



March 10, 2022

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for February 2022

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) operated with 1 to 2 units throughout February. The average rate of pumping for the JPP was 1,404 cfs for the month of February.

Total pumping at the JPP for February was 77,977 acre-feet. The O'Neill Pump/Generating Plant (OPP) generated 11,810 acre-feet, and pumped 30,944 acre-feet for the month of February. Three (3) acre-feet was pumped at the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and 0 acre-feet was reversed from the California Aqueduct to the DMC.

The Federal share in the San Luis Reservoir at the end of February was 313,886 acre-feet as compared to 475,383 acre-feet at the end of February, 2021.

During the month of February, releases from Friant Dam ranged from 385 to 1003 cfs with 7,897 AF entering the Mendota Pool. Flows past the Mendota Dam for the San Joaquin River Restoration Program (SJRRP) were 8,003 AF for the month of February.

Canal Operations staff performed open channel and closed-pipe flow measurements, routine patrols, bi-weekly meter readings, water samples, well soundings, and meter maintenance during the month. Coordinated flow testing was also conducted with the Exchange Contractors for flow measurement calibration.

Control Operations switching/clearance placements performed this month:

- C-21-JP-78-B JPP Unit 1 annual maintenance/rewind
- C-22-DCI-52-A DCI Unit 4 clean suction tube
- C-22-ON-03 OU1 Internal investigation
- C-22-JP-05 JPP Unit 5 cooling water strainer rehab
- C-22-DM-06 DMC MP 66.73 Left replace T.O. gate
- C-22-DM-07 DMC MP 40.45 Left install steel plate to block T.O.
- C-22-JP-08 JPP Unit 1 brake indication troubleshoot
- C-22-JP-09 JPP Unit 1 swap motor leads
- C-22-JP-09-A JPP Unit 1 swap motor leads

Civil Maintenance Department

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

- Westley Wasteway crossing and gate installation
- Grading and repair of intake channel, and DMC operating roads
- Assisted Reclamation with hyacinth removal
- HECP
- OPP Unit 1 Support
- DMC erosion repair
- TFO water settling basin leak repair
- Install security gates and wing fences
- Garbage collection on DMC and Wasteways
- Chemical and mechanical weed control on DMC and SLD
- Installation of stairs and handrails to DMC turnout gates and meters
- Maintenance and repairs to float lines, signs, fences, guard rails and gates

Plant Maintenance Department

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

Electrical/C&I Staff:

- JPP Unit 1 re-assembly and testing
- OPP Unit 4 repairs and re-assembly
- OPP Unit 2 vain limit troubleshoot and adjustment
- DMC 3G to 4G communication upgrade
- OPP Unit 1 vibration inspections and repairs
- OPP Unit 1 speed head bearing replacement
- TFF trash rake repair

Mechanical Staff:

- JPP Unit 1 Rewind support
- JPP air wash pump replacement
- JPP miscellaneous parts painting
- TFF trash rake repair
- JPP Unit 5 Kinney strainer maintenance
- JPP mezzanine step fabrication
- JPP routine hazardous materials inspections
- TFO Control Room plumbing repair
- OPP Unit 4 repair and re-assembly
- OPP Unit 1 vibration inspections and repairs
- OPP Unit 1 speed head bearing replacement
- OPP Unit 1 annual maintenance
- OPP Unit 1 monitor Gen/Pump start up and operation

USBR Support Services

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

- TFF trash rack cleaning support
- TFF trash rake repairs

Engineering Department

The Engineering staff worked on the following projects this month:

- JPP Unit 1 rewind project, including thrust bearing inspection and repairs
- JPP Unit 3 & 4 rewind projects
- JPP switchgear buildings relay settings update
- TFCF secondary channel equipment support
- TFCF Electrical PMs
- TFO canal maintenance yard storm drainage design
- TFO breaker modifications per JPP Arc Flash 2018
- OPP Unit 3 vane control calibration
- OPP cooling water system rehabilitation
- OPP concrete wall cracks monitoring.
- OPP service water pump rehabilitation
- OPP Unit 1 enclosure tube repair
- OPP Unit 4 distributor leak repair
- OPP Unit 4 rotor and stator electrical tests
- OPP oil tanks foundation removal
- TSY UZ11A bushing box replacement and repairs
- Software support for C&Is
- Power transformer oil monitoring for TFO, DCI, and OPP
- DMC seepage monitoring @ MP 20.15
- Upper DMC 3G to 4G communication upgrades
- Data management of well readings and creation of Warren Act hydrographs
- O&M PM setup and asset management in NetSuite

Land Management Activity Summary

The Engineering staff issued two (2) access permits this month:

- Emergency access permit P2202036 was issued to San Luis Water District to repair the existing irrigation valve damaged by a vehicle on the Delta-Mendota Canal right-of-way at Milepost 58.28-L.
- Access permit P2202034 was issued to Pacific Gas & Electric Company for roadway access to their facilities adjacent to the Delta-Mendota Canal right-of-way from Milepost 68.03-R to Milepost 71.31-R.

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

- Coordination meeting with the City of Tracy on development
- Development of Land Management requirements for adjacent developments
- Orestimba Creek Recharge Project
- Santa Nella WD Sewer and Water Crossing
- Tracy HOM Project, Tracy CA
- Costco Annexation Project, Tracy, CA
- Tracy Hills Commerce Center, Tracy, CA
- Tracy Hills Phase 5 Development Review
- Schulte Warehouse Annexation, Tracy, CA
- City of Patterson – Sperry Road developments & Baldwin Ranch comments
- International Parkway Bridge Replacement, PROLOGIS -Tracy, CA
- Corral Hollow Road Bridge Replacement
- PGE pipeline relocation @ MP92.73

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 – 2-1 Heavy Equipment Safety, 2-2 Compressed Air Safety, 2-3 First Aid for Chemical Burns, 2-4 Carpal Tunnel Syndrome
- Provided Safety Message for February 2022 Monthly Newsletter – 2/2022 Space Heater Safety
- Conduct site safety inspections
- Provide Permit Required Confined Space – Safety Standby at DCI
- Provide safety orientation for new hires: Carlos Renteria, James Evans, Victor Avila, Kaleb Escobar
- Submitted annual hazardous materials business plans resubmittal to the California Environmental Reporting System
- Arrange hazardous waste pickups for TFO paint shop and OPP

Procurement and Work & Asset Management Department

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

- Annual physical inventory cycle count
- FY22 open purchase order review and close out including processing FY22 invoices
- Employee annual performance appraisals and probationary appraisals
- Warehouse cleaning/organizing including E-waste and hazardous waste pickups
- Contracts/PO Agreements/LOA's status update:
 - F22-OPP-059 - OPP Main Transformer Rehabilitation solicitation document development in progress. Estimated release date is planned for March 2022. As of February, edits still in progress.
 - F22-DMC-065- Feasibility Study Board approved on 2/10 and contract executed. Project underway. 1st kick off meeting completed.
 - F22-DMC-069 Cellular Gateway Migration- Final parts delivered, final closing being done, and scheduling to be done in March/April.
 - F22-JPP-071- Board approved single source on 2/10. Contract negotiations/modifications in place and pending contract execution.
 - F22-JPP-070 - RFP prepared for Investment Advisory Services. Executives/Procurement have been finalizing RFP. Anticipated release date March/April.
 - F22-DMC-073 RFP for Risk Dam Raise and Reservoir Expansion Project Released 2/23
 - F22-OPP-072- Actuator Rod Repair RFQ. Vendor declined to quote. Resolicited and received a quote from Unico Mechanical for \$6500 and issued on a PO
 - F22-LBAO-075 – AAP Consultant contract executed

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
- 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

Information Technology Department

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

- NetSuite
 - User and Administration
 - Bi-Weekly Implementation Team meetings
- Continuing support for our "Work at Home" users
- 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
- Completed 3G to 4G cell migration for DMC check structures
- Security updates on servers
- Update firmware on firewall
- Update additional AV security settings
- Cybersecurity insurance survey
- Evaluated and met with multi-factor authentication vendors
- Evaluated and met with Active Directory threat defense vendor
- Research of erroneous emails to and from members and associated vendors

Human Resources Department

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

General Administrative Activities:

- Recruitments:
 - Heavy Equipment Operator, Tracy (continued recruitment)
 - Hydro Electric Electrician, Tracy (continued recruitment)
 - Mechanical (Plant) Engineer, Tracy (continued recruitment)
 - Hydro Electric Maintenance Planner (internal candidate selected)
 - Inventory Control Clerk (interviewing/skills testing)
 - Hydro Electric Plant Mechanic, Tracy
 - Equipment Mechanic, Tracy
 - Secretary, Tracy
 - Director of Finance
- Background checks for PIV cards (continuing)
- New Hire Orientations

Trainings/ Conferences:

- Remain up to date with webinars to ensure compliance with new legislation as it pertains to COVID-19
- Cyber Security Training (all staff being scheduled for training)
- Sexual Harassment Prevention Training (all staff being scheduled for bi-annual training)

Government Reporting:

- Merced County Public Health COVID Reporting (as needed)
- Alameda County Public Health COVID Reporting (as needed)
- Affirmative Action report (submitted, waiting for review)
- Federal Contractors Portal (OFCCP)

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
- Maintain OSHA logs for calendar year
- Wellness program

EXTRAORDINARY O&M & CAPITAL PROJECTS

DELTA-MENDOTA CANAL (DMC)

Bridge Abutment Repair at MP 92.73

Status: The abutment repair is on hold until PG&E relocates the pipeline. The 6-inch pipe owned by PG&E that crosses under the bridge, adjacent to the abutment, is the main transmission line for 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, and PG&E is currently planning to remove the existing pipeline from the bridge and HDD install a new pipeline under the canal. PG&E has Provided 60% design review Plans for USBR and SLDMWA review. Final plans are anticipated to be ready in summer with construction planned in the late summer to fall timeframe. PG&E, SLDMWA, and Reclamation are meeting monthly to keep the project moving forward.

DMC Subsidence Correction Project

Status: SLDMWA is working closely with Reclamation to complete the tasks identified in the Financial Assistance Agreement (FA Agreement) that was executed on 9/24/2021 after acquiring Board approval. Phase 1 Geotechnical work has been completed and funding will be reimbursed as a pre-incurred task identified in the FA Agreement. CDM Smith was awarded the \$2.4M contract to complete the Feasibilit Study, with the Notice to Proceed issued on February 10, 2022. The Feasibility Report is expected to be completed in approximately one year, with certain environmental permitting extending longer if needed. A Project Kick-off was initiated with all technical team members fully engaged including USBR staff.

SLDMWA continued working with DWR to provide adequate information regarding the DMC Subsidence Project to be eligible to receive state funding. The work plan, budget, and cash flow exhibits were revised and resubmitted.

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). Mobilization occurred on February 7th, with construction scheduled to be completed the first week of April.

DMC Turnout Flowmeter Upgrade Program – Phase 2

Status: Phase 2 is underway, SLDMWA is in contract with McCrometer for the purchase of 62 Water Specialty flowmeters equipped with telemetry through the SLDMWA single-source procedure. The contract was executed after the January 2022 board meeting. The first batch of flowmeters have been delivered and are currenty being installed. Final delivery of meters is expected by Fall 2022

EXTRAORDINARY O&M & CAPITAL PROJECTS

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

JPP Excitation Cabinet & Control Panel Refurbishment (FY2018 Project)

Status: Site visit was completed in March 2021 by USBR Denver Office staff to evaluate the installation plans for the project. The SLDMWA processed additional funds to the USBR for engineering on this project to continue in November and are awaiting an updated schedule.

JPP Wear Ring Purchase

Status: No activity this month.

JPP Unit No. 5 Rewind

Status: Project is complete. The final invoice has been approved by Reclamation and partial payment was received in July. Currently awaiting final payment of \$584,337.95.

JPP Unit No. 1 Rewind

Status: NEC completed their work on 12/19/2021. Reassembly of the unit by the SLDMWA is completed. Upon reassembly, the static runout was found to still be excessive, originating at the thrust bearing. A shim was placed between the thrust block and runner, reducing static runout to less than 25% of that allowed by FIST 2-1. Performance testing on Jones Unit 1 commenced on 02/28/2022 and is expected to be returned to service the first week of March.

JPP Unit No. 4 Rewind

Status: The schedule for Unit 4 has been adjusted accordingly due to the Unit 1 delay. Disassembly by SLDMWA staff is scheduled to begin March 07, 2022, previously December 9, 2021. Laminations for Unit 4 were manufactured in November, shipped from Poland on December 6, and received by NEC in their Brownsville, TX warehouse. Preliminary vibration readings were taken by Bentley Nevada on January 18, to provide a comparison baseline for performance testing after the rewind is complete.

TSY Switchgear Building UZ11A Modification and Repairs

Status: A ground fault incident that damaged the main feeder switchgear and bushing box in switchgear building UZ11A in October 2021. SLDMWA electricians have made partial repairs and investigations have been performed by Reclamation TSC and Powell (Powell is the company that designed and built the switchgear building). UZ11A is currently energized via tie-breaker with another switchgear building UZ8A. SLDMWA worked closely with Reclamation and Powell to develop a detailed scope of work for the replacement parts and services and are finalizing terms and conditions agreeable to both SLDMWA and Powell.

EXTRAORDINARY O&M & CAPITAL PROJECTS

O'NEILL PUMPING/GENERATING PLANT (OPP)

Main Transformers Rehabilitation/Replacement Project

Status: Oil monitoring was completed in January and the results were acceptable. The RFP is nearing completion and is planned to be released at the end of March 2022. The construction is tentatively scheduled to start March 2023, and the outage to start in April 2023. The oil tanks has been removed from the switchyard, and a copy of the manifest has been sent to Reclamation. The oil tank foundation is planned to be removed in June 2022. TSC staff will provide construction management support through a new Letter of Agreement.

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

Status: The Facility Rating Review has been received. The personal protective grounds were upgraded per recommendations from the Facility Rating Review. Performed an inspection of the unit busses. A report of the findings will be provided to TSC per recommendation. The Arc Flash Hazard Analysis draft has been reviewed and acknowledged with no comments. The protective relays review is still pending.

OPP Pump Bowl Modification (Design and USBR Approval)

Status: Project is on hold while scope is being re-evaluated to ensure the continued reliability of the OPP units. SLDMWA will be requesting a value engineering study to be conducted by Reclamation in the summer. SLDMWA will be an active participant in the study.

Penstock Cathodic Protection System Replacement

Status: Construction materials are on order and a site visit was completed by Farwest on February 23, 2022 to survey the drill site. Construction is scheduled to be complete by Fall 2022.

UPS Battery Charging System Replacement

Status: No activity this month. Installation will be timed concurrent with the outage for the transformer rehabilitation at OPP (April/May 2023). Equipment purchase for this job will occur 6 months prior to the transformer project starting.

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement

Status: Water quality test results were provided to package plant vendors for quotes. Vendor quotes received will be evaluated for completeness for future selection. Treatment Plant Drainage: SLDMWA Engineers proposed modifications to the drainage design. Final design and review has been completed and is awaiting construction by SLDMWA staff.

EXTRAORDINARY O&M & CAPITAL PROJECTS

MULTIPLE FACILITIES: TFO/ LBFO/ DCI

Arc Flash Hazard Analysis

Status: No activity this month. Received the project management plan from TSC and the draft letter of agreement from Reclamation Tracy Office. Site work is tentatively scheduled for June/July 2022.



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

NOTE: ALL FIGURES ARE IN ACRE FEET

	January-2022	January-2021
JONES PUMPING PLANT - PUMPED	231,354	70,850
DCI PLANT - PUMPED	24,494	0
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	185,961	60,628
O'NEILL P/G PLANT - GENERATED	0	0
DMC DELIVERIES	7,857	1,709
RIVER/WELL/RECYCLE WATER INTO DMC	4,522	10,034
MENDOTA POOL DELIVERIES	29,067	23,211
SHASTA RESERVOIR STORAGE	1,621,400	2,128,700
SAN LUIS RESERVOIR STORAGE	902,344	1,059,893
SLR FEDERAL SHARE	314,365	415,956

	January-2022	January-2021
*SAN LUIS UNIT DELIVERIES	8,358	8,421
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	4,506	10,733

Jones Pumping Plant monthly average = 3,763 cfs



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

Date: 2/18/22

<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	231,354			
Total Pumped @ DCI	(24,494)			
Total Reversed @ DCI	0			
City of Tracy		0	540	540
Byron Bethany I.D.		2	0	2
West Side I.D.		0	0	0
Banta Carbona I.D.		0	0	0
West Stanislaus I.D.		3	0	3
Patterson I.D.		0	0	0
Del Puerto W.D.		45	0	45
Central California I.D. - above check #13		464	0	464
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		320	0	320
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		0	0	0
Total Pumped @ O'Neill PP	(185,961)			
Total Generated @ O'Neill PP	0			
Central California I.D. - below check #13		992	0	992
Grasslands W.D. (76.05-L)		3,146	0	3,146
Fish & Game Los Banos Refuge (76.05-L)		872	0	872
Fish & Wildlife Kesterson (76.05-L)		504	0	504
Freitas Unit (76.05-L)		607	0	607
Salt Slough Unit (76.05-L)		95	0	95
China Island (76.05-L)		230	0	230
San Luis W.D. - below check #13		0	0	0
Panoche W.D.		1	2	3
Eagle Field W.D.		34	0	34
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		0	0	0
River and Groundwater well pump-in	2,399			
North Valley Regional Recycled Water Program	2,123			
<i>Change in Canal Storage</i>	(223)			
<i>Wasteway Flushing and Spill</i>	0			
<i>Total Available in Delta-Mendota Canal</i>	25,198			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(7,857)	7,315	542	7,857
Theoretical DMC Delivery to Mendota Pool	17,341			
Total DMC Metered Delivery to MP	17,602			
Estimated (Loss) or Gain in DMC	261			
Estimated % Loss or Gain in DMC	0.11%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
January 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	17,602			
Mendota Pool Groundwater Well Pump-In	141			
(+)SJRR Releases into Mendota Pool	17,839			
(+)Kings River Flood Releases into the Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		114	0	114
Columbia Canal Company (CCC)		0	0	0
Firebaugh Canal Water District (FCWD)		0	0	0
San Luis Canal Company (SLCC)		0	0	0
<u>Refuge:</u>				
Conveyance Losses		1,818	0	1,818
Calif Dept of F/G-LB Unit (CCID)		290	0	290
Calif Dept of F/G-LB Unit (SLCC)		1,144	0	1,144
Calif Dept of F/G-Salt Slough Unit (CCID)		32	0	32
Calif Dept of F/G-China Island Unit (CCID)		77	0	77
US Fish & Wildlife-San Luis Refuge (SLCC)		3,462	0	3,462
US Fish & Wildlife-Freitas (CCID)		202	0	202
US Fish & Wildlife-Kesterson (CCID)		168	0	168
Grasslands WD (CCID)		362	0	362
Grasslands WD (SLCC)		650	0	650
Grasslands (Private)		686	0	686
San Luis WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration:</u>				
SJRR		17,633	0	17,633
<i>Other: (see MP Operations Report)</i>		2,429	0	2,429
<i>Total Available Water in Mendota Pool</i>	35,582			
TOTAL DELIVERY FROM MENDOTA POOL	(29,067)	29,067	0	29,067
*Estimated (Loss) or Gain in Mendota Pool	(6,515)			
*Estimated % Loss or Gain in Mendota Pool	-18.31%			
Total System Delivery	(36,924)			
*Total Estimated System (Loss) or Gain	(6,254)			
*Total Estimated % System Loss or Gain	-2.49%			

Special Notes:



Jones Pumping Plant
January - 2022

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	2	CONTINUOUSLY	1698
2	2	CONTINUOUSLY	1707
3	2 to 4	0001	3447
4	4	CONTINUOUSLY	3496
5	4	CONTINUOUSLY	3478
6	4 to 5	0800	4016
7	5	CONTINUOUSLY	4208
8	5	CONTINUOUSLY	4205
9	5	CONTINUOUSLY	4056
10	5	CONTINUOUSLY	4052
11	5	CONTINUOUSLY	4052
12	5	CONTINUOUSLY	4054
13	5	CONTINUOUSLY	4061
14	5	CONTINUOUSLY	4110
15	5	CONTINUOUSLY	4120
16	5	CONTINUOUSLY	4115
17	5	CONTINUOUSLY	4071
18	5	CONTINUOUSLY	4064
19	5	CONTINUOUSLY	4085
20	5	CONTINUOUSLY	4090
21	5	CONTINUOUSLY	4088
22	5	CONTINUOUSLY	4144
23	5	CONTINUOUSLY	4119
24	5	CONTINUOUSLY	4184
25	5	CONTINUOUSLY	4207
26	5 to 4	1500	3885
27	4	CONTINUOUSLY	3392
28	4	CONTINUOUSLY	3275
29	4	CONTINUOUSLY	3336
30	4	CONTINUOUSLY	3399
31	4	CONTINUOUSLY	3431
AVG CFS for the month			3763



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

Date: 2/22/22

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	7,812	7,812	1	0	BBID	0	0	0	5,243
13.31-L	4,804	4,804	1	0	BBID	0	0	0	0
14.26-R	5,217	5,217	1	0	BBID	0	0	0	0
15.11-R	2,619	2,619	1	0	BBID	0	0	0	598
20.42-L	33,078,968	33,250,317	1	0	BCID	526	(26)	500	14,733
20.42-L	33,078,968	33,250,317	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	2,463	2,575	1.04	0	DPWD	116	(6)	110	396
29.95-R	1,325	1,325	0.87	0	DPWD	0	0	0	31
30.43-L	7,424	7,424	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	1,920	1,920	1.03	0	DPWD	0	0	0	0
31.31-L1	65,115	66,386	1	0	WSTAN	895	(45)	850	8,983
31.31-L2	65,115	66,386	1	0	DPWD	376	(19)	357	3,408
31.31-L3	65,115	66,386	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	749	749	0.94	0	DPWD	0	0	0	0
36.45-R	4,477	4,477	1	0	DPWD	0	0	0	134
36.80-L	1,844	1,844	1	0	DPWD	0	0	0	0
37.10-L	3,357	3,357	0.94	0	DPWD	0	0	0	54
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	6,225,305	6,268,475	1	0	PID	321	(16)	305	10,309
42.53-L	6,255,305	6,268,475	1	0	DPWD	0	0	0	0
42.53-L	6,225,305	6,268,475	1	0	USBR/FWA	670	0	670	670
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	2,422	2,671	0.95	0	SLWD	237	(12)	225	1,395
50.46-L	4,946	5,072	1.07	0	DPWD	135	(7)	128	976
51.00-R	296	296	0.89	0	DPWD	0	0	0	0
51.66-L	611	650	0.98	0	DPWD	38	(2)	36	290
52.40-L	1,331	1,371	1	0	DPWD	40	(2)	38	38
58.28-L	2,773	2,773	1.02	0	SLWD	0	0	0	585
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	433	433	1	0	DPWD	0	0	0	26
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
UPPER DMC SUB TOTAL								3,219	47,869



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

January 2022 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	5,526	5,526	0.91	0	SLWD	0	0	0	504
79.13-L	457	546	1	0	SLWD	89	(4)	85	589
79.13-R	4,840	4,909	1.08	0	SLWD	75	(4)	71	329
79.60-L	3,748	4,024	0.84	0	SLWD	232	(12)	220	2,377
80.03-L	673	673	0.94	0	SLWD	0	0	0	214
80.03-R	717	717	1.05	0	SLWD	0	0	0	56
98.60-R	10,898	11,192	1	(12)	PANOCH/MS	282	(14)	268	268
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	2,607	2,607	1	0	WIDREN WD	0	0	0	961
LOWER DMC SUB TOTAL								644	5,298
WARREN ACT CONTRACT CREDIT TOTAL								3,863	53,167
TOTAL GROSS PUMP-IN								CREDIT	
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)						0		0	598
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)						0		0	0
TOTAL (DEL PUERTO WATER DISTRICT)						329		312	1,945
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)						892		847	7,609
TOTAL (PATTERSON IRRIGATION DISTRICT)						321		305	10,309
TOTAL (SAN LUIS WATER DISTRICT)						633		601	6,049
TOTAL (PANOCH/MS WATER DISTRICT)						282		268	268
TOTAL (MERCY SPRINGS WATER DISTRICT)						0		0	0
TOTAL (WIDREN WATER DISTRICT)						0		0	961
Other Warren Act Conveyance Credit Totals									
Del Puerto Water District:						376		357	3,408
Banta Carbona Irrigation District:						526		500	14,733
West Stanislaus Irrigation District:						3		3	1,374
Byron Bethany Irrigation District:						0		0	5,243
Patterson Irrigation District:						0		0	0
San Joaquin River Restoration Pump Back BCID:						0		0	0
San Joaquin River Restoration Pump Back PID:						670		670	670

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: 2/18/22

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FRESNO SLOUGH	0												0
TPUD	0												0
JAMES I.D.	141												141
MEYERS	0												0
M.L. DUDLEY & INDART ¹	0												0
MID VALLEY* (Kings River)	0												0
REC. DIST. 1606	0												0
STATE FISH & WILDLIFE	1,643												1,643
TRACTION	547												547
UNMETERED	40												40
Total	2,230	0	0	0	0	0	0	0	0	0	0	0	2,230
COELHO FAMILY TRUST ²	58												58
TRANQUILITY I.D.	0												0
WESTLANDS LATERAL-6	0												0
WESTLANDS LATERAL-7	0												0
CARVALHO TRUST	0												0
TOTAL	2,429	0	0	0	0	0	0	0	0	0	0	0	2,429

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

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

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

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

May, 2022
 DMC Inflow AF
 James Bypass Flows 0 AF

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

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

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

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

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

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

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

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

JANUARY 2022

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 4506			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	4408
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	98
R3 161	13		DFG @ O'Neill Forebay	30
	13		Parks & Rec. @ O'Neill Forebay	0
	13		DWR Water Truck at O'Neill 1 AF for Cattle Program @ O'Neill Forebay	1
	13		San Luis Water District	130
R4 872	14		City of Dos Palos	15
	14		Pacheco Water District	0
	14		San Luis Water District	356
	14		Panoche Water District	4
	15		San Luis Water District	61
	15		Panoche Water District	23
	15		Westlands Water District	413
R5 1733	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	386
	17		Westlands Water District	212
	18		City of Coalinga	196
	18		Pleasant Valley Pumping Plant	437
	18		Westlands Water District	502
R6 531	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 29L & 30L	9
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	522
555	20		City of Huron @ Lat. 23R	52
	20		DWR Water Truck @ 23R	0
	20		Westlands Water District	237
	21		City of Avenal	172
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	94
8358	0		<---TOTALS--->	8358
TOTALS BY CUSTOMERS				
			Pacheco Water District	0
			San Luis Water District	547
			Panoche Water District	27
			Westlands Water District	2803
			AltaGas	0
			City of Huron @ LAT. 23R	52
			City of Huron (P&R/Area 11 @ 22R)	0
			Lemoore N.A.S. thru WWD @ 29L & 30L	9
			Kings County thru WWD Laterals in Pools 19 - 21	0
			City of Avenal	172
			City of Dos Palos	15
			City of Coalinga	196
			DFG @ O'Neill Forebay	30
			Pacheco Tunnel	4506
			DFG @ Lateral 4L & 6L & 7L	0
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	0
			0 AF for DWR Water Truck at O'Neill, 1 AF for Cattle Program @ O'Neill Reservoir	1
Customers Total:				8358
Pool 12 - Reach 2B VA Turnout Use AF = 4				8362
DWR 3137(Rev.9/15)				8362



Monthly Availability Report

CW "Bill" Jones Pumping Plant

January - 2022

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	744.0	100.00%	0.0	0.00%	0.00%	0	1) Unit Rewind/Rotor Rehab
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-4	744	0.0	0.00%	0.0	0.00%	100.00%	3	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-6	744	0.0	0.00%	17.2	2.31%	97.69%	1	2) TB C/W line leak
Total	4464	744.0	17%	17.2	0.39%	82.61%	6	

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

January - 2022

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	0.0	0.00%	0.0	0.00%	100.00%	2	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	2	
Total	2976	0.0	0%	0.0	0.00%	100.00%	6	

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
January - 2022

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	744	0.0	0.00%	123.4	16.59%	83.41%	1	0	2) Enclosure Tube Repair
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-4	744	0.0	0.00%	744.0	100.00%	0.00%	0	0	2) Actuator Rod Oil Leak
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Total	4464	0.0	0%	867.4	19.43%	80.57%	1	0	

Notes:

(1) Planned maintenance

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