



June 06, 2024

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for May 2024

OPERATIONS DEPARTMENT

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 1 to 4 units for the first 28 days of May. The average rate of pumping for the JPP was 2,059 cfs.

Total pumping at the JPP for the first 28 days of May was 114,340 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 23,766 acre-feet, and pumped 43,211 acre-feet. In addition, zero (0) acre-feet was pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and 0 acre-feet was reversed from the DCI into the DMC for the first 28 days of May.

In support of the completion of deferred maintenance activities at the Tracy Fish Collection Facility, the JPP was shut down for 12 hours on Monday, May 20 and Tuesday, May 21 and for 6 hours on Wednesday, May 22.

The Federal share in the San Luis Reservoir on May 28th was 791,463 acre-feet as compared to 957,090 acre-feet for the end of May 2023.

During the first 28 days of May, releases from Friant Dam ranged from 370 to 1,480 cfs with 29,772 acre-feet entering the Mendota Pool. Flows for the San Joaquin River Restoration Program (SJRRP) were 18,476 acre-feet for the same period.

Canal Operations Department

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

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

4.98	15.11 R NP	20.43 L
25.02 L	26.21 R	26.89 R
27.80 R	31.60 R	32.38 R
40.39 R	46.02 L	46.83 L
47.37 R	54.01 L	54.70 L
59.50 RB	60.65 L	61.05 L
64.32 L	64.32 R	76.05 L
78.56 R	79.13 L NP	80.90 L
83.08 R	86.17 R	86.72 L
87.35 R	90.57 L	CGH 07 NP

- Serviced flow meters at DMC MP's

12.37 L	21.12 L	21.65 L	23.41 L
23.81 L	25.02 L	25.18 L	25.65 L
26.89 R	28.89 L	29.19 R	31.60 L
32.61 R	32.62 R	42.68 L	43.22 L
43.73 L	44.22 LA	44.22 LB	44.24 R
59.50 RB	61.05 L	64.32 L	78.56 R

- Bi-weekly meter readings on all active 200 plus turnouts
- Inspected Wasteways
 - Westley
 - Newman
 - Volta
 - Firebaugh
- Collected water samples at MP 10.62, 20.63, 29.95, 39.21, and 45.77
- Groundwater well soundings
 - USGS Monitoring Wells
 - Upper DMC Warren Act Wells
 - Lower DMC Warren Act Wells
- Routine patrols
 - DMC
 - Mendota Pool
 - San Luis Drain
- Coordinated flow measurements
 - Kings River James Bypass (USBR)
 - San Joaquin River Bifurcation (USBR)
 - DMC Milepost 4.98 (USGS)

Other Activities

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

- C-24-JP-13 JPP Unit 4 annual maintenance
- C-24-JP-13A JPP Unit 4 annunciator maintenance
- C-24-ON-18 OPP Unit 1 annual maintenance
- C-24-JP-21 JPP Building UZ11A cover plate repair
- C-24-ON-22 OPP Unit 5 exciter and speed head inspection

Jones Pumping Plant

Electrical/C&I Maintenance Crews:

- Reassembly of JPP Unit 6 after warranty inspection and repairs
- JPP Unit 3 annual maintenance
- JPP Unit 4 annual maintenance
- JPP Unit 4 lower guide bearing installation assistance
- JPP Unit 4 13.8 kV breaker 12-month PM
- JPP Unit 3 start failure due to 48F field troubleshoot and repair
- Switchgear building UZB 15 rear section inspection
- Update firmware and settings to relay T1 per USBR recommendations

- UZ6A breaker F12 12-month PM
- UZ11A 13.8 kV breaker F11 12-month PM
- UZ11A 13.8 kV breaker F22 12-month PM
- UZ11A protective relay JPF11 update
- Assist contractors with disconnect and reconnect of F2/F11 cables from bus
- Tracy Switchyard lighting 3-month PM
- JPP Sewer Room drain pump 6-month PM
- JPP emergency lighting 12-month PM
- JPP trash rake HMI troubleshoot and repair
- JPP Siphon House breaker communications upgrades
- JPP plant systems C&I PM
- JPP ½ ton monorail hoist test and inspection 3-month PM
- JPP lighting 3-month PM

Mechanical Maintenance Crews:

- JPP 100/20 Gantry Crane hoist trolley 3-month PM
- JPP ¼ ton monorail crane hoist PM
- JPP Unit 3 annual maintenance
- JPP Unit 4 annual maintenance
- Clean and coat bonnets and hatches at JPP
- JPP unwatering pump #1 3-month PM
- JPP unwatering pump #2 3-month PM
- JPP sump pump 3-month PM
- JPP air filter change PM
- Air wash pump malfunction troubleshoot and repair
- JPP Unit 3 lower guide bearing spare replacement
- JPP Unit 3 lower guide bearing jig modification
- JPP 21 ton bridge crane hoist 3-month PM
- JPP shop monthly cleanup PM
- JPP spare CO₂ bottle 6-month PM
- OPP sand filter system rehabilitation support

Civil Maintenance Crews:

- None to Report

O'Neill Pumping/Generating Plant

Electrical/C&I Maintenance Crews:

- OPP Unit 1 annual maintenance
- OPP Unit 5 exciter wheel disassembly and troubleshoot
- OPP Unit 6 vain control limit switch test and calibration
- OPP transformer rehabilitation support
- OPP Siphon House primary vacuum pumps 1-3 test and inspection 3-month PM
- OPP Siphon House main compressor 1 & 2 test and inspection 3-month PM
- OPP station service dry transformer test and inspection PM
- OPP domestic water pumps/strainer test and inspection 3-month PM
- OPP 65/10 ton bridge crane 3-month PM
- OPP trash rack crane test and inspection PM
- OPP compressed air systems LP test and inspection PM

- OPP cathodic protection system anode test and inspection PM
- OPP 5 ton stop log gantry crane test and inspection PM
- OPP ½ ton chain hoist crane test and inspection PM

Mechanical Maintenance Crews:

- OPP Unit 1 annual maintenance
- OPP Unit 5 exciter wheel disassembly and troubleshoot
- OPP Unit 4 cooling water pipe leak troubleshoot and repair

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:

- None to report

Delta-Mendota Canal

Electrical/C&I Maintenance Crews:

- Temporary install of WWW motor contactor to Check 3 Gate 3
- Check 7 Gate 3 position indication failure troubleshoot and repair
- Check 9 Gate 1 failure troubleshoot and repair
- Check 20 upstream elevation sensor troubleshoot and repair

Mechanical Maintenance Crews:

- DMC lining repair support at MP 41.49
- Fabricated a new style hitch for the Rhino mower
- Repaired the paint shaker

Civil Maintenance Crews:

- Chemical weed control MP 48.37- 64.30, 68.03 – 75.84, 79.80 – 96.61, Pond 10
- Mechanical weed control MP 95.45 – 110.12, 115.59
- Trash collection from MP 77.63 – 79.12
- Remove tullies and muck from SLD
- Grading roadways from MP 15.01- 24.48, NWW
- DMC liner repair and abutment stabilization at MP 41.49
- Installed shoulder drains at MP 26.93, 26.89, 27.21, 27.42
- Install sleeve on leaking pipe at MP 22.75
- Fabricate & install new gates & wing fences at Jerrold, Nees, and Washoe Aves.
- Installed new flap valve gates at TFCF
- Removing hyacinth from the siphon at Highway 33 in Firebaugh
- Fabricated handrails at MP 42.08-L and 42.50-R
- DMC traffic gate repair at MP Hilldale Ave

- TFO shop and yard cleanup
- Rodent abatement from MP 4.16– 58.23
- Vehicle disposal through Ritchie Bros
- Numerous vehicle oil changes and minor repairs

Tracy Field Office

Electrical/C&I Maintenance Crews:

- Control Building HVAC test and inspection 6-month PM
- JPP Domestic Water Treatment Plant Replacement Project (WTPP)
- Tracy meter shop lighting inspection 3-month PM
- FHECP recertification training
- TFO E-SHOP 2 ton monorail hoist 4-month PM
- TFO E-SHOP ½ ton chain hoist 4-month PM
- JPP Industrial Water C&I 4-month PM
- Tracy CMT/VMT lighting 3-month PM
- Tracy site gate (USBR Entrance) 3-month PM
- Pressure washer failure troubleshoot and repair
- TFO Water Treatment Plant C&I PM
- Replace lighting fixture in the CMT/VMT building
- Tracy Warehouse loading dock gate test and inspection 4-month PM
- Tracy Warehouse lighting test and inspection 3-month PM
- TFO Water Treatment Plant lighting test and inspection 3-month PM
- TFO Control Building emergency lighting system test and inspection PM
- TFO Control Building drain pump test and inspection 12-month PM
- TFO Admin Building lighting 3-month PM
- TFO E-SHOP lighting 3-month PM
- Update relay settings on Basler relay

Mechanical Maintenance Crews:

- TFO Warehouse loading dock gate 3-month PM
- TFO USBR entry gate 3-month PM
- TFO USBR exit gate 3-month PM
- TFO SLDMWA entry gate 3-month PM
- Car wash hose reel leak troubleshoot and repair
- Car wash water recycling unit PM

Civil Maintenance Crews:

- Forklift training and recertification

Other Activities

- None to report

USBR Support Services

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

- TFCF Flap Valve Gate installation

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 CO₂ system
- JPP pump pit float switch replacement
- JPP spare slip ring replacement
- JPP excitation timer replacement
- USBR RO&M report reviews
- Fire Protection report reviews
- JPP Unit 4 lower guide bearing machining
- OPP Unit-1 shaft sleeve recoating
- OPP Unit 1 annual maintenance

Land Management Activity Summary

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

- Emergency Access Permit P2502009 was issued to Del Puerto Water District to repair the pump and motor servicing the turnout at Milepost 58.73-R on the Delta-Mendota Canal
- Emergency Access Permit P2541008 was issued to Water Reclamation allowing them to repair the underground pipeline located near Milepost 115.19-L on the San Luis Drain

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
- 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 May 2024 to all SLDMWA staff:
 - 5-1-2024 Preventing Heat Illness
 - 5-2-2024 Personal Protective Equipment
 - 5-3-2024 Office Injury Prevention
 - 5-4-2024 Power Tool Safety
- Provided Safety Message for May 2024 Newsletter
 - Summer Safety

- Scheduled annual hearing tests for selected employees
- Provided FHECP training to contractors
- Conducted FHECP recertification training to SLDMWA staff
- Provided Confined Space Rescue Standby for TFO crew at Fish Facility
- Conducted New Hire Safety Orientation for TFO Maintenance Worker
- Coordinated Defensive Driving training with JPIA Risk Manager
- Coordinated dielectric glove testing
- Coordinated with HR on Workplace Violence Prevention Program
- Presented Safety Topic – Personal Protective Equipment at Quarterly Safety Meeting

PROCUREMENT AND WORK & ASSET MANAGEMENT DEPARTMENT

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

- WAM Manager & Contract Specialist attended a meeting with McCrometer (Flowmeter vendor) to address ongoing issues & establish working relationship
- WAM Manager attended Defensive Driving safety course
- WAM staff attended Quarterly Safety Meeting
- WAM Manager & Contract Specialist attended various contract strategic planning meetings
- WAM manager prepared quarterly PRA request and sent to legal
- Contracts/PO Agreements/LOA's Status Update:

Specification	Title	Status
F23-OPP-015	OPP Transformer Rehab Project	Work delayed for future outage
F22-JPP-071	Switchgear Repairs	Pending project completion
F25-ALL-002	Biological Surveying	Contract & Task Order 1 executed
F22-DMC-065	Feasibility Study	Work ongoing
F25-DMC-005	DMC Subsidence Utility Locating and Mapping Services	Ongoing solicitation (5/23)
F22-DMC-047	Subsidence GEX	2nd amendment executed on 5/13/24
F24-OPP-019	Transformer Rehab Project Management	Work ongoing
F25-TFO-004	TFO Parking Lot Seal Coat & Striping	Ongoing solicitation (5/07)
F24-JPP-018	JPP Units 1-6 Rewind Warranty Inspection Support - Task 1	Work ongoing
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	Letter of Interest posted
F24-ALL-032	Task 1 - Mechanical Maintenance and Tech Support	No pending task orders

F25-LBAO-003	Compensation Study	Work ongoing, contract executed 5/17/24
F25-TFO-001	Landscape Maintenance Services	Work ongoing
F24-OPP-031	Pump Bowl Manufacturing	Legal review / negotiations
F25-JPP-011	Rehabilitate Coating on Pump Casings & Bifurcation	Pre-solicitation
F24-ALL-022	Municipal Advisor Services	Work ongoing
F24-LBAO-029	Auditing Services	Work ongoing
F25-DMC-008	DMC MP 41.49 Liner Repair	Work completed, pending invoices
F24-DMC-014	Flowmeter Replacement Phase 3	Production ongoing
F23-ALL-016	NetSuite Support Services	Work ongoing
F25-OPP-009	OPP Water Cooling Kinney Strainers	Work ongoing, contract executed 5/14/24
F25-JPP-006	Motor Operated Valves	Work ongoing
F25-TFO-010	Tracy Admin Office Roof Resealing	Ongoing solicitation (5/28/24)
F25-OPP-011	OPP Cooling Water Pumps	Pending RFQ (5/29/24)

Ongoing:

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

INFORMATION & OPERATIONAL 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 EO&M budget preliminary work
- Create EO&M Projects in NetSuite
- Assist Friant with ERP replacement/upgrade information

General Network & Desktop Support:

- Desktop support calls
- Firewall firmware updates

- Exchange server maintenance
 - update Windows server
 - exchange server CU23 upgrade
- Active directory cleanup
 - removed tombstone servers
 - DNS rework
- DNS network rework
 - DNS replication by physical location
 - TAO/TFO
 - LBAO/LBFO/OPP
 - SAC
- Assist DWR in isolating water testing workstation in JPP identified as being under suspicion of a Cyber attack
- Creating additional VLAN's for network segmentation
- Troubleshoot DHCP errors in LBAO
- Rerouted cables in accounts payables office

Ongoing:

- NetSuite
 - User and Administration
 - Bi-Weekly Implementation Team meetings
 - Monitor Citrin Cooper support activities for NetSuite
 - Continued research on budgeting software solution
- 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 logs and alerts
 - 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
 - Modify and refine settings

- Review Infragard dispatches – FBI Cyber Security group
- Monitoring Darktrace Cyber Security appliance in IT network
 - Additional advanced configurations IT/OT
- Add Cloud immutable backups
- Add “Cold” air gapped local backups
- Continue to troubleshoot email auto-discover issues
- Deployment of Office 2021
- Logistical and technical support provided to Trofholz, 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 JPP contract
 - NDA to Verizon to research Fiber from DWR Check 12 to OPP
- 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

The SCADA staff worked on the following items this month:

Administrative Activities:

- PIV Card security process; forms and fingerprints
- InfraGard application process
- Sexual Harassment training completed
- IT Phishing training completed
- FHECP training completed

General SCADA Network Support:

- Updating screen views at the request of Control Operations
- Writing scope for Aveva to ignition conversion
- Moved Windows OS ignition project to the running Linux OS ignition project
- Developed a Linux OS ignition SCADA system to test ways to cut Windows licensing prices
- Continue research on solution for virtualization of servers Proxmox, Virtual Box, and Hyper-V
- Continued testing VMWare virtual player
- Installed added stand-alone camera system for the Tracy Warehouse
- Troubleshoot and replace HMI at trash rake control center
- Add new Operator to SCADA stations
- SCADA screen modifications per Operation Supervisor
- OPP historical logging enabled

- Designed and deployed an Andon board to give Water Ops visibility to DCI, JPP, O'Neill, all checks, and other misc. items requested

Ongoing:

- 26-K5 Design of new OT Network
 - Continued review and research for overall SCADA upgrade and replacement
 - Discovered past communication system used to connect O'Neill to Byron as a past source of communication
 - researching path and availability
- AT&T FirstNet to start APN testing with DIGI devices
 - Received new SIMS w/ fixed IP addresses
 - 3rd party vendor provided high gain antenna for no charge testing
- Discussions with DWR to use Fiber per 1992 contract from JPP to DWR Chk 12
 - Discussions with Verizon Fiber Division to visit possibility of renting/leasing Fiber from DWR Check12 to O'Neill
- Working on a new Wi-Fi system design for all buildings
 - To support both IT and OT networks
 - Building designs sent out to vendor with recommendations
- Server Room
 - Decommissioned and removed EOL Pelco server
 - Clean up of server rack to prepare for future redundant PLC's
- OPP
 - SCADA/user station upgrade
 - New rack mount PC build
 - Holding pattern until Operators and Water Ops can free OPP and DMC to swap
 - Installed new Windows 10, Aveva Software, TopServer, and licensing
- DMC
 - PLC replacement plan for check structures
 - Review needs for PLC and controls at check structures
 - Developed parts list for check 21
 - Quote request has been sent out
 - Looking for new option for Volta Radio
 - Received a level sensor to test at Volta
- JPP
 - Water treatment plant SCADA integration
 - Work on establishing communication with Depolox system
 - 26-M7; Siphon House communications
 - Developed list of parts for siphon house communication upgrades
 - Quote parts for siphon house communication upgrades
 - Test 900mhz Ethernet radio communications for potential use
 - Electrical panel and PLC parts ordered
 - 26-M8; trash rake
 - Developed list of parts for quote
 - Quote received and PLC parts ordered

- DCI
 - Air Handler system evaluation
 - Research and create list of PLC parts to replace existing system
 - Future PLC's for entire DCI upgrade compatible

HUMAN RESOURCE DEPARTMENT

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

General Administrative Activities:

- Active Recruitments
 - 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

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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. Reclamation is working towards securing consultation approvals to obtain a FONSI and ROD, both necessary to finalize Reclamation Policy sign off. Policy has reviewed the study and finds that it appropriately addresses the need for Upper DMC restoration; however, further review of the Lower DMC repair is required. Reclamation is addressing additional comments as it relates to the Lower DMC and will continue to coordinate with Policy as they work through the review. CDM will provide the draft Incidental Take Permit (ITP) to begin consultation with State agencies in the next reporting period. Agency reviews may take upwards of 18 months for final approval.

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 31st. 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. This task is ongoing.

Design Data Support: Numerous design data collection efforts have been completed and continue to be coordinated. USBR completed Geophysical surveys on select reaches of DMC to understand the root cause of embankment

EXTRAORDINARY O&M & CAPITAL PROJECTS

movement with their findings to be incorporated into the design. This effort was completed in May. The remaining USBR data support tasks consist of survey data collection as needed by the Design team. At the request of Reclamation, SLDMWA will support the design by soliciting for a subsurface utility engineering consultant. This consultant will manage the coordination of various location services along the DMC in both member agency areas and public ROW. Their deliverable will be updated utility mapping at various quality levels to be incorporated into the design documents.

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.
- 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. Next steps are to finalize the subsidence metrics for use in the design. Coordination meetings are ongoing.

DWR Grant: Staff continues to work closely with DWR on grant management activities. This quarter staff provided the latest progress report and invoice for repayment.

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 and completed repairs to the liner on May 10. Civil Maintenance completed the final site work restoration the following week.

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: 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 6th, 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.

O'NEILL PUMPING/GENERATING PLANT (OPP)

Main Transformers Rehabilitation/Replacement

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

The majority of rehabilitation work to the spare transformer has been completed. Two weeks of final work is needed before the spare can be acceptance tested. CEI has temporarily demobilized and is focusing on the required submittals necessary to complete the spare. Efforts were made to complete the rehabilitation in July and August, however an August outage would have severe water supply impacts. In addition, the contractor has been delayed in providing

EXTRAORDINARY O&M & CAPITAL PROJECTS

the necessary submittals to continue onsite work. Alternative schedules to complete the rehabilitation are now being discussed.

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 has received approval for approximately \$11.6 million in BIL funding for this project. Next month Pentair will be providing a presentation of their abilities to Water Authority and Reclamation staff, and staff anticipates executing the agreement in July after Board approval.

OPP UPS Battery Charging System Replacement (FY22)

Status: All materials have been purchased and are on hand, awaiting to be executed during an approved 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. With the recent cancellation of the Transformer outage, this work may be completed during a separate outage.

OPP Station Service Backup Battery System Replacement (FY23)

Status: All materials have been purchased and are on hand, awaiting to be executed during an approved 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. With the recent cancellation of the Transformer outage, this work may be completed during a separate outage.

OPP Cooling Water System Rehabilitation Design (FY24)

Status: All materials have been purchased and are on hand, awaiting to be executed during an approved outage. Work will be executed by SLDMWA staff. With the recent cancellation of the Transformer outage, this work may be completed during a separate outage.

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

EXTRAORDINARY O&M & CAPITAL PROJECTS

that will support the installation of the V-1000 unit. Staff has drafted the pilot plan, and shared with Reclamation. Staff plans to install the pilot plant when scheduling permits. The pilot plant is tentatively scheduled to be installed in June, 2024.

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. This project will be finished in June, 2024.

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.

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. Invitation For Informal Bids were issued on May 7, 2024 and a site walk was performed on the week of May 20, 2024. Questions from vendors regarding the project were due on May 24, 2024, with the answers due on May 29, 2024. Informal bids are due back on June 11, 2024.



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

NOTE: ALL FIGURES ARE IN ACRE FEET

	April-2024	April-2023
JONES PUMPING PLANT - PUMPED	64,766	128,763
DCI PLANT - PUMPED	0	91
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	28,733	118,021
O'NEILL P/G PLANT - GENERATED	12,151	0
DMC DELIVERIES	12,558	13,252
RIVER/WELL/RECYCLE WATER INTO DMC	7,907	3,104
MENDOTA POOL DELIVERIES	57,942	59,544
SHASTA RESERVOIR STORAGE	4,364,100	4,430,100
SAN LUIS RESERVOIR STORAGE	1,429,794	2,013,748
* FEDERAL SHARE	890,627	957,468

	April-2024	April-2023
SAN LUIS UNIT DELIVERIES	7,301	7,173
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	1,008	3,930

Jones Pumping Plant monthly average = 1,089 cfs



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

Date: 5/10/24

<u>District/Other</u>	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
Total Pumped @ Jones Pumping Plant	64,766			
Total Pumped @ DCI	0			
Total Reversed @ DCI	0			
City of Tracy		0	85	85
Byron Bethany I.D.		268	1	269
Banta Carbona I.D.		0	0	0
West Stanislaus I.D.		121	0	121
Patterson I.D.		0	0	0
Del Puerto W.D.		4,049	5	4,054
Central California I.D. - above check #13		633	0	633
Santa Nella County W.D.		0	26	26
Volta Wildlife Mgmt. Area (Fish & Game)		10	0	10
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		18	0	18
Total Pumped @ O'Neill PP	(28,733)			
Total Generated @ O'Neill PP	12,151			
Central California I.D. - below check #13		728	0	728
Grasslands W.D. (76.05-L)		2,972	0	2,972
Fish & Game Los Banos Refuge (76.05-L)		264	0	264
Fish & Wildlife Kesterson (76.05-L)		0	0	0
Freitas Unit (76.05-L)		389	0	389
Salt Slough Unit (76.05-L)		1,425	0	1,425
China Island (76.05-L)		0	0	0
San Luis W.D.		507	0	507
Panoche W.D.		866	2	868
Eagle Field W.D.		123	0	123
Oro Loma W.D.		17	0	17
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		49	0	49
River and Groundwater well pump-in	5,772			
North Valley Regional Recycled Water Program	2,135			
Change in Canal Storage	208			
Wasteway Flushing and Spill	0			
Total Available in Delta-Mendota Canal	56,299			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(12,558)	12,439	119	12,558
Theoretical DMC Delivery to Mendota Pool	43,741			
Total DMC Calculated Delivery to MP	42,794			
Estimated (Loss) or Gain in DMC	(947)			
Estimated % Loss or Gain in DMC	-1.11%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
April 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	42,794			
Mendota Pool Groundwater Well Pump-In	1,782			
(+)SJRRP Releases into Mendota Pool	16,795			
(+)Available Flood Releases from Friant into Mendota Pool	0			
(+)Other San Joaquin River Water	0			
(+)Kings River Flood Releases into Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		23,016	0	23,016
Columbia Canal Company (CCC)		3,145	0	3,145
Firebaugh Canal Water District (FCWD)		2,264	0	2,264
San Luis Canal Company (SLCC)		7,209	0	7,209
<u>Refuge:</u>				
Conveyance Losses		0	0	0
Calif Dept of F/G-LB Unit (CCID)		5	0	5
Calif Dept of F/G-LB Unit (SLCC)		409	0	409
Calif Dept of F/G-Salt Slough Unit (CCID)		25	0	25
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)		7	0	7
US Fish & Wildlife-Kesterson (CCID)		0	0	0
Grasslands WD (CCID)		0	0	0
Grasslands WD (SLCC)		147	0	147
Grasslands (Private)		52	0	52
San Luis WD Conveyance (CCID)		45	0	45
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration Project:</u>				
SJRRP		16,691	0	16,691
<i>Other: (see MP Operations Report)</i>		4,927	0	4,927
<i>Total Available Water in Mendota Pool</i>	61,371			
TOTAL DELIVERY FROM MENDOTA POOL	(57,942)	57,942	0	57,942
*Estimated (Loss) or Gain in Mendota Pool	(3,429)			
*Estimated % Loss or Gain in Mendota Pool	-5.59%			
Total System Delivery	(70,500)			
*Total Estimated System (Loss) or Gain	(4,376)			
*Total Estimated % System Loss or Gain	-4.22%			

Special Notes:



Jones Pumping Plant
April - 2024

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	1	CONTINUOUSLY	916
2	1	CONTINUOUSLY	913
3	1	CONTINUOUSLY	912
4	1	CONTINUOUSLY	916
5	1	CONTINUOUSLY	915
6	1	CONTINUOUSLY	954
7	1	CONTINUOUSLY	967
8	1	CONTINUOUSLY	968
9	1	CONTINUOUSLY	969
10	1	CONTINUOUSLY	971
11	1	CONTINUOUSLY	973
12	1	CONTINUOUSLY	978
13	1	CONTINUOUSLY	977
14	1	CONTINUOUSLY	972
15	1	CONTINUOUSLY	971
16	1-0-2	08:00-16:00	922
17	1-0-2	08:00-16:00	909
18	1	CONTINUOUSLY	908
19	1	CONTINUOUSLY	916
20	1	CONTINUOUSLY	915
21	1	CONTINUOUSLY	914
22	1	CONTINUOUSLY	915
23	1	CONTINUOUSLY	919
24	1	CONTINUOUSLY	955
25	1	CONTINUOUSLY	977
26	2	CONTINUOUSLY	1824
27	2	CONTINUOUSLY	1824
28	2	CONTINUOUSLY	1821
29	2	CONTINUOUSLY	1825
30	2	CONTINUOUSLY	1840
31			
AVG CFS for the month			1089



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

Date: 5/7/24

CREDITS UNDER WARREN ACT CONTRACTS									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
3.32-R1	0	0	1	0	BBID	0	0	0	0
3.32-R2	0	0	1	0	BBID	0	0	0	0
3.32-R3	12,924	13,416	1	0	BBID	492	(25)	467	467
13.31-L	4,804	4,804	1	0	BBID	0	0	0	0
15.11-R	2,974	2,978	1	0	BBID	4	0	4	4
20.42-L	47,823,459	48,821,137	1	0	BCID	0	0	0	0
20.42-L	47,823,459	48,821,137	1	0	USBR/FWA	3,062	0	3,062	6,317
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	2,151	1.03	0	DPWD	1	0	1	1
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	754	0.94	0	DPWD	1	0	1	1
36.80-L	1,850	1,850	1	0	DPWD	0	0	0	0
37.10-L	3,870	3,870	0.94	0	DPWD	0	0	0	0
37.32-L	2,653	2,653	0.91	0	DPWD	0	0	0	0
42.50-R	1,034	1,034	0.96	0	DPWD	0	0	0	0
42.53-L	7,467,236	7,560,051	1	0	PID	0	0	0	0
42.53-L	7,467,236	7,560,051	1	0	DPWD	0	0	0	0
42.53-L	7,467,236	7,560,051	1	0	USBR/FWA	2,131	0	2,131	3,820
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	028	112	1	0	SLWD	84	(4)	80	80
50.46-L	6,025	6,025	1.07	0	DPWD	0	0	0	0
51.00-R	297	297	0.89	0	DPWD	0	0	0	0
51.66-L	3,435	3,435	0.98	0	DPWD	0	0	0	0
52.40-L	1,496	1,496	1	0	DPWD	0	0	0	0
58.28-L	3,371	3,371	1.02	0	SLWD	0	0	0	0
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	494	494	1	0	DPWD	0	0	0	0
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
UPPER DMC SUB TOTAL								5,746	10,690



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

April 2024 WA Credits

CREDITS UNDER WARREN ACT CONTRACTS									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
78.31-L	4,469	4,469	1.08	0	SLWD	0	0	0	0
79.12-R	5,812	5,812	0.91	0	SLWD	0	0	0	0
79.13-L	1,164	1,191	1	0	SLWD	27	(1)	26	26
79.13-R	4,964	4,964	1.08	0	SLWD	0	0	0	0
79.60-L	5,979	5,979	0.84	0	SLWD	0	0	0	0
80.03-L	834	834	0.94	0	SLWD	0	0	0	0
80.03-R	717	717	1.05	0	SLWD	0	0	0	0
98.60-R	14,194	14,194	1	0	PANOCH/MS	0	0	0	0
98.74-L	5,695	5,695	1.14	0	PANOCH/MS	0	0	0	0
99.24-L	10,493	10,493	0.92	0	PANOCH/MS	0	0	0	0
100.70-L	6,211	6,211	1	0	PANOCH/MS	0	0	0	0
102.04-R	4,088	4,088	1	0	WIDREN WD	0	0	0	0
LOWER DMC SUB TOTAL								26	26
WARREN ACT CONTRACT CREDIT TOTAL								5,772	10,716
TOTAL GROSS PUMP-IN								CREDIT	
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)						4		4	4
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)						0		0	0
TOTAL (DEL PUERTO WATER DISTRICT)						2		2	2
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)						0		0	0
TOTAL (PATTERSON IRRIGATION DISTRICT)						0		0	0
TOTAL (SAN LUIS WATER DISTRICT)						111		106	106
TOTAL (PANOCH/MS WATER DISTRICT)						0		0	0
TOTAL (MERCY SPRINGS WATER DISTRICT)						0		0	0
TOTAL (WIDREN WATER DISTRICT)						0		0	0
Other Warren Act Conveyance Credit Totals									
Del Puerto Water District:						0		0	0
Banta Carbona Irrigation District:						0		0	0
West Stanislaus Irrigation District:						0		0	0
Byron Bethany Irrigation District:						492		467	467
Patterson Irrigation District:						0		0	0
San Joaquin River Restoration Pump Back BCID:						3,062		3,062	6,317
San Joaquin River Restoration Pump Back PID:						2,131		2,131	3,820

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



**MENDOTA POOL WELL PUMP IN
2024**

(ALL FIGURES IN ACRE-FEET)

Prepared by: Seth Harris, Water Operations Superintendent,

Date: 5/7/24

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
COELHO FAMILY TRUST ¹	0	0	161	478									639
M.L. DUDLEY & INDART ²	0	0	97	68									165
FORDEL	0	378	688	550									1,616
COELHO WEST	0	0	0	0									0
CASACA VINYARDS	0	0	0	47									47
DPF	0	0	0	17									17
SOLO MIO	0	0	0	14									14
BAKER FARMS	0	0	0	0									0
FARMERS W.D.	0	0	0	497									497
MEYERS	0	0	0	0									0
MEYERS BANKED	0	0	0	0									0
SILVER CREEK	0	0	0	29									29
TRANQUILITY I.D.	0	0	0	0									0
FCWD	0	0	0	82									82
YRIBARREN FARMS	0	0	0	0									0
CARVALHO TRUST	0	0	0	0									0
ETCHEGOINBERRY	0	0	0	0									0
FRESNO SLOUGH W.D.	0	0	0	0									0
LSK-1	0	0	0	0									0
TOTAL	0	378	946	1,782	0	0	0	0	0	0	0	0	3,106

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

¹ aka TERRA LINDA FARMS

² aka COELHO-GARDNER-HANSEN

Spill Back Credit

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

James ID (per JID)

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

APRIL 2024

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 1008			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	1008
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	0
R3 213	13		DFG @ O'Neill Forebay	0
	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	20
	13		San Luis Water District	192
R4 12692	14		City of Dos Palos	89
	14		Pacheco Water District	637
	14		San Luis Water District	2702
	14		Panoche Water District	44
	15		San Luis Water District	1177
	15		Panoche Water District	2512
	15		Westlands Water District	5531
R5 23496	16		DFG @ Lat. 4L (Pilibos)	26
	16		DFG @ Lat. 4L	0
	16		DFG @ Lat. 6L	0
	16		DFG @ Lat. 7L	0
	16		Westlands Water District	5896
	17		Westlands Water District	5886
	18		City of Coalinga	932
	18		Pleasant Valley Pumping Plant	4803
	18		Westlands Water District	5953
R6 10376	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	1
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 28L,29L,&30L	144
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	10231
R7 7425	20		City of Huron @ Lat. 23R	55
	20		DWR Water Truck @ 23R	0
	20		Westlands Water District	4829
	21		City of Avenal	171
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	2370
55210	0		<---TOTALS--->	55210
TOTALS BY CUSTOMERS				
Inflow Into Aqueduct:				
0 AF TOTAL for PUMP-IN				
0 AF TOTAL for FLOOD				
			Santa Nella County Water District	20
			Pacheco Water District	637
			San Luis Water District	4071
			Panoche Water District	2556
			Westlands Water District	45499
			AltaGas	0
			City of Huron @ LAT. 23R	55
			City of Huron (P&R/Area 11 @ 22R)	1
			Lemoore N.A.S. thru WWD @ 28L,29L&30L	144
			Kings County thru WWD Laterals in Reach 6	0
			City of Avenal	171
			City of Dos Palos	89
			City of Coalinga	932
			DFG @ O'Neill Forebay	0
			Pacheco Tunnel	1008
			DFG @ Lateral 4L & 6L & 7L	26
			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
Pool 12 - Reach 2B			Customers Total:	55210
VA Turnout Use AF = 16				
DWR 3137(Rev.9/15)				55226



Monthly Availability Report

CW "Bill" Jones Pumping Plant

April - 2024

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	720	0.0	0.00%	133.0	18.47%	81.53%	0	On Clearance 4/11/24@ 14:51; released 4/16/24 @ 12:50
Unit-2	720	0.0	0.00%	0.0	0.00%	100.00%	4	
Unit-3	720	0.0	0.00%	188.9	26.24%	73.76%	1	Forced Out Field loss 4/16/24 @13:08, Made available 4/24/24 10:08
Unit-4	720	720.0	100.00%	0.0	0.00%	0.00%	0	On Annual Main Clearance
Unit-5	720	0.0	0.00%	51.2	7.11%	92.89%	3	
Unit-6	720	709.5	98.54%	0.0	0.00%	1.46%	1	Available 4/30/2024 @13:30 Warranty inspection complete
Total	4320	1429.5	33%	373.1	8.64%	58.36%	9	

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
April - 2024

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	720	208.3	28.93%	0.0	0.00%	71.07%	1	0	Ann Maint clearance 4/22/24 @07:49
Unit-2	720	0.0	0.00%	0.0	0.00%	100.00%	3	0	
Unit-3	720	0.0	0.00%	0.0	0.00%	100.00%	0	3	
Unit-4	720	0.0	0.00%	28.4	3.94%	96.06%	2	1	
Unit-5	720	0.0	0.00%	0.0	0.00%	100.00%	1	2	
Unit-6	720	350.8	48.72%	0.0	0.00%	51.28%	2	0	On clearance, released 4/15/2024 @12:15
Total	4320	559.1	13%	28.4	0.66%	86.34%	9	6	

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

April - 2024

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-2	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-3	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-4	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-5	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-6	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Total	4320	0.0	0%	0.0	0.00%	100.00%	0	

Notes:

(1) Planned maintenance

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