---TOTALS--->	44795
<b>TOTALS BY CUSTOMERS</b>				
Inflow Into Aqueduct:				
0 AF TOTAL for PUMP-IN				
0 AF TOTAL for FLOOD				
			Santa Nella County Water District	18
			Pacheco Water District	293
			San Luis Water District	1802
			Panoche Water District	1342
			Westlands Water District	39486
			AltaGas	0
			City of Huron @ LAT. 23R	51
			City of Huron (P&R/Area 11 @ 22R)	0
			Lemoore N.A.S. thru WWD @ 28L,29L&30L	94
			Kings County thru WWD Laterals in Reach 6	0
			City of Avenal	180
			City of Dos Palos	119
			City of Coalinga	1061
			DFG @ O'Neill Forebay	81
			Pacheco Tunnel	268
			DFG @ Lateral 4L & 6L & 7L	0
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	0
			0 AF for DWR Water Truck at O'Neill, 1 AF for Cattle Program @ O'Neill Reservoir	0
<b>Customers Total:</b>				<b>44795</b>
Pool 12 - Reach 2B				
VA Turnout Use AF = 9				
DWR 3137(Rev.9/15)				44804



## Monthly Availability Report

CW "Bill" Jones Pumping Plant

March - 2024

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	743	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-2	743	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-3	743	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-4	743	335.1	45.10%	0.0	0.00%	54.90%	0	On Clearance Ann. Maint. 3-21/24 07:50
Unit-5	743	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-6	743	743.0	100.00%	0.0	0.00%	0.00%	0	On Clearance Warranty Inspection 6-14-23 @ 08:23
Total	4458	1078.1	24%	0.0	0.00%	76.00%	0	

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  
March - 2024

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	743	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-2	743	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-3	743	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Unit-4	743	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-5	743	0.0	0.00%	0.0	0.00%	100.00%	2	0	
Unit-6	743	256.6	34.54%	0.0	0.00%	65.46%	0	0	Annual Maintenance 3-21-24 @ 09:50
<b>Total</b>	<b>4458</b>	<b>256.6</b>	<b>6%</b>	<b>0.0</b>	<b>0.00%</b>	<b>94.00%</b>	<b>3</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  
March - 2024

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	743	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-2	743	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-3	743	120.0	16.15%	0.0	0.00%	83.85%	1	Unit became available @09:23 on March 1
Unit-4	743	96.0	12.92%	0.0	0.00%	87.08%	1	Unit became available @09:03 on March 1
Unit-5	743	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-6	743	0.0	0.00%	0.0	0.00%	100.00%	0	
<b>Total</b>	<b>4458</b>	<b>216.0</b>	<b>5%</b>	<b>0.0</b>	<b>0.00%</b>	<b>95.00%</b>	<b>2</b>	

Notes:

(1) Planned maintenance

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