



November 10, 2022

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for October 2022

### **Operations Department**

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 1-2 units for the month of October. The average rate of pumping for the JPP during the month was 1,030 cubic feet per second (cfs).

Total pumping at the JPP for the month of October was 63,333 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 46,605 acre-feet, and pumped 3,326 acre-feet during the month of October. Zero acre-feet was pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and zero acre-feet was reversed from the California Aqueduct to the DMC for the month of October.

The Federal share in the San Luis Reservoir on October 31<sup>st</sup> was 186,514 acre-feet as compared to 41,771 acre-feet for the end of October 2021.

During the month of October, releases from Friant Dam ranged from 449 to 511 cfs with 1,460 acre-feet entering the Mendota Pool. Flows past the Mendota Dam for the San Joaquin River Restoration Program (SJRRP) were 962 acre-feet for October.

Canal Operations staff performed open channel and closed-pipe flow measurements, routine patrols, wasteway inspections, flow meter calibration, bi-weekly meter readings, water samples, well soundings, meter retrofitting, and routine meter maintenance during the month of October. A coordinated flow measurement was conducted at the NVRWP discharge location (MP 37.33) for the DMC THM study during the month of October. Additional flow measurements were also conducted on the San Joaquin River at the bifurcation structure and San Mateo Avenue for restoration releases.

Control Operations switching/clearance placements performed this month:

- C-22-DCI-54 DCI Unit 3 & 4 installation
- C-22-DCI-56 DCI Unit 3 & 4 BFV 480 volt breaker
- C-22-ON-58 OPP Unit 5 annual maintenance
- C-22-JP-59 JPP Unit 4 & 5 suction elbow
- C-22-JP-60 JPP Unit 2 annual maintenance
- C-22-JP-61 JPP Unit 2 suction elbow
- C-22-DCI-62 DCI Unit 3 verify wiring
- C-22-DCI-63 DCI Unit 4 verify wiring

- C-22-DCI-64 DCI Unit 3 swap motor leads
- C-22-DCI-65 DCI Unit 4 swap motor leads
- C-22-DCI-66 DCI Unit 4 Swap Motor Leads
- C-22-DCI-67 DCI Unit 3 Couple Motor
- C-22-DCI-68 DCI Unit 4 Couple Motor
- C-22-JP-69 JPP Unit 4 BFV Maintenance
- C-22-DCI-70 DCI Unit 3 Protective Relay
- C-22-DCI-71 DCI Unit 4 Protective Relay
- C-22-DCI-72 DCI Unit 3 BFV
- C-22-DCI-73 DCI Unit 4 BFV
- C-22-DCI-74 DCI Unit 4 480 Disconnect
- C-22-ON-75 OPP Unit 2 Annual Maintenance
- C-22-JP-76 JPP Unit 4 Cooling Water Leaks (motor housing)

### **Plant Maintenance Department**

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

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

- JPP Unit 4 rewind
- JPP sewer system control
- TFO E-Shop cooling tower maintenance
- TFO UZB 15 annunciator communication loss repair
- Prep work associated with the 30<sup>th</sup> Anniversary Celebration
- DCI Unit 3 and 4 assistance and support
- OPP Unit 3 vane position modification and calibration
- OPP station service battery PM
- OPP ½ Ton crane PM
- OPP domestic water PM
- OPP 3 Ton crane PM
- OPP Unit 3 flowmeter install and programming
- LBFO gate PM
- LBFO domestic water PM
- Investigate TFO entrance gate failure
- DMC check level detector failures (1,6,9)
- Check 20 PLC repairs

#### **Mechanical Staff:**

- JPP trash rack cleaning
- JPP Unit 5 suction elbow inspection
- JPP Unit 4 rewind reassembly
- JPP Unit 5 Kinney strainer maintenance
- JPP Unit 2 annual maintenance
- WTP booster pump replacement
- Sandblast building maintenance
- OPP Unit 5 annual maintenance
- OPP Unit 5 stuffing box water supply solenoid replacement
- OPP Unit 5 RTD testing and calibration
- OPP Plant checks and back wash
- OPP Unit 2 annual maintenance

## **USBR Support Services**

Water Authority crews performed the following work at USBR facilities this month:

- TFCF hot tap 30" water line
- TFCF boom truck and operator for stoplog installation support (valve pit inspection)
- TFCF monorail gripper repairs

## **Civil Maintenance Department**

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

- Grading of DMC and VWW operating roads
- OPP support
- JPP support
- Install and paint new handrails on DMC turnout steps
- Fabricate pipe fencing along the DMC
- Investigation, excavation and repair of a leak at MP 34.08-L
- Garbage collection on DMC and wasteways
- Chemical and mechanical weed control on DMC and SLD
- Maintenance and repairs to float lines, signs, fences, guard rails and gates
- Cleaning of a culvert at MP 5.67 as requested by USBR
- Fill in voids behind liner and erosion repair along the DMC
- New employee Class A driver training
- Fabrication of handrails for TFO roof hatch openings
- San Luis Drain drainage improvements
- Painting at DMC Checks 11, 12, 13, 14, and 15
- Prep work associated with the 30<sup>th</sup> Anniversary Celebration

## **Engineering Department**

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

- OPP Unit 1 enclosure tube repair
- USBR tile drain drawings
- DMC seepage monitoring @ MP 20.15L
- Data management of well readings and creation of Warren Act hydrographs
- OPP cooling water strainer purchase (Special Project)
- DCI U3 & U4 pump installations engineering support and SCADA development
- OPP Unit 3 generator switchgear transfer switch repair
- OPP SCADA user station development
- OPP Kinney strainer purchase
- Roof access hatch guardrails design for Electric Shop and Canal & Vehicle Maintenance Shop
- TFO Transformer MAIN leak monitoring
- DCI cathodic protection system survey and repairs
- OPP Unit 5 motor breaker hi-pot test
- OPP Unit 5 stator inspection

## **2022 DMC Pumpback Project**

- Finalized plans and documented work completed
- Final report and invoicing in progress

## **Land Management Activity Summary**

The Engineering staff issued one (1) access permit this month:

- Access permit P2302026 was issued to Firebaugh Canal Water District to install a temporary turnout located near MP 105.60-L on the Delta-Mendota Canal

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

- Orestimba Creek Recharge Project
- City of Tracy commercial developments
- City of Patterson – Roger Road developments & Baldwin Ranch comments
- Nees Avenue bridge replacement
- I-205 bridge replacement
- PG&E pipeline replacement at MP 92.73
- Koster Road bridge guardrail extension, San Joaquin County

## **Safety Department**

The Safety Department worked on the following items this month:

- Provided Job Hazard Analysis support for the crews
- Conduct Weekly Safety Tailgate talks with Maintenance and Operations crews
- Sent out Weekly Safety Tailgate Topics – 10-1 Personal Protective Equipment, 10-2 Ladder Safety, 10-3 Sprains and Strains Prevention, 10-4 Fall Protection, 10-5 Power Tool Safety
- Provided safety message for October 2022 Newsletter – 10-2022 Seven Steps to Earthquake Safety
- Provide rescue standby service at OPP
- Conducted Permit Required Confined Space Entry operations training
- Provide safety standby at Tracy Fish Facility

## **Procurement and Work & Asset Management Department**

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

- Continued training and support with Warehouse Inventory Control Clerk and Buyer
- Contract Specialist resigned. Conducted interviews for new Contract Specialist
- Completed probationary appraisal
- Tested and finalized outstanding NetSuite issues, moved to production
- Advanced Procurement Software testing continued in NetSuite.
- Completed Procurement Activity Report
- Contracts/PO Agreements/LOA's Status Update:
  - F22-OPP-059 OPP Main Transformer Rehabilitation. Released RFI to Public Purchase for re-solicitation anticipated in January.

- F22-JPP-071 UZ11A Switchgear Bushing Box Replacement - Board approved single source in February with contract executed in April. Project is ongoing and all parts & materials have been ordered. Update: Majority of parts & materials have been received. Upon receipt of all materials, work will be scheduled.
- F23-LBFO-23 Executed contract for supply and delivery of pesticides
- F23-DCI-012 Issued PO4396 to Corrosion Engineering Services agreement
- Issued PO4397 for Hyacinth Spraying Project - aerial spraying

#### Ongoing:

- Purchasing in support of the O&M crews, and maintaining/replenishing warehouse stock
- Warehouse receiving, stocking, and distribution
- Invoicing/vendor bills/vendor credits processing/invoice disputes
- Janitorial cleaning & disinfecting per COVID-19 guidelines
- Contract Management/Administration activities, including bi-weekly contract update meetings with Engineering staff
- Developing/implementing purchasing/procurement and asset/inventory procedures/boilerplate templates
- Bi-weekly WAM staff meetings to discuss updates/issues
- Contract invoice payment reviews, invoice disputes as needed, invoice payments
- Continuous testing for improvements to procedures in NetSuite as well as ongoing issues related to NetSuite constraints
- Development of Blanket Contracts and Blanket Purchase Orders/Agreements
- Reviewing/closing out old/open PO's in NetSuite
- Reviewing and marking dead stock inventory for disposal

#### Information Technology Department

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

- NetSuite
  - User and Administration
  - Bi-weekly Implementation Team meetings
  - New Project Manager to streamline support from Affirma
- Assisted with monthly FAC, WRC and BOD meetings with Zoom
- Desktop support calls.
- Planning server refresh
- Planning laptop refresh
- Planning upgrading/replacing copiers
- Monitor Symantec Anti-Virus management console
- Security updates on servers
- Monitor firewall
- Update additional AV security settings
- Multi Factor Authentication vendor SurePass
- Follow-up meeting with Active Directory threat defense vendor
- Additional meeting with Protective DNS vendor
- 2nd Draft of Cyber security Incidence Response Plan
- First draft Disaster Recovery Plan

- First draft Business Continuity Plan
- Cyber Security purchase requirements list developed. (IT and SCADA)
- In-house Cyber Security technical team selected and approved
- FirstNet deploying iPhones and iPad SIMS
- MDM IBM (MAAS360) end user device settings and monitoring
- Reviewed InfraGard dispatches – FBI Cyber Security group
- Cyber Security training and webinars
- WAM servers, prepping for redeployment
- EO&M 10-year budget complete for FY24
- O&M Technical Committee meeting FY24 budget for IT (5110)
- Troubleshoot email auto-discover issues after WEB site move
  - Purchased and installed new security certificate
- Completed Darktrace evaluation for Cyber Security monitoring
- Support of Water Operations iPads and new app deployments via MDM
- 2<sup>nd</sup> meeting with Tyler Technologies regarding Cyber Security support
- AV for 30 Year Anniversary celebration
- SCADA outage support during weekend of October 1<sup>st</sup> & 2<sup>nd</sup>
- Start researching file sharing/collaboration software solutions
- Working with Brandon Souza regarding USBR Work Request email process
- Firewall replacement
- Create deployment packages for Office 2019 and 2021 and install in test environment and deploy to 2 users for testing in WA environment
- Assist C&I with copying configuration files from Protective relays at DCI and upload to relays for new Units 3 & 4
- Assist with troubleshooting of gate controls in LBFO

## **HR Department**

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

### **General Administrative Activities:**

- Active Recruitments:
  - Hydro Electric Electrician, Tracy (continued recruitment)
  - Mechanical (Plant) Engineer, Tracy (continued recruitment)
  - Control Operator, Tracy (continued recruitment)
- Closed Recruitments:
  - Apprentice Plant Mechanic, Tracy (assessment testing)
  - Apprentice Electrician, Tracy (candidate selected)
  - Contract Specialist, Tracy (candidate selected)
- Budget preparation
- Benefits Open Enrollment
- Background checks for PIV cards (continuing)
- New hire orientations

### **Training:**

- Remain up to date with COVID-19 compliance
  - Corona Virus 101 Training (new hires)
- Cyber Security Training (all staff)

- Sexual Harassment Prevention Training (all staff)
- Defensive Driving Training (all staff)

Government Reporting:

- Merced County Public Health COVID reporting (as needed)
- Alameda County Public Health COVID reporting (as needed)

Ongoing:

- COVID protocols
- 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 (USB)
- Wellness program

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

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

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

Status: The abutment repair is on hold until PG&E relocates a gas pipeline. A 6-inch gas transmission pipeline owned by PG&E crosses under the bridge serving the City of Dos Palos. All parties have agreed that it would be a safety hazard to conduct work with the gas line in place. USBR, staff, and PGE have worked on developing new plans and license amendment to have the pipeline rerouted under the DMC. Once the new line is installed, the old pipeline will be removed from the MP92.73 bridge. The project has begun with the installation of new pipe below the DMC. The pipe is next scheduled to tie into the existing gas pipeline, and removal of the old pipeline from the bridge. To date the project is progressing as planned and is anticipated to conclude in November 2022, weather permitting.

SLDMWA will be performing erosion and liner repairs under the bridge abutment once PG&E demobilizes or as weather permits. SLDMWA is planning for the repairs to occur in early 2023; meanwhile the bridge remains closed until repairs are complete.

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

Status: SLDMWA is continuing to work closely with Reclamation on the DMC Subsidence Correction Project. CDM Smith was awarded the \$2.4M contract in February 2022 to complete the Feasibility Study. The Feasibility Report is expected to be completed in approximately one year, with certain environmental permitting extending longer if needed. The Final Draft Report is scheduled to be completed by 3/6/2023. CDM subconsultants submitted the 1<sup>st</sup> and 2<sup>nd</sup> Administrative Draft of the EA/IS, however it was recently determine that the additional pumps at the DCI intertie were not included in the original modeling CDM received during the data gathering phase of the project. With the new pumps, additional modeling must be performed and include associated costs resulting in updates to the previously submitted drafts. The effort will delay the project completion date by a currently undertermined amount however staff and CDM is working deligently to minimize the delays. The modeled results will also feed into the benefits and Ability to Pay (ATP) analysis.

USBR Design Estimating and Construction (DEC) review has concluded and resulted in eight (8) recommendations for consideration during final design. USBR is accommodating one of the DEC recommendations with additional site investigations in support of the feasibility analysis. The final joint memorandum for the DEC review is currently being drafted. SLDMWA has received an updated Geotechnical Scope of Work from USBR and an updated cost estimate and schedule from Terracon Geotechnical Engineers to complete the final geotechnical phases 2-4 will inform the final design. SLDMWA is currently preparing the contract amendment to reflect the changes to the SOW and the updated cost estimates. Staff anticipates to bring the contract to the board in December and request the Notice to Proceed to be executed by the Board.

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

The SLDMWA continues to provide support to Reclamation as they manage the construction contract with Unico Services to install the two additional pumps at the DMC/CA Intertie Pumping Plant (DCI). After numerous supply chain issues, all materials were received by Unico and they mobilized back to the site on 9/26. Commissioning of the new units began late October, however an issue with the relay settings was discovered. The Water Authority is assisting Reclamation to resolve the settings in order for the contractor to proceed with commissioning.

### **DMC Turnout Flowmeter Upgrade Program – Phase 3**

Status: Engineering staff is coordinating with Water Operations for the design data for the flowmeters required with this phase. These measurements will be supplied to McCrometer in order to obtain a final quote and a single-source contract will be pursued. Contract is expected to be executed in Fall 2022. No activity this month.

### **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. Reclamation TSC has provided the 60% Technical Specifications and Drawings, while the Engineer’s Estimate will be provided in the 90% package. The 60% package is being reviewed by the Authority and Reclamation Design and Construction Branch CGB-250. The 90% package is scheduled for completion in November.

The following activities have been completed to date:

- Surveyed existing equipment and conditions.
- Reviewed the upgrades to the motor protection.
- Reviewed the electrical design, assembly and placement of the Excitation Cabinets.
- Reviewed the design, dimensions and placement of new Power Transformers.
- Reviewed the design, reliability, security, and assembly of the Unit Control Panels.

An alternative location of the Excitation Cabinets that would streamline the new 13.8kV wiring is still under investigation.

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

Status: No activity

#### **JPP Unit No. 4 Rewind**

Status: NEC has completed their portion of the work on the rotor and it has been turned over to the Authority to begin reassembly. The rotor was reinstalled on 9/26/2022 and work has begun to restore the unit to operational status. Acceptance testing is scheduled for the week of November 14, 2022

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

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

Status: The initial 40% payment to NEC has been made, and SLDMWA has been reimbursed by USBR for the payment. This allowed NEC to purchase the materials to manufacture the stator laminations. Production of laminations began October 13, 2022 and is on schedule to be completed December 5, 2022. Laminations will be shipped to US and arrive in Texas (NEC factory) early January 2023. Unit 3 is on schedule to begin rewind on January 9, 2023.

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

Status: A ground fault incident that damaged the main feeder switchgear and bushing box in switchgear building UZ11A occurred in October 2021. SLDMWA electricians have made partial repairs and investigations have been performed by Reclamation's TSC and Powell (original designer and installer of the switchgear building). Building UZ11A is currently energized via adjacent switchgear building UZ8A (or UZ6A depending on circumstance). The contract for Powell to provide the repairs and replacement has been executed with the majority of submittals reviewed and approved. In August, Powell informed SLDMWA that they could not furnish the bushing box for September, and requested to reschedule the repairs. The clearance for the damaged equipment was modified until the construction is scheduled. The repairs and system outage is tentatively rescheduled for April 2023. SLDMWA received the replacement bushing box, CTs, surge arresters, etc. this month, which is Phase 1 of contract. Phase 2 of the contract will be issued once all the parts have been received.

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

Status: Project is currently in the planning and design phase. A geotechnical investigation was completed by Terracon to characterize the subgrade to ensure an optimum design is pursued. Staff is currently awaiting the final Geotechnical report in order to prepare the Technical Specifications and formally solicit the project. SLDMWA Engineer is working with Terracon Structural team to address necessary questions posted to us regarding the demands of the final design. Construction is tentatively scheduled to occur in Spring 2023.

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

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

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

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

SLDMWA formerly solicited for the rehabilitation of the transformers in March and received one proposal. SLDMWA and Reclamation worked closely to review the initial proposal and obtained Board approval in August to award the contract pending a satisfactorily revised proposal score and successful negotiations with the contractor. Ultimately, the contractor was unable to resolve the issues with the proposal and opted to withdraw their proposal on June 8. After accepting the withdrawal of the proposal, SLDMWA regrouped and evaluated the lessons learned and is now taking a more proactive approach to attract greater contractor interest that should lead to additional proposals. The RFI for Letters of Interest was issued on October 4<sup>th</sup>, and one vendor, Delta Star, has posted questions which SLDMWA has responded to. The RFI will close on November 4<sup>th</sup>. The RFP is tentatively scheduled to be advertised in January 2023, with construction scheduled to occur April/May of 2024, pending favorable hydrologic conditions for the outage.

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

Status: No activity this month. The Facility Rating Review has been received. The personal protective grounds were upgraded per recommendations from the Facility Rating Review. Staff performed an inspection of the unit busses. A report of the findings will be provided to TSC per recommendation. The Arc Flash Hazard Analysis final report has been received. The Protective Relays Review is still pending delivery of the final report.

### OPP Pump Bowl Modification & Replacement (Design and USBR Approval)

Status: The value planning study was completed and staff is currently regrouping on how best to accomplish tasks identified in the study. Several assessments were recommended to be completed to determine the best way to move forward to achieving a reliable plant. EO&M projects have been reprioritized to prevent reworks and sunk costs. FY24 proposed projects are focused on ancillary systems that are critical but won't be affected by the assessment results.

### UPS Battery Charging System Replacement (FY22)

Status: Staff is evaluating whether or not to pursue this job separately from the transformer rehabilitation (April/May 2024). Initially it was planned to purchase the equipment 6 months prior to the start of the Main Transformer Rehabilitation project in order to take advantage of the planned outage, however plans may continue for an April 2023 installation.

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

Status: This project, along with the UPS Battery Charging System Replacement will be done concurrently. It was planned to purchase the equipment 6 months prior to the start of the Main Transformer Rehabilitation project in order to take advantage of the planned outage, however plans may continue for an April 2023 installation.

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

### **OPP Accusonic Flowmeter Console Upgrades (FY23)**

Status: Consoles have been purchased and received. Installation activities are underway. Staff discovered a faulty communication component within the new consoles and are working with Accusonics on a replacement.

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

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

Status: No activity this month. Raw water quality test results were provided to package plant vendors for quotes. Vendor quotes received will be evaluated for completeness for future selection.

### **MULTIPLE FACILITIES**

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

Status: The Analysis will be conducted by Reclamation TSC through a LOA. The onsite surveys for TFO, LBFO, and DCI were completed in September 2022. The Arc Flash Hazard Analysis Reports are expected to be completed by September 2023.

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

Status: Site discovery and documentation of the existing SCADA System is ongoing. The development of controls and SCADA standards is in process. Research is being conducted on how best (with major supply chain issues) to upgrade the system to current standards and then maintain the system with a newly developed 10-year plan. Communication continues to determine if an existing fiber line owned and operated by DWR could be utilized for SLDMWA communication. Staff is evaluating and developing operational technology (OT) cyber security needs and response plan. Work continues to build a controlled area to evaluate and test new hardware and software implementations before going live. Negotiating with vendors on software licensing and hardware availability is ongoing.

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

Status: No Activity.



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

*NOTE: ALL FIGURES ARE IN ACRE FEET*

	<b>September-2022</b>	<b>September-2021</b>
JONES PUMPING PLANT - PUMPED	143,644	128,410
DCI PLANT - PUMPED	0	0
DCI PLANT - RETURNED	0	4,903
O'NEILL P/G PLANT - PUMPED	71,797	58,379
O'NEILL P/G PLANT - GENERATED	6,394	2,445
DMC DELIVERIES	24,904	23,093
RIVER/WELL/RECYCLE WATER INTO DMC	5,113	5,092
MENDOTA POOL DELIVERIES	50,540	50,447
SHASTA RESERVOIR STORAGE	1,515,100	1,074,400
SAN LUIS RESERVOIR (SLR) STORAGE	585,114	251,184
SLR FEDERAL SHARE	243,442	42,730

	<b>September-2022</b>	<b>September-2021</b>
*SAN LUIS UNIT DELIVERIES	5,929	6,851
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	9,321	7,469

Jones Pumping Plant monthly average = 2,414 cfs



**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
September 2022**

Date: 10-13-2022

<u>District/Other</u>	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
<b>Total Pumped @ Jones Pumping Plant</b>	<b>143,644</b>			
<b>Total Pumped @ DCI</b>	<b>0</b>			
<b>Total Reversed @ DCI</b>	<b>0</b>			
City of Tracy		0	750	750
Byron Bethany I.D.		224	40	264
West Side I.D.		0	0	0
Banta Carbona I.D.		0	0	0
West Stanislaus I.D.		1,049	0	1,049
Patterson I.D.		1,036	0	1,036
Del Puerto W.D.		2,547	5	2,552
Central California I.D. - above check #13		1,316	0	1,316
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		2,603	0	2,603
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		1,418	0	1,418
<b>Total Pumped @ O'Neill PP</b>	<b>(71,797)</b>			
<b>Total Generated @ O'Neill PP</b>	<b>6,394</b>			
Central California I.D. - below check #13		8,511	0	8,511
Grasslands W.D. (76.05-L)		1,512	0	1,512
Fish & Game Los Banos Refuge (76.05-L)		1,145	0	1,145
Fish & Wildlife Kesterson (76.05-L)		859	0	859
Freitas Unit (76.05-L)		686	0	686
Salt Slough Unit (76.05-L)		601	0	601
China Island (76.05-L)		0	0	0
San Luis W.D. - below check #13		250	0	250
Panoche W.D.		227	5	232
Eagle Field W.D.		30	0	30
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		90	0	90
River and Groundwater well pump-in	2,957			
North Valley Regional Recycled Water Program	2,156			
Change in Canal Storage	29			
Wasteway Flushing and Spill	0			
<b>Total Available in Delta-Mendota Canal</b>	<b>83,383</b>			
<b>TOTAL DELIVERY FROM DELTA-MENDOTA CANAL</b>	<b>(24,904)</b>	<b>24,104</b>	<b>800</b>	<b>24,904</b>
Theoretical DMC Delivery to Mendota Pool	58,479			
Total DMC Metered Delivery to MP	57,120			
Estimated (Loss) or Gain in DMC	(1,359)			
Estimated % Loss or Gain in DMC	-0.91%			



**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
September 2022**

<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	57,120			
Mendota Pool Groundwater Well Pump-In	6,357			
(+)SJRR Releases into Mendota Pool	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)		23,012	0	23,012
Columbia Canal Company (CCC)		4,114	0	4,114
Firebaugh Canal Water District (FCWD)		2,200	0	2,200
San Luis Canal Company (SLCC)		6,514	0	6,514
<u>Refuge:</u>				
Conveyance Losses		832	0	832
Calif Dept of F/G-LB Unit (CCID)		381	0	381
Calif Dept of F/G-LB Unit (SLCC)		490	0	490
Calif Dept of F/G-Salt Slough Unit (CCID)		200	0	200
Calif Dept of F/G-China Island Unit (CCID)		0	0	0
US Fish & Wildlife-San Luis Refuge (SLCC)		3,364	0	3,364
US Fish & Wildlife-Freitas (CCID)		229	0	229
US Fish & Wildlife-Kesterson (CCID)		286	0	286
Grasslands WD (CCID)		406	0	406
Grasslands WD (SLCC)		174	0	174
Grasslands (Private)		98	0	98
San Luis WD Conveyance (CCID)		40	0	40
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration:</u>				
SJRR		0	0	0
<i>Other: (see MP Operations Report)</i>		8,200	0	8,200
<i>Total Available Water in Mendota Pool</i>	63,477			
<b>TOTAL DELIVERY FROM MENDOTA POOL</b>	<b>(50,540)</b>	<b>50,540</b>	<b>0</b>	<b>50,540</b>
*Estimated (Loss) or Gain in Mendota Pool	(12,937)			
*Estimated % Loss or Gain in Mendota Pool	-20.38%			
Total System Delivery	(75,444)			
<b>*Total Estimated System (Loss) or Gain</b>	<b>(14,296)</b>			
<b>*Total Estimated % System Loss or Gain</b>	<b>-8.97%</b>			

**Special Notes: Extra water sent into the Mendota Pool to raise elevation due to hyacinth and operational needs.**



Jones Pumping Plant  
September - 2022

<b>Date</b>	<b># OF UNITS</b>	<b>TIME ON/OFF</b>	<b>AVG DAILY CFS</b>
1	3	CONTINUOUSLY	2736
2	3 to 2	0001	1818
3	2	CONTINUOUSLY	1812
4	2	CONTINUOUSLY	1805
5	2	CONTINUOUSLY	1809
6	2	CONTINUOUSLY	1811
7	2	CONTINUOUSLY	1815
8	2	CONTINUOUSLY	1810
9	2	CONTINUOUSLY	1817
10	2	CONTINUOUSLY	1813
11	2	CONTINUOUSLY	1824
12	2 to 3	0001	2704
13	3	CONTINUOUSLY	2708
14	3	CONTINUOUSLY	2717
15	3	CONTINUOUSLY	2727
16	3	CONTINUOUSLY	2713
17	3	CONTINUOUSLY	2716
18	3	CONTINUOUSLY	2715
19	3	CONTINUOUSLY	2718
20	3	CONTINUOUSLY	2706
21	3	CONTINUOUSLY	2711
22	3	CONTINUOUSLY	2699
23	3	CONTINUOUSLY	2696
24	3	CONTINUOUSLY	2724
25	3	CONTINUOUSLY	2723
26	3	CONTINUOUSLY	2706
27	3	CONTINUOUSLY	2705
28	3	CONTINUOUSLY	2718
29	3	CONTINUOUSLY	2726
30	3	CONTINUOUSLY	2717
31			
<b>AVG CFS for the month</b>			<b>2414</b>



**NON-PROJECT WATER CREDITS REPORT**  
 (ALL FIGURES IN ACRE FEET)  
 September 2022 WA Credits

Date: 10-11-22

<b>CREDITS UNDER WARREN ACT CONTRACTS</b>									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
3.32-R1	0	0	1	0	BBID	0	0	0	0
3.32-R2	0	0	1	0	BBID	0	0	0	0
3.32-R3	12,797	12,798	1	0	BBID	1	0	1	4,572
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	213
20.42-L	39,055,411	39,596,328	1	0	BCID	1,660	(83)	1,577	13,883
20.42-L	39,055,411	39,596,328	1	0	USBR/FWA	0	0	0	0
21.12-L	990	990	1.01	0	DPWD	0	0	0	0
21.86-L	770	770	1	0	DPWD	0	0	0	0
24.38-L	2,711	2,711	1.04	0	DPWD	0	0	0	86
29.95-R	1,333	1,334	0.87	(1)	DPWD	0	0	0	0
30.43-L	7,445	7,464	1	(19)	DPWD	0	0	0	0
30.43-R	2,123	2,123	0.92	0	DPWD	0	0	0	0
30.95-L	2,003	2,115	1.03	0	DPWD	115	(6)	109	189
31.31-L1	83,510	84,404	1	0	WSTAN	894	(45)	849	11,534
31.31-L2	83,510	84,404	1	0	DPWD	0	0	0	3,076
31.31-L3	82,510	84,404	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	750	751	0.94	(1)	DPWD	0	0	0	0
36.80-L	1,847	1,847	1	0	DPWD	0	0	0	0
37.10-L	3,472	3,481	0.94	0	DPWD	8	0	8	110
37.32-L	2,653	2,653	0.91	0	DPWD	0	0	0	0
42.50-R	1,034	1,034	0.96	0	DPWD	0	0	0	0
42.53-L	6,604,119	6,604,119	1	0	PID	0	0	0	5,591
42.53-L	6,604,119	6,604,119	1	0	DPWD	0	0	0	0
42.53-L	6,604,119	6,604,119	1	0	USBR/FWA	0	0	0	0
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	3,143	3,143	0.95	0	SLWD	0	0	0	243
50.46-L	5,472	5,554	1.07	0	DPWD	88	(4)	84	390
51.00-R	296	296	0.89	0	DPWD	0	0	0	0
51.66-L	807	809	0.98	0	DPWD	2	0	2	109
52.40-L	1,481	1,481	1	0	DPWD	0	0	0	66
58.28-L	3,106	3,125	1.02	0	SLWD	19	(1)	18	290
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	454	454	1	0	DPWD	0	0	0	21
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
<b>UPPER DMC SUB TOTAL</b>								<b>2,648</b>	<b>40,373</b>



## NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

September 2022 WA Credits

<b>CREDITS UNDER WARREN ACT CONTRACTS</b>									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
78.31-L	4,469	4,469	1.08	0	SLWD	0	0	0	0
79.12-R	5,812	5,812	0.91	0	SLWD	0	0	0	249
79.13-L	869	905	1	0	SLWD	36	(2)	34	268
79.13-R	4,928	4,928	1.08	0	SLWD	0	0	0	17
79.60-L	4,802	4,866	0.84	0	SLWD	54	(3)	51	527
80.03-L	834	834	0.94	0	SLWD	0	0	0	128
80.03-R	717	717	1.05	0	SLWD	0	0	0	0
98.60-R	13,765	13,765	1	0	PANOCH/MS	0	0	0	1,312
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	3,460	3,696	1	0	WIDREN WD	236	(12)	224	1,033
<b>LOWER DMC SUB TOTAL</b>								<b>309</b>	<b>3,534</b>
<b>WARREN ACT CONTRACT CREDIT TOTAL</b>								<b>2,957</b>	<b>43,907</b>
<b>TOTAL GROSS PUMP-IN</b>								<b>CREDIT</b>	
<b>TOTAL (BYRON BETHANY IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>213</b>
<b>TOTAL (BANTA CARBONA IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (DEL PUERTO WATER DISTRICT)</b>						<b>213</b>		<b>203</b>	<b>971</b>
<b>TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)</b>						<b>894</b>		<b>849</b>	<b>10,552</b>
<b>TOTAL (PATTERSON IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>5,591</b>
<b>TOTAL (SAN LUIS WATER DISTRICT)</b>						<b>109</b>		<b>103</b>	<b>1,722</b>
<b>TOTAL (PANOCH/MS WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>1,312</b>
<b>TOTAL (MERCY SPRINGS WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (WIDREN WATER DISTRICT)</b>						<b>236</b>		<b>224</b>	<b>1,033</b>
<b>Other Warren Act Conveyance Credit Totals</b>									
<b>Del Puerto Water District:</b>						<b>0</b>		<b>0</b>	<b>3,076</b>
<b>Banta Carbona Irrigation District:</b>						<b>1,660</b>		<b>1,577</b>	<b>13,883</b>
<b>West Stanislaus Irrigation District:</b>						<b>0</b>		<b>0</b>	<b>982</b>
<b>Byron Bethany Irrigation District:</b>						<b>1</b>		<b>1</b>	<b>4,572</b>
<b>Patterson Irrigation District:</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>San Joaquin River Restoration Pump Back BCID:</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>San Joaquin River Restoration Pump Back PID:</b>						<b>0</b>		<b>0</b>	<b>0</b>

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



**MENDOTA POOL OPERATIONS**  
**2022**  
 ALL FIGURES IN ACRE-FEET

Date: 10/13/22

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FRESNO SLOUGH	0	86	60	87	201	298	115	15	5				867
TPUD	0	0	0	12	16	20	18	0	0				66
JAMES I.D.	141	172	97	2,476	5,320	8,496	5,833	850	107				23,492
MEYERS	0	177	150	49	136	199	256	161	137				1,265
M.L. DUDLEY & INDART <sup>1</sup>	0	126	159	317	373	421	403	212	192				2,203
MID VALLEY* (Kings River)	0	0	0	0	0	0	0	0	0				0
REC. DIST. 1606	0	41	0	59	75	106	114	45	23				463
STATE FISH & WILDLIFE	1,643	1,954	159	206	516	439	435	758	1,597				7,707
TRACTION	547	795	290	328	140	503	565	645	773				4,586
UNMETERED	40	140	15	10	150	40	40	45	175				655
<b>Total</b>	<b>2,230</b>	<b>2,889</b>	<b>464</b>	<b>544</b>	<b>806</b>	<b>982</b>	<b>1,040</b>	<b>1,448</b>	<b>2,545</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,948</b>
COELHO FAMILY TRUST <sup>2</sup>	58	337	529	470	668	994	594	392	402				4,444
TRANQUILITY I.D.	0	1,877	1,226	1,719	3,626	4,742	5,400	2,756	1,576				22,922
WESTLANDS LATERAL-6	0	0	5	20	39	48	71	48	55				286
WESTLANDS LATERAL-7	0	0	0	0	2,093	1,324	2,058	3,177	3,102				11,754
CARVALHO TRUST	0	39	41	63	109	138	65	40	56				551
<b>TOTAL</b>	<b>2,429</b>	<b>5,744</b>	<b>2,731</b>	<b>5,816</b>	<b>13,462</b>	<b>17,768</b>	<b>15,967</b>	<b>9,144</b>	<b>8,200</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>81,261</b>

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

1 aka COELHO-GARDNER-HANSEN 2 aka TERRA LINDA FARMS

**Article 215 Water**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Kings River Water**

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Duck Clubs (Percent Full)

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

Jan, 2022  
 DMC Inflow 17,602 AF  
 James Bypass Flows 0 AF

May, 2022  
 DMC Inflow 16,463 AF  
 James Bypass Flows 0 AF

Sept, 2022  
 DMC Inflow 57,120 AF  
 James Bypass Flows 0 AF

Feb, 2022  
 DMC Inflow 53,145 AF  
 James Bypass Flows 0 AF

June, 2022  
 DMC Inflow 35,872 A.F  
 James Bypass Flows 0 AF

Oct, 2022  
 DMC Inflow 0 AF  
 James Bypass Flows 0 AF

Mar, 2022  
 DMC Inflow 38,882 AF  
 James Bypass Flows 0 AF

July, 2022  
 DMC Inflow 91,637 AF  
 James Bypass Flows 0 AF

Nov, 2022  
 DMC Inflow 0 AF  
 James Bypass Flows 0 AF

Apr, 2022  
 DMC Inflow 11,912 AF  
 James Bypass Flows 0 AF

Aug, 2022  
 DMC Inflow 95,944 AF  
 James Bypass Flows 0 AF

Dec, 2022  
 DMC Inflow 0 AF  
 James Bypass Flows 0 AF



**MENDOTA POOL WELL PUMP IN  
2022**  
(ALL FIGURES IN ACRE-FEET)

Date: 10/12/2022

Revised 10/24/22

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
COELHO FAMILY TRUST <sup>1</sup>	121	163	479	672	746	832	1,419	863	636				5,931
M.L. DUDLEY & INDART <sup>2</sup>	20	16	282	68	198	325	294	309	304				1,816
FORDEL	0	294	339	419	443	339	320	89	33				2,276
COELHO WEST	0	0	<b>0</b>	0	143	201	183	151	148				826
CASACA VINYARDS	0	0	<b>0</b>	0	94	121	107	92	75				489
DPF	0	0	0	0	64	107	90	36	47				344
SOLO MIO	0	0	0	0	27	59	55	51	47				239
BAKER FARMS	0	0	0	105	318	401	368	0	456				1,648
FARMERS W.D.	0	0	0	331	645	899	1,054	0	914				3,843
MEYERS	0	<b>186</b>	172	51	93	100	227	169	147				1,145
MEYERS BANKED	0	<b>559</b>	<b>1,579</b>	<b>306</b>	0	131	1,256	1,346	1,259				6,436
SILVER CREEK	0	0	0	0	53	120	108	94	86				461
TRANQUILITY I.D.	0	0	0	0	0	1,714	2,245	1,540	1,243				6,742
FCWD	0	0	0	80	273	333	355	148	409				1,598
YRIBARREN FARMS	0	0	0	32	172	4	17	0	9				234
CARVALHO TRUST	0	0	23	180	8	0	0	0	67				278
ETCHEGOINBERRY	0	0	0	0	225	280	102	286	134				1,027
FRESNO SLOUGH W.D.	0	0	0	0	0	234	179	145	154				712
LSK-1	0	0	27	6	288	129	147	183	189				969
<b>TOTAL</b>	<b>141</b>	<b>1,218</b>	<b>2,901</b>	<b>2,250</b>	<b>3,790</b>	<b>6,329</b>	<b>8,526</b>	<b>5,502</b>	<b>6,357</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37,014</b>

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

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

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

Mar 2022 Pump in amount for Coelho West & Casaca Vinyards was due to vandals and has been removed (per Chase Hurley)

April 2022 Etchengoingberry transferred 150 AF non-project water to FCWD

Spill Back Credit

James ID (per JID)

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
141	269	2447	3541	4501	4433	486	64	<b>204</b>	0	0	0	16086

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

**SEPTEMBER 2022**

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF	
R3A 9321			Parks & Rec. @ San Luis Reservoir	0	
			Santa Clara Valley Water District	9321	
			Casa de Fruta (Santa Clara Valley Water District)	0	
			San Benito Water District	0	
R3 339	13		DFG @ O'Neill Forebay	83	
	13		Parks & Rec. @ O'Neill Forebay	1	
	13		DWR Water Truck at O'Neill 0 AF for Cattle Program @ O'Neill Forebay	0	
	13		San Luis Water District	255	
R4 7608	14		City of Dos Palos	128	
	14		Pacheco Water District	252	
	14		San Luis Water District	3256	
	14		Panoche Water District	31	
	15		San Luis Water District	1006	
	15		Panoche Water District	1009	
	15		Westlands Water District	1926	
R5 6161	16		DFG @ Lat. 4L (Pilibos)	0	
	16		DFG @ Lat. 4L	0	
	16		DFG @ Lat. 6L	0	
	16		DFG @ Lat. 7L	0	
	16	3175	Westlands Water District	1337	
	17		Westlands Water District	1599	
	18		City of Coalinga	336	
	18		Pleasant Valley Pumping Plant	1735	
	18	7	Westlands Water District	1154	
R6 1042	19		Alta Gas	2	
	19		City of Huron (P&R-Area 11) @ Lat. 22R	4	
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0	
	19		Lemoore N.A.S. thru WWD 28L,29L,&30L	87	
	19		Kings County thru WWD 30L	0	
	19		Westlands Water District	949	
1297	20		City of Huron @ Lat. 23R	84	
	20		DWR Water Truck @ 23R	0	
	20		Westlands Water District	642	
	21		City of Avenal	217	
	21		Kings County thru WWD 37L,38L	0	
	21		Westlands Water District	354	
25768		3182	<---TOTALS--->	25768	
<b>TOTALS BY CUSTOMERS</b>					
Inflow Into Aqueduct:					
3182 AF TOTAL Pump-In				Pacheco Water District	252
3023 AF TOTAL Reported for Credit				San Luis Water District	4517
				Panoche Water District	1040
				Westlands Water District	9696
				AltaGas	2
				City of Huron @ LAT. 23R	84
				City of Huron (P&R/Area 11 @ 22R)	4
				Lemoore N.A.S. thru WWD @ 28L,29L&30L	87
				Kings County thru WWD Laterals in Pools 19 - 21	0
				City of Avenal	217
				City of Dos Palos	128
				City of Coalinga	336
				DFG @ O'Neill Forebay	83
				Pacheco Tunnel	9321
				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
				<b>Customers Total:</b>	<b>25768</b>
Pool 12 - Reach 2B					
VA Turnout Use AF =	36				
DWR 3137(Rev.9/15)					25804



## Monthly Availability Report

CW "Bill" Jones Pumping Plant

September - 2022

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%	1	
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%	1	
Unit-4	720	720.0	100.00%	0.0	0.00%	0.00%	0	
Unit-5	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-6	720	720.0	100.00%	0.0	0.00%	0.00%	0	
Total	4320	1440.0	33%	0.0	0.00%	67.00%	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  
September - 2022

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	720	0.0	0.00%	0.0	0.00%	100.00%	0	1	
Unit-2	720	0.0	0.00%	0.0	0.00%	100.00%	1	2	
Unit-3	720	0.0	0.00%	494.5	68.68%	31.32%	1	1	
Unit-4	720	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-5	720	0.0	0.00%	0.0	0.00%	100.00%	1	1	
Unit-6	720	0.0	0.00%	0.0	0.00%	100.00%	1	1	
Total	4320	0.0	0%	494.5	11.45%	88.55%	4	6	

Notes:

(1) Planned maintenance

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



## Monthly Availability Report

DCI Pumping Plant

September - 2022

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	720	109.7	15.24%	0.0	0.00%	84.76%	0	
Unit-2	720	109.7	15.24%	0.0	0.00%	84.76%	0	
Unit-5	720	109.7	15.24%	0.0	0.00%	84.76%	0	
Unit-6	720	114.4	15.89%	0.0	0.00%	84.11%	0	
Total	2880	443.5	15%	0.0	0.00%	85.00%	0	

Notes:

(1) Planned maintenance

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