



April 04, 2024

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for March 2024

OPERATIONS DEPARTMENT

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 2 to 5 units for the first 26 days of March. The average rate of pumping for the JPP was 2,837 cfs for the same period.

Total pumping at the JPP for the first 26 days of March was 146,322 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 0 acre-feet, and pumped 98,303 acre-feet during the same period. 9,440 acre-feet were pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and 0 acre-feet was reversed from the DCI into the DMC for the first 26 days of March.

The Federal share in the San Luis Reservoir as of March 26th was 964,235 acre-feet as compared to 928,424 acre-feet for the end of March 2023.

During the first 26 days of March, releases from Friant Dam ranged from 396 to 546 cfs with 14,519 acre-feet entering the Mendota Pool. Flows for the San Joaquin River Restoration Program (SJRRP) were 14,281 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	68.83	115.90
20.43 L	22.20 L	29.19 L
50.70 R	54.01 L	57.46 L
60.65 L	61.37 R	62.08 R
64.32 L	64.32 R	65.37 R
66.06 L	66.68 L	66.73 L
68.03 L	80.99 L	84.39 L
100.80 R	Volta F&G New Pump	

- Serviced flow meters at DMC MP's

20.59 L	21.25 L	23.41 L	23.81 L
24.38 L	25.02 L	25.18 L	25.65 L
27.80 R	28.19 L	28.89 L	29.19 R
33.07 R	34.63 R	35.04 R	35.73 R
39.20 R	39.22 L	39.78 L	41.53 R
42.10 R	42.50 R	42.68 L	43.22 L
43.73 L	44.22 LA	44.22 LB	44.24 R
45.78 R	45.79 R	69.21 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
 - CASGEM 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-23-JP-63D JPP Unit 6 warranty inspection
- C-23-JP-63E JPP Unit 6 warranty inspection
- C-24-JP-01 JPP Unit 6 suction elbow
- C-24-DM-11 DMC Check 5 anode replacement
- C-24-JP-12 JPP Unit 5 oil leak repair and brush inspection
- C-24-JP-12A JPP Unit 5 wheel pit alarm
- C-24-JP-13 JPP Unit 4 annual maintenance
- C-24-ON-14 OPP Unit 6 annual maintenance

Jones Pumping Plant

Electrical/C&I Maintenance Crews:

- Reassembly of JPP Unit 6 after warranty inspection and repairs
- REXEL Rockwell PLC Training in Modesto
- JPP plant systems C&I PM
- Replace thermostats in building UZB 15
- Replace thermostats in building UZB 6A

- Station service battery bank test and inspection PM
- JPP flooding alarm test and inspection 3-month PM
- JPP ¼ ton monorail hoist test and inspection 3-month PM
- UZ11A breaker protective relay 11JPUZ3A update per USBR
- UZ11A breaker protective relay 11JPF2 update per USBR
- Test and calibrate transducers in the Unit Control Cabinets
- Investigated sparking coming for JPP Unit 5 exciter, minor cleanup performed

Mechanical Maintenance Crews:

- Perform 5 year inspection on unit stator and rotor following rewind work (Unit 4)
- JPP monthly shop organization and clean up
- Inspection, removal, and replacement of JPP stop log wire rope slings
- Replaced check valves on sump pump and unwatering pumps
- Investigate, repair and test oil leak from high pressure lube plumbing on Unit 5
- Removed vacant bird nests and pressure washed JPP exterior
- Remove and inspect access hatches and drain troughs
- Pressure wash and painted Butterfly Gallery access hatches

Civil Maintenance Crews:

- None to Report

O'Neill Pumping/Generating Plant

Electrical/C&I Maintenance Crews:

- OPP Unit 6 annual maintenance
- OPP transformer rehabilitation prep work and equipment staging
- OPP general lighting repair and maintenance
- OPP sump pump test and inspection 3-month PM
- OPP station service station battery charges inspection 3-month PM
- OPP station service battery test and inspection PM
- OPP station service dry transformer test and inspection PM
- OPP cathodic protection system anode test and inspection PM
- OPP 1 ton chain hoist test and inspection PM
- OPP ½ ton chain hoist crane test and inspection
- OPP 65/10 ton overhead crane test and inspection PM
- OPP 5 ton stop log gantry crane test and inspection PM
- OPP 1 ton chain hoist test and inspection PM
- OPP security gate test and inspection PM (North and South)
- OPP UPS battery internal resistance test and inspection
- OPP Annunciator Panel test and inspection PM
- OPP compressed air systems LP test and inspection PM
- OPP trash rack crane test and inspection
- OPP emergency lighting PM
- OPP Machine shop welding shop equipment test and inspection 3-month PM

Mechanical Maintenance Crews:

- Interior painting of the OPP facility
- OPP Machine Shop equipment test and inspection 3-month PM
- OPP Transformer Rehabilitation prep work and equipment staging

- OPP trash rack cleaning
- OPP 65/10 ton crane monthly test and inspection PM
- OPP 65 ton bridge crane monthly test and inspection PM
- OPP High pressure air compressor test and inspection PM
- OPP Siphon Building inspection
- OPP ½ ton chain hoist crane test and inspection PM
- OPP 1 ton chain hoist crane test and inspection PM
- OPP 3 ton jib crane test and inspection PM
- OPP 5 ton gantry crane test and inspection 3-month PM
- OPP 5 ton stop log gantry crane test and inspection PM
- OPP service air/siphon house low compressor test and inspection PM
- OPP sump pump inspection PM
- OPP shop cleanup and organization
- OPP Siphon house bridge crane test and inspection PM
- OPP weekly plant checks
- OPP Domestic water sand filter maintenance
- OPP sewage system test and inspection PM
- OPP Unit 6 cooling water and Kinney strainer rehab work

Civil Maintenance Crews:

- Hauled A/B for OPP transformer rehab work area

DMC/CA Intertie Pumping Plant

Electrical/C&I Maintenance Crews:

- Troubleshoot and repair of DMC Check 3 gate #3 not functioning (Electrical)

Mechanical Maintenance Crews:

- None to report

Civil Maintenance Crews:

- None to report

Delta-Mendota Canal

Electrical/C&I Maintenance Crews:

- Check 14, 15, 16, 17, 19, 20, 21 electrical system and equipment troubleshoot, service and repair
- Check 16 Gate 2 motor removal and replacement
- LBFO HVAC system test and inspection 3-month PM
- LBFO main gate controller test and inspection PM
- LBFO Domestic well pump and test inspection 3-month
- LBFO general lighting and electrical repairs

Mechanical Maintenance Crews:

- None to report

Civil Maintenance Crews:

- Chemical weed control MP 18 to 38, 61.37 to 110.99
- Mechanical weed control MP 1.00 to JPP, 13.25 to 20.43, 86.16 to 90.53, VWW

- Trash collection from MP 64.32 to 68.08, 78.02, SLD (Check 55)
- Erosion repairs at MP 4.41 to 13.25, 14.50 to 23.48
- Erosion repairs at Little Salado Creek, the intake channel, VWW and SLD
- Inspect shoulder drains from MP Kelso Rd. to Orestimba Rd.
- Pump out meter box at MP 50.70
- Install corp stop at MP 84.99
- Haul A/B to solar project site for USBR Ceremony
- DMC traffic gate repair at MP 68.59
- TFO shop and yard cleanup
- Painted bollards for monitoring wells
- DMC sign repair maintenance at MP 13.25, 43.24, 81.69
- Rodent abatement from MP 4.16 to 58.15, Check 11 to 68.03
- Fabricated handrails at MP 8.52, 16.19, 17.17, 26.21, 27.77, 32.94,
- Provide support for USBR Bathymetric survey
- Replaced anodes at Check 5
- Repaired a leak at MP 43.22
- Remove Hyacinth from Mendota Pool meters
- Replaced meter box grating and wood boards at MP 30.43 and 58.26
- Install new drain pipe at MP 53.64
- Fabricate steps for meter well at MP 84.39
- Numerous vehicle oil changes and minor repairs

Tracy Field Office

Electrical/C&I Maintenance Crews:

- UPS battery bank test and inspection PM
- Water Treatment Plant C&I inspection PM
- Control Building emergency lighting system test and inspection PM
- JPP Domestic Water Treatment Plant Replacement Project (WTPP)
- Control Building 1 ton hoist electrical test and inspection 3-month PM
- Build, install and outfit new E-SHOP vans for service
- Troubleshoot and repair heater in warehouse office area
- CMT/VMT monorail hoist test and inspection 3-month PM

Mechanical Maintenance Crews:

- JPP Domestic WTP rehab
- JPP Gland water cleaning and inspection 6-month PM

Civil Maintenance Crews:

- Installed TV mounting brackets in the Control Building
- Weed control on the compound
- Inspect and repair sprinklers, valves and timers on TFO grounds

Other Activities

- None to report

USBR Support Services

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

- Contract support for wood grinding in the Hyacinth Pit area
- Contract support for repairs to the tension arm at TFCFP
Prepared the invoice support for the period 1/1/2024 to 2/29/2024

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
- JPP Unit 6 Reassembly
- OPP siphon house compressor warranty repair

Land Management Activity Summary:

The Engineering staff issued one (1) Access Permit this month:

- Access Permit P2402048 was amended for Caltrans to reflect the new expiration date. This permit allows them to continue their underwater county bridge inspection at Milepost 0.33 on the Delta-Mendota Canal.

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

- Orestimba Creek Recharge Project
- PID new proposed turnout near MP43.25
- Santa Nella WD pipeline installation, construction observation
- Caltrans bridge inspection report management
- Costco HOM property development
- Drainage easement quitclaim request at MP39.20R
- Sperry Commercial II Project
- Rogers Road Bridge design
- Koster Road Bridge modifications
- Grasslands Water District Pipeline Project
- Costco Cold Distribution Center Development

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 to all SLDMWA staff:
 - 3-1-2024 Trenching and Excavation Safety
 - 3-2-2024 Stored Energy Hidden Hazard
 - 3-3-2024 Construction Fatal Four Hazards
 - 3-4-2024 Mobile Elevating Platforms
- Provided Safety Message for March 2024 Newsletter
 - Building Wellness Habits

- Scheduled annual hearing tests for selected employees
- Provided FHECP training to contractors
- Conducted FHECP Training for SLDMWA employees
- Coordinated Hazardous Waste pickup
- Submitted Hazardous Materials Business Plan annual updates
- Conducted Quarterly Facility Safety Inspections
- Conducted Semi-annual inspection of Fall Protection Harness & Lanyards
- Submitted Certified Safety Professional recertification application to the Board of Certified Safety Professionals – was approved for a five (5) year recertification

PROCUREMENT AND WORK & ASSET MANAGEMENT DEPARTMENT

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

- Closed additional outstanding PO's in preparation for new Fiscal Year
- Conducted annual inventory cycle counts end of February/early March
- Corrected discrepancies with inventory counts; started working on final inventory report due to accounting
- 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, developing SOW for contract
 - 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 – Solicitation stage, proposals due 4/9/24
 - F25-TFO-001 Landscape Maintenance – two bids received, award stage
 - F25-OPP-031 Pentair Pump Bowl Manufacturing – Sole source, pending internal review for terms and conditions. Est. board date for May 2024
 - F24-TFO-024 Tracy Warehouse Roof Reseal – Work completed, pending final invoice
 - F25-ALL-002 Biological Surveying Contract & Task Order - One executed 3/1/24
 - F23-TFF-017 Tension Arm Repair Work - Began 3/25/24

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 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
- PIV Card security process; forms and fingerprints
- Transitioned SCADA Department into IT Department

General Network & Desktop Support:

- Continued Research 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
- Symantec Endpoint Security Manager
 - Pushed new configuration files to Server platforms
- Built new Virtual Server to host new Symantec Message Gateway Server
 - Install of MGS and configuration under way for deployment

Ongoing:

- NetSuite
 - User and Administration
 - Bi-Weekly Implementation Team meetings
 - Monitor Citrin Cooper support activities for NetSuite
- Shepherd
 - Weekly progress meetings
 - Met with Shepherd during on-site visit, worked thru a number of problem areas and continue to monitor end user progress
 - Testing tablets in field
 - Modified all 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
 - 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
- 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
- Logistical and technical support provided to Trofholz, new site security installation vendor hired by USBR
- Review quotes for surface and laptop refresh cycle
 - New quotes as original equipment no longer available

SCADA Office

The SCADA staff worked on the following items this month:

Administrative Activities:

- PIV Card security process; forms and fingerprints

EO&M SCADA 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 check at structure
- JPP water treatment plant SCADA integration
- DCI
 - Air Handler System Evaluation
- Continued review and research for overall SCADA Upgrade and Replacement

Ongoing RO&M Activities:

- Server refresh prep
- Cybersecurity
 - Security updates on Servers
 - (MFA) Multi Factor Authentication
 - Assist IT with MFA Server
 - Cyber Security training and webinars
 - Cyber Readiness Institution Certification Course
 - Cyber Security Team
 - Cyber Security Incidence Response Plan
 - Disaster Recovery Plan
 - Business Continuity Plan
 - Review Infragard dispatches – FBI Cyber Security group
 - Monitoring Darktrace Cyber Security appliance in IT network
 - Advanced configurations OT
- DWR regarding use of Fiber from a 1992 contract agreement
- Logistical and technical support provided to Trofholz, new site security installation vendor hired by USBR

HUMAN RESOURCE DEPARTMENT

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

General Administrative Activities:

- Active Recruitments
 - Accountant III
 - Civil Maintenance Worker (Tracy)
- Closed Recruitments
 - Information Systems Technician
- Candidates Selected
 - Maintenance Worker (Los Banos)
- Skills Testing
 - None to report
- New Hire Orientations
 - None to report
- RFP for total compensation survey

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 working closely with Reclamation on the DMC Subsidence Correction Project (Project) and is managing the \$2.4M CDM Smith Feasibility Study contract and the \$2.7M Terracon Geotechnical contract.

Feasibility Study: The Feasibility Study is in the final stages, awaiting review comments from Reclamation Policy. USBR has indicated that Policy is nearing its review and should have comments or a final finding in the next board update. Staff has reviewed the Wetland Delineation with the project team and determined that minor mitigation would be warranted as a precautionary measure as no impacts are anticipated. CDM contract was amended to include a study of available funding sources to assist in the cost and to extend the contract term by one year.

Geotechnical Exploration: Terracon has submitted the Draft Geotechnical Data Report (GDR) to the project team for review. The team met to discuss the data presented in the GDR. TSC included 2 Geotechnical lab experts who have provide meaningful comments on the data for Terracon to review. It is anticipated that a meeting discussing the comments will occur in the next reporting period followed with a finalization of the GDR in the summer.

Bridge Planning: In anticipation of multiple bridge raises, staff will begin reviewing Caltrans requirements and 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 coordinated and continue to be discussed. USBR is currently performing bathymetric surveys from MP 3.55 to MP 90 and are expected to be done by early May. USBR Geophysicist will perform Geophysical surveys on select reaches of DMC to understand the root cause of embankment movement. Their

EXTRAORDINARY O&M & CAPITAL PROJECTS

findings will be incorporated into the design. This effort is scheduled to begin in mid-April. Coordination of that effort is ongoing.

Design: Staff & USBR finalized a funding agreement and project management plan for the final design of the Upper DMC rehabilitation. WA staff has met with TSC to discuss conceptual design ideas on the drainage inlets. TSC will continue the concepts and present additional data in future meeting. WA staff submitted CAD files of known utility crossing to be included in the design. TSC has requested that WA further explore the utilities by gathering depths and routing of utilities. Staff has developed a scope of work to gather the requested data and anticipate soliciting the RFP in early April.

DWR Grant: Staff continues to work closely with DWR on grant management activities. The \$3.3M invoice was approved last month and received reimbursement this month. Staff provided an updated workplan to DWR, along with a letter request, and the \$19.3M amendment to the agreement was executed.

DMC Turnout Flowmeter Upgrade Program – Phase 3 (FY23)

Status: The contract was executed in November 2023 for the purchase of 50 flowmeters from McCrometer. The delivery of the flowmeters will be carried out in batches as they become ready. After a delay related to the mounting bracket supplier, the first batch of meters is anticipated to arrive early April. All meters are expected to be received before September.

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

Status: Completed

DMC D/S Check 18 Concrete Lining Repair, MP96.82 (ERF)

Status: Completed

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. Site work will be scheduled when flows decrease in the Upper DMC. Staff is working to enter into an agreement with DRS Marine to perform an inspection of the site, and removal of the sediment then will schedule the underwater repairs.

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 scheduled for completion in April 2024. Once received, SLDMWA staff will begin putting together the solicitation package. SLDMWA received notice that the application for \$25M of BIL (Aging Infrastructure) funding was approved and has reached agreeable terms after several public negotiation sessions with Reclamation. Staff is bringing

EXTRAORDINARY O&M & CAPITAL PROJECTS

repayment agreement to the board this month. The signing of the final agreement should occur soon after.

JPP Wear Ring Purchase (FY22)

Status: No activity

JPP Unit No. 3 Rewind

Status: Jones Unit 3 Rewind Project is complete. Staff is awaiting the substantial letter of completion, and final repayment from Reclamation.

TSY Switchgear Building UZ11A Repairs (Unplanned Project)

Status: Staff continued to work with Powell regarding the work performed in September, as well as the remaining work required to complete the project. Test Reports for the CTs, PTs, breakers, protective relays, and buses were received in December. Powell remobilized to the site during the week of January 8, 2024. Powell performed tasks such as checking the heater circuits, relocating the PTs to the line side bus, reinstalling the CTs to correct WAPA revenue metering, and all associated electrical tests. Reclamation electrical engineers were onsite and provided support throughout the repairs. SLDMWA, BOR, TSC, and WAPA successfully completed the commissioning of Switchgear UZ11A.

A safety/compliance issue still remains as the rear cover plates were still missing. The cover plates is a requirement for the switchgear to be considered arc resistant. The switchgear was designed to have arc blast to flow up to blast chutes and out of the building. Without the cover plates, the blast would flow down to the underground cable tunnel. Powell has determined that it'll take a week to perform the installation of the cover plates, and this work is covered through the contract scope of work.

The week of May 6th was decided to be the best time for both SLDMWA and Powell to schedule the work. The outage request has been made, reviewed and approved by CVO.

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.

EXTRAORDINARY O&M & CAPITAL PROJECTS

Jones Pumping Plant Unit 6 Rotor Repairs

Status: As part of the 5 year unit rewind warranty inspection, several cracks in the lower amortisseur shorting ring (original equipment) were discovered. Due to the potential for catastrophic failure, it was recommended that they be replaced before the unit was returned to service. An emergency Construction Contract with NEC was authorized by the Board of Director's to complete the repairs. After an 8 week delay due to long lead times for material, NEC mobilized to the site this month and completed the repairs. Internal crews are currently reassembling the unit, and are scheduled to be completed in mid April. However, due to a delay in obtaining new slip ring brush holders from the manufacturer, Unit 6 will remain unavailable until May 2024. In the event the unit is needed sooner than that, the existing slip ring brush holders could be reinstalled until the new ones are received.

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 10th and the Notice to Proceed was issued on May 18th. SLDMWA entered into a Professional Services Agreement with DHR Hydro Services Inc. to provide project management services for the duration of the CEI contract. Onsite construction is planned during April and May 2024 during a 45-day system outage at OPP, pending favorable hydraulic conditions.

This month, CEI has worked on spare transformer lid repairs, removal of the existing control panel, wirings, and auxiliary tank, installation of new AC and DC control panels, installation of 2 new temperature gages (for oil and winding), and installation of new nitrogen system. The low voltage and neutral bushings were received and tested by Pacific Power Testing. National Coatings and Linings prepped and painted the spare transformer. RESA has worked on electrical tests (SFRA), drained the mineral oil from the spare transformer, refilled with nitrogen, and replaced the radiator gaskets. NASS has delivered 17 totes of Midel synthetic ester fluid. Oil processing on the spare will start in April. The 45 day outage has been cancelled, with CEI formerly notified. A new schedule is being investigated now.

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. The initial thought was to enter into a Professional Services Agreement to complete design only, but decided this month to include the fabrication of the parts and materials in this agreement under a second phase. Staff anticipates bringing the Agreement to the board in May.

EXTRAORDINARY O&M & CAPITAL PROJECTS

OPP UPS Battery Charging System Replacement (FY22)

Status: Materials required for the replacement have been ordered and scheduled to be delivered mid-April. Installation is planned to take place during the outage connected with the Main Transformers Rehabilitation Project. 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: Materials required for the replacement have been ordered and scheduled to be delivered mid-April. Installation is planned to take place during the outage connected with the Main Transformers Rehabilitation Project. 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: Upgrade of the installations was planned to occur during the OPP Transformer Rehabilitation outage this April and May, and staff has purchased materials needed to execute this workscope. A schedule of the mechanical system repairs was created to coordinate this effort with other construction efforts that will occur during the Transformer Rehabilitation project. Given the project delay, this work will be executed during the next available 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 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 in April 2024.

EXTRAORDINARY O&M & CAPITAL PROJECTS

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 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.

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.



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

NOTE: ALL FIGURES ARE IN ACRE FEET

	February-2024	February-2023
JONES PUMPING PLANT - PUMPED	229,888	204,326
DCI PLANT - PUMPED	20,193	11,554
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	176,615	167,895
O'NEILL P/G PLANT - GENERATED	1	70
DMC DELIVERIES	4,658	5,243
RIVER/WELL/RECYCLE WATER INTO DMC	3,953	2,732
MENDOTA POOL DELIVERIES	37,457	37,785
SHASTA RESERVOIR STORAGE	3,749,000	2,747,100
SAN LUIS RESERVOIR STORAGE	1,397,020	1,560,651
* FEDERAL SHARE	922,571	672,705

	February-2024	February-2023
SAN LUIS UNIT DELIVERIES	2,099	892
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	2,679	0

Jones Pumping Plant monthly average = 3,997 cfs



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

Date: 3/14/24

<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	229,888			
Total Pumped @ DCI	(20,193)			
Total Reversed @ DCI	0			
City of Tracy		0	387	387
Byron Bethany I.D.		5	1	6
West Side I.D.		0	0	0
Banta Carbona I.D.		0	0	0
West Stanislaus I.D.		0	0	0
Patterson I.D.		0	0	0
Del Puerto W.D.		150	1	151
Central California I.D. - above check #13		0	0	0
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		775	0	775
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		452	0	452
Total Pumped @ O'Neill PP	(176,615)			
Total Generated @ O'Neill PP	1			
Central California I.D. - below check #13		556	0	556
Grasslands W.D. (76.05-L)		0	0	0
Fish & Game Los Banos Refuge (76.05-L)		0	0	0
Fish & Wildlife Kesterson (76.05-L)		123	0	123
Freitas Unit (76.05-L)		664	0	664
Salt Slough Unit (76.05-L)		0	0	0
China Island (76.05-L)		68	0	68
San Luis W.D. - below check #13		766	1	767
Panoche W.D.		322	2	324
Eagle Field W.D.		0	0	0
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		385	0	385
River and Groundwater well pump-in	1,777			
North Valley Regional Recycled Water Program	2,176			
Change in Canal Storage	289			
Wasteway Flushing and Spill	0			
Total Available in Delta-Mendota Canal	37,323			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(4,658)	4,266	392	4,658
Theoretical DMC Delivery to Mendota Pool	32,665			
Total DMC Delivery to MP	27,454			
Estimated (Loss) or Gain in DMC	(5,211)			
Estimated % Loss or Gain in DMC	-2.23%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
February 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	27,454			
Mendota Pool Groundwater Well Pump-In	378			
(+)SJRRP Releases into Mendota Pool	16,550			
(+)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)		6,582	0	6,582
Columbia Canal Company (CCC)		0	0	0
Firebaugh Canal Water District (FCWD)		477	0	477
San Luis Canal Company (SLCC)		0	0	0
<u>Refuge:</u>				
Conveyance Losses		150	0	150
Calif Dept of F/G-LB Unit (CCID)		0	0	0
Calif Dept of F/G-LB Unit (SLCC)		897	0	897
Calif Dept of F/G-Salt Slough Unit (CCID)		0	0	0
Calif Dept of F/G-China Island Unit (CCID)		23	0	23
US Fish & Wildlife-San Luis Refuge (SLCC)		2,954	0	2,954
US Fish & Wildlife-Freitas (CCID)		221	0	221
US Fish & Wildlife-Kesterson (CCID)		41	0	41
Grasslands WD (CCID)		0	0	0
Grasslands WD (SLCC)		592	0	592
Grasslands (Private)		14	0	14
San Luis WD Conveyance (CCID)		38	0	38
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration:</u>				
SJRRP		16,275	0	16,275
<i>Other: (see MP Operations Report)</i>		9,193	0	9,193
<i>Total Available Water in Mendota Pool</i>	44,382			
TOTAL DELIVERY FROM MENDOTA POOL	(37,457)	37,457	0	37,457
*Estimated (Loss) or Gain in Mendota Pool	(6,925)			
*Estimated % Loss or Gain in Mendota Pool	-15.60%			
Total System Delivery	(42,115)			
*Total Estimated System (Loss) or Gain	(12,136)			
*Total Estimated % System Loss or Gain	-4.83%			

Special Notes:



Jones Pumping Plant
February - 2024

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	3	0801	2722
2	3	CONTINUOUSLY	2734
3	3, 4	0801	3284
4	4	CONTINUOUSLY	3499
5	4	CONTINUOUSLY	3483
6	4	CONTINUOUSLY	3604
7	4	CONTINUOUSLY	3612
8	4, 5	0800	4098
9	5	CONTINUOUSLY	4234
10	5	CONTINUOUSLY	4216
11	5	CONTINUOUSLY	4287
12	5	CONTINUOUSLY	4222
13	5	CONTINUOUSLY	4245
14	5	CONTINUOUSLY	4237
15	5	CONTINUOUSLY	4213
16	5	CONTINUOUSLY	4228
17	5	CONTINUOUSLY	4237
18	5	CONTINUOUSLY	4220
19	5	CONTINUOUSLY	4234
20	5	CONTINUOUSLY	4224
21	5	CONTINUOUSLY	4228
22	5	CONTINUOUSLY	4229
23	5	CONTINUOUSLY	4239
24	5	CONTINUOUSLY	4231
25	5	CONTINUOUSLY	4224
26	5	CONTINUOUSLY	4238
27	5	CONTINUOUSLY	4209
28	5	CONTINUOUSLY	4239
29	5	CONTINUOUSLY	4232
30			
31			
AVG CFS for the month			3997



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

Date: 3/4/2024

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	12,924	1	0	BBID	0	0	0	120
13.31-L	4,804	4,804	1	0	BBID	0	0	0	0
15.11-R	2,974	2,974	1	0	BBID	0	0	0	0
20.42-L	46,731,030	46,762,848	1	0	BCID	0	0	0	9,500
20.42-L	46,731,030	46,762,848	1	0	USBR/FWA	0	0	0	5,619
21.12-L	990	990	1.01	0	DPWD	0	0	0	0
21.86-L	770	771	1	(1)	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	1,849	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	7,316,278	7,393,678	1	0	PID	0	0	0	0
42.53-L	7,316,278	7,393,678	1	0	DPWD	0	0	0	0
42.53-L	7,316,278	7,393,678	1	0	USBR/FWA	1,777	0	1,777	12,861
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	028	028	1	0	SLWD	0	0	0	0
50.46-L	6,025	6,025	1.07	0	DPWD	0	0	0	0
51.00-R	297	297	0.89	0	DPWD	0	0	0	0
51.66-L	3,434	3,434	0.98	0	DPWD	0	0	0	0
52.40-L	1,496	1,496	1	0	DPWD	0	0	0	0
58.28-L	3,371	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								1,777	28,100



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

February 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	1,164	1	0	SLWD	0	0	0	0
79.13-R	4,964	4,964	1.08	0	SLWD	0	0	0	0
79.60-L	5,979	5,979	0.84	0	SLWD	0	0	0	0
80.03-L	834	834	0.94	0	SLWD	0	0	0	0
80.03-R	717	717	1.05	0	SLWD	0	0	0	0
98.60-R	14,194	14,194	1	0	PANOCH/MS	0	0	0	0
98.74-L	5,695	5,695	1.14	0	PANOCH/MS	0	0	0	0
99.24-L	10,493	10,493	0.92	0	PANOCH/MS	0	0	0	0
100.70-L	6,211	6,211	1	0	PANOCH/MS	0	0	0	0
102.04-R	4,088	4,088	1	0	WIDREN WD	0	0	0	0
LOWER DMC SUB TOTAL								0	0
WARREN ACT CONTRACT CREDIT TOTAL								1,777	28,100
TOTAL GROSS PUMP-IN								CREDIT	
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)						0		0	0
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)						0		0	0
TOTAL (DEL PUERTO WATER DISTRICT)						0		0	0
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)						0		0	0
TOTAL (PATTERSON IRRIGATION DISTRICT)						0		0	0
TOTAL (SAN LUIS WATER DISTRICT)						0		0	0
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	9,500
West Stanislaus Irrigation District:						0		0	0
Byron Bethany Irrigation District:						0		0	120
Patterson Irrigation District:						0		0	0
San Joaquin River Restoration Pump Back BCID:						0		0	5,619
San Joaquin River Restoration Pump Back PID:						1,777		1,777	12,861
Central California Irrigation District L.B. Creek Diversion Structure						0		0	0
Grassland Water District L.B. Creek Diversion Structure						0		0	0
San Luis Water District L.B. Creek Diversion Structure						0		0	0

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**

FEBRUARY 2024

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 2679			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	2679
R3 164	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	12
	13		San Luis Water District	151
R4 9626	14		City of Dos Palos	74
	14		Pacheco Water District	31
	14		San Luis Water District	216
	14		Panoche Water District	36
	15		San Luis Water District	202
	15		Panoche Water District	1450
	15		Westlands Water District	7617
R5 51875	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	14311
	17		Westlands Water District	6462
	18		City of Coalinga	1359
	18		Pleasant Valley Pumping Plant	18949
	18	222	Westlands Water District	10794
R6 16171	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	78
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	16093
R7 18155	20		City of Huron @ Lat. 23R	44
	20		DWR Water Truck @ 23R	0
	20		Westlands Water District	12240
	21		City of Avenal	153
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	5718
98670	222		<---TOTALS--->	98670
TOTALS BY CUSTOMERS				
Inflow Into Aqueduct:				
0 AF TOTAL for PUMP-IN				
222 AF TOTAL for FLOOD				
			Santa Nella County Water District	12
			Pacheco Water District	31
			San Luis Water District	569
			Panoche Water District	1486
			Westlands Water District	92184
			AltaGas	0
			City of Huron @ LAT. 23R	44
			City of Huron (P&R/Area 11 @ 22R)	0
			Lemoore N.A.S. thru WWD @ 28L,29L&30L	78
			Kings County thru WWD Laterals in Reach 6	0
			City of Avenal	153
			City of Dos Palos	74
			City of Coalinga	1359
			DFG @ O'Neill Forebay	0
			Pacheco Tunnel	2679
			DFG @ Lateral 4L & 6L & 7L	0
			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:	98670
VA Turnout Use AF = 1				
DWR 3137(Rev.9/15)				98671



Monthly Availability Report

CW "Bill" Jones Pumping Plant

February - 2024

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	696	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-2	696	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-3	696	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-4	696	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-5	696	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-6	696	696.0	100.00%	0.0	0.00%	0.00%	0	Out On C-23-JP-63 Warranty Work
Total	4176	696.0	17%	0.0	0.00%	83.00%	2	

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

February - 2024

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	696	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-2	696	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-3	696	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-4	696	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-5	696	0.0	0.00%	3.4	0.49%	99.51%	2	1	
Unit-6	696	0.0	0.00%	0.0	0.00%	100.00%	2	1	
Total	4176	0.0	0%	3.4	0.08%	99.92%	4	2	

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

February - 2024

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	696	0.0	0.00%	2.8	0.40%	99.60%	1	Repair of HVAC breakers on 440 Panel
Unit-2	696	0.0	0.00%	2.8	0.40%	99.60%	1	Repair of HVAC breakers on 440 Panel
Unit-5	696	0.0	0.00%	2.8	0.40%	99.60%	1	Repair of HVAC breakers on 440 Panel
Unit-6	696	0.0	0.00%	2.8	0.40%	99.60%	1	Repair of HVAC breakers on 440 Panel
Total	2784	0.0	0%	11.2	0.40%	99.60%	4	

Notes:

(1) Planned maintenance

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