



October 8, 2020

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for September 2020

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) operated at five units for the majority of September with an average pumping rate of 3,980 cfs. Pumping was temporarily reduced on September 3rd and 4th due to a failure on the Tracy Fish Collection Facility (TFCF) trash rack cleaner. At the request of Cal-ISO, pumping was temporarily reduced to one unit on September 7th and 8th to assist with emergency power grid management during the heat wave. Pumping was also reduced to one unit September 21st to 22nd due a failure on the TFCF primary louver crane.

Total pumping at JPP for the month of September was 236,798 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 92,950 acre-feet and generated 4,839 acre-feet. The Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) pumped 16,790 acre-feet to help manage water levels due to subsidence related flow restrictions in several areas of the upper DMC.

The Federal share in San Luis Reservoir on September 30th was 360,748 acre-feet as compared to 463,670 acre-feet on September 30th, 2019.

During the month of September, releases from Friant Dam ranged from 397 to 439 cfs and flows entering the Mendota Pool ranged from 67 to 101 cfs. Flows of 70 to 100 cfs were released passed Mendota Dam for the San Joaquin River Restoration Program (SJRRP).

Canal Operations staff members performed open channel and closed-pipe flow measurements, routine patrols, bi-weekly meter readings, well soundings, and meter maintenance during the month of September.

Control Operations staff performed the following switching/clearance placements for the month of September:

- JPP Unit 1 Motor Housing; Replace failed RTD
- JPP Unit 1 Butterfly Valve Hydraulic System; Replace failed pilot valve
- OPP Unit 1; Annual Maintenance

Civil Maintenance Department

The Civil Maintenance crews worked on the following projects for the month of September:

- Chemical and mechanical weed control
- Rodent abatement
- Grading of DMC roads
- Build up outside banks along DMC operating road
- Replace traffic strips on DMC farm bridges at mileposts 99.82 and 100.85
- Repairs to signs and fencing on San Luis Drain (SLD)
- Fabrication and installation of pipe fencing along right-of-way near DCI Plant
- Remove dried drain spoils near DMC Check 13
- Embankment repairs along TFCF primary channel south bank; removal of vegetation and material, re-shape and compact bank, armor bank with bedding material and riprap, improve drainage of paved surfaces
- Repair LBFO wash rack pressure washer
- Remove abandoned communication equipment from Tracy Control Building in preparation of roof refurbishment
- Cut concrete curb at entrance to O'Neill Plant switchyard
- Assist with TFCF trash rake retrieval and transport to JPP Machine Shop for repairs
- Installation of stairs and handrails to DMC turnout gates and meters
- Maintenance and repairs to float lines, signs, fences, and gates
- Garbage collection on DMC, SLD, and Wasteways

Plant Maintenance Department

Electrical/C&I Staff:

- Inspect and repair DCI Plant ventilation fans, louvers, and lighting
- Repair Tracy Water Treatment Plant (WTP) booster pump controls
- Repair Tracy Compound entrance camera
- Installation of TFCF unwatering pump controls
- Replace JPP trash rack cleaner contactors
- OPP Unit 1 and Unit 2 annual maintenance
- Locate and mark 13.8kV cable at TFCF in preparation of embankment repairs
- Replace faulty RTD in JPP Unit 1
- Replace contactor for TFCF primary louver crane hoist motor
- Replaced DMC Check #4 downstream level detector
- Troubleshoot West Volta Well; replaced faulty well level probe
- Connect and commission OPP #2 sump pump
- Assist with OPP SCADA node upgrade

Mechanical Staff:

- OPP Unit 1 and Unit 2 annual maintenance
- Remove JPP sump pump for overhaul
- Commission OPP sump pump #2
- Assist with West Volta Well level probe replacement
- Assist with OPP main unit confined space assessment and rescue procedures
- Retrieve TFCF south trash rack cleaner rake with assistance from divers, repair, and reinstall
- Replace TFCF primary louver cleaner hoist cables

- Review repair and adjustment procedures with manufacturer of TFCF secondary louver travelling screen
- Replace failed pilot valve in JPP Unit 1 butterfly valve block
- Fabricate and install duct extension on Tracy Electric Shop air conditioners
- Prep for installation of new air compressor for the Tracy sand blast and paint building
- Machine JPP Unit 5 slip rings and spare slip ring set
- JPP Unit 5 Rewind Project: NEC completed stacking of laminations and installed finger press plates that were damaged during transportation and repaired at NEC's Brownsville, TX facility. Extensive testing was performed to ensure the integrity of the repaired finger press plates and final pressing of the lamination stacks was completed.

Engineering Department

The Engineering Department staff worked on the following projects this month: JPP Units 5 Rewind Project, OPP hot oil reconditioning, OPP 480V circuit breaker modification, anode replacement projects for DCI and OPP, JPP switchgear buildings relay settings update, DCI Main Transformer Conservator Leak Repair, DCI U4 switchgear replacement, JPP upper thrust bearing RTD modification, TFO sandblast building air compressor installation, JPP Finger Press Plate evaluation for Unit 5, OPP fall protection and confined space improvements, PM for Control Room and switchgear HVAC, Volta Refuge well motor troubleshooting support, DMC subsidence mitigation project, data management and procedures for the Warren Act Contract wells, TFCF embankment repair, and managed RO&M recommendations for DMC bridges. The SCADA department has been working with Firebaugh Canal Water District to incorporate the new magnetic flowmeter readings at MP109.45-R into SCADA, and the deployment of (2) replacement SCADA nodes with new hardware, software and configuration.

Land Management Activity Summary:

This month only one (1) access permit was issued. Permit P2102015 was issued to the San Francisco Public Utilities Commission to enter onto the Delta-Mendota Canal right-of-way to replace their existing underground pipeline (Hetch-Hetchy) located at MP23.97. As a request from Del Puerto Water District, the Engineering Department also staked the Delta-Mendota Canal right-of-way from MP56.80-L to MP57.46-L so the grower can reference when planting his new orchard.

Continued working with City of Patterson on replacement of Rogers Road bridge and also the Black Gulch Creek undercrossing modification. Participated on conference call and coordination regarding DMC ROW usage for land locked property near MP31.59. Provided comments to San Joaquin County regarding guardrail extensions at the Koster Road bridge.

Safety Department

The Safety Department worked on the following items this month:

- JHA support for the crews
- Permit Required Confined Space Rescue planning
- Scheduling of annual hearing tests
- Safety orientation for new hires, Ryan Seidlitz and Cesar Lara
- Sending out Weekly Safety Tailgate and Safety Alert messages.

Work & Asset Management Department

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

EAM/Financial Software Replacement Project

- In addition to meetings and walkthrough sessions, staff is reviewing, updating and uploading critical ERP data to NetSuite.
- Clean-up of Oracle WAM data in preparation of data migration to NetSuite/Shepherd CMMS continues.
- Developing the End User Training Plan has started.

Contracts in Process

- Assisted the Contract Specialist with pending contracts as needed

Ongoing:

- Purchasing in support of the O&M crews, to maintain warehouse stock, and locate & purchase disinfecting supplies & protective gear to comply with COVID-19 protocols
- Warehouse receiving, stocking, and distribution
- Fleet and property management
- Oracle WAM invoicing
- Janitorial cleaning & disinfecting per COVID-19 guidelines

Information Technology Department

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

- Install of new services/contracts with AT&T
 - Router and circuit installation phase 1 is complete
 - LBAO, Tracy, Sacramento
 - Installation phase 2 (ASEoD)
 - Installed and awaiting SDWAN
 - Installation phase 3 (SDWAN)
 - Configuration/programming by AT&T
 - September 30th
 - Phase 4
 - Go live October 16th (tentative)
 - Phase 5
 - Port phone call paths to routers in phase 1
 - Two weekly status update calls with AT&T's different team members
- New services/prices with Un-Wired
 - Bandwidth increase will coincide with phase 4
- NetSuite upgrade planning meetings
- NetSuite online training, user and administration
- Continuing support for our "work at home" users
- Configured and installed equipment for new employees in Tracy; Cesar Lara & Ryan Seidlitz
- Assist with FAC, WRC, DHCCP Steering and BOD meetings with Zoom
- Desktop support calls
- Email outage. Repaired primary email database, added disk space to server, split logs and database to separate disk volumes.
- Opened dialogue with KMTG IT staff to coordinate Sacramento Office move.

Human Resources Department

General Administrative Activities:

- Recruitments:
 - Special Programs Manager (currently recruiting)
 - Heavy Equipment Operator (currently recruiting)
 - Apprentice Electrician, Internal only (currently recruiting)
 - Water Resources Program Manager (currently interviewing)
- Compensation Survey – contract awarded to Koff & Associates
- Preparing Open Enrollment
- Employee Appreciation (Annual Employee Service Awards)

Trainings/ Conferences:

- Laures continues with the Leadership Essentials course through the JPIA. It is being held online at this time.
- On-going training with new HR Analyst II, Leslie Hunt
- All employees have completed the Sexual Harassment Training requirement
- Stephanie, Leslie & Laures continue to view webinars for ensure compliance with new legislation as it pertains to COVID-19
- Stephanie, Leslie & Laures view weekly webinars hosted by the JPIA for COVID-19

Government Reporting:

- Families First CoronaVirus Response Act (FFCRA)
- Completed Vets 4212 Reporting

Ongoing:

- 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 2020 calendar year
- Wellness program

EXTRAORDINARY O&M & CAPITAL PROJECTS

DELTA-MENDOTA CANAL (DMC)

DMC O&M Road Maintenance Program – Phase 10 (MP 81.69 to 90.54)

Status: Project completed

Bridge Abutment Repair at MP 92.73

Status: Initial project planning began with a site visit. Investigations began to determine status of gas line that crosses under the bridge, adjacent to abutment, and then crosses the DMC attached to the bridge. The 6-inch pipe is owned by PG&E and was determined to be a main transmission line serving the community of Dos Palos. An application was submitted to PG&E to start the discussion of the conflict with a conference call scheduled for October 1st.

DMC Subsidence Mitigation

Status: Reclamation presented the draft summary of findings for the subsidence correction. After checks and peer reviews, this information will be used to prepare the projects technical memorandum and appraisal level cost estimate. Due to the magnitude of this project, Reclamation will most likely be required to perform a feasibility analysis on the various repair alternatives associated with the subsidence mitigation. TSC has scheduled a week long site visit on the DMC for the week of October 5th. Reclamation is also working on the addition of two pumps at the Intertie Pumping Plant. Two supply contracts supply have been awarded. One contract to manufacture the two pumps and motors. The other contract is to manufacture the four large butterfly & check valves. Bids have been received for the installation of the government furnished pumps, motors and valves will be awarded in October. The anticipated installation dates of the government furnished items is April, 2021.

DMC Flowmeter Upgrade Program

Status: Draft contract has been prepared. Board approval documents were prepared and sent to attorney for review. Sole source purchase of the meters is being pursued at the October Board of Director's meeting.

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

JPP Excitation Cabinet & Control Panel Refurbishment (1800333) FY2018 Project

Status: USBR Denver Office engineering staff continue to work on the design of the static system. 60% design expected from USBR Denver Office in September. 60% draft of boiler plate specifications was sent to Water Authority for review. Provided Control Cabinet Survey pictures per Julie Bader's request.

JPP Unit No. 5 Rewind

Status: National Electric Coil (NEC) began onsite work on June 15th as scheduled and project is currently tracking one week behind schedule. Some of the finger press plates were damaged in a trucking accident while being transported back to Tracy on Sept 4th. They were returned to NEC's facilities in Texas for repair, repairs were completed and NDT performed at NEC's Brownsville Texas facility. The stator core lamination stacking is complete. During the installation of the top finger press plates some cracks were noticed on some of the plates, NEC hired a metallurgist to inspect the cracks and he determined that they are original cracks from when the casting was originally done and posed no possibility of failure. All of the finger press plates are now installed and

EXTRAORDINARY O&M & CAPITAL PROJECTS

torqued. All of the field poles have been removed from the rotor and sent to Texas for refurbishment. The excitation armature repair (slip ring excessive runout) is ongoing, with the Request for Bids due Oct 1. Four bidders attended required site visit, with 2 bids received to date. Both bids are within budget.

JPP/OPP/DCI Fire Protection Systems Assessment

Status: Water Authority staff has drafted a scope of work for an outside engineering firm to provide the assessment. Plans are to contract with Reclamation for review of the assessment completed by the engineering firm.

O'NEILL PUMPING/GENERATING PLANT (OPP)

Design New Access Opening near Pump Bowl (1800332) FY2018 Project

Status: No Activity this month. The design phase of this project has been proposed for FY22 EO&M budget. SLDMWA plans to contract the design of new pump bowls through the original manufacturer, Fairbanks Morse. The new pump bowls will incorporate two cast in 'windows' for access hatches to provide safer, easier maintenance. All proposed modifications will need to be reviewed and approved according to Mid-Pacific Region Guidelines for the Review of Design Drawings and Specifications and Oversight of Related Activities on Transferred Works. This phase would include gathering the necessary engineering information and data to prove that the replacement bowls will operate within the design requirements for the pump. The result of the design phase will be the approval of the design modification and the Technical Specifications necessary to manufacture the new bowls.

Main Transformers Rehabilitation/Replacement Project (2001247)

Status: The VP Study report has been peer-reviewed and being processed for release. The USBR Denver Office (TSC) has provided the Project Management Plan (PMP) to Reclamation Tracy Office. Letter of Agreement (LOA) 20-LC-20-2742 has been submitted and signed. The funds have been sent to Reclamation Mid-Pacific Region. Survey pictures of Auxiliary Control Board CCB have been sent to TSC per request. Modifications to the switchyard concrete curb to install a slide gate for easier access has started. System outage scheduled for Oct. 26-30 has been approved by CVO and WAPA, but still waiting for approval from DWR. Contract documents for the hot oil reconditioning for A, B, & C phase transformers is currently out for bid.

Arc Flash Hazard Analysis, Facility Rating, & Protective Relays Reviews (Electrical Equipment Periodic Reviews) (2001994)

Status: The survey was completed in June by the USBR. The periodic review reports are scheduled to be completed by February 2021.

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement (2000158)

Status: No activity this month.

EXTRAORDINARY O&M & CAPITAL PROJECTS

TFO Control Building Foam Roof Re-Coating (2100997)

Status: Invitation for Bid was advertised, and two bids were received. The Notice of Intent to Award was sent to the lowest bidder, American Foam Experts. Currently waiting for the performance bond documentation.



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

NOTE: ALL FIGURES ARE IN ACRE FEET

	August-2020	August-2019
JONES PUMPING PLANT - PUMPED	255,017	252,276
DCI PLANT - PUMPED	19,436	12,938
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	83,935	53,260
O'NEILL P/G PLANT - GENERATED	7,149	1,890
DMC DELIVERIES	47,195	48,933
RIVER/WELL/RECYCLE WATER INTO DMC	5,936	2,169
MENDOTA POOL DELIVERIES	110,127	135,866
SHASTA RESERVOIR STORAGE	2,351,200	3,658,300
SAN LUIS RESERVOIR STORAGE	974,253	1,232,614
SLR FEDERAL SHARE	249,003	485,072

	August-2020	August-2019
* SAN LUIS UNIT DELIVERIES	57,757	14,238
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	14,601	14,886

Jones Pumping Plant monthly average = 4,147cfs

*August 2019 figure does not include Westlands Water District



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
August 2020**

To: Adam Hoffman; Erma Leal; Gabe Mora; Katrina Buelna; Liz Kiteck; Mark Rhodes; Marta Rivas; Melody Hernandez; Amy Oliveira; Sheryl Carter; Sonya Nechanicky; Stacey Smith; Tim Blair; Tom Boardman; Joyce Machado; Wes Harrison

From: Chauncey Lee, Water Operations Superintendent, 530-228-4504 (cell)

Date: 9/17/20

<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	255,017			
Total Pumped @ DCI	(19,436)			
Total Reversed @ DCI	0			
City of Tracy		0	1,037	1,037
Byron Bethany I.D.		515	2	517
West Side I.D.		0	0	0
Banta Carbona I.D.		14	0	14
West Stanislaus I.D.		1,381	0	1,381
Patterson I.D.		0	0	0
Del Puerto W.D.		6,882	0	6,882
Central California I.D. - above check #13		1,619	0	1,619
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		1,863	0	1,863
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		300	0	300
Total Pumped @ O'Neill PP	(83,935)			
Total Generated @ O'Neill PP	7,149			
Central California I.D. - below check #13		20,159	0	20,159
Grasslands W.D. (76.05-L)		6,074	0	6,074
Fish & Game Los Banos Refuge (76.05-L)		778	0	778
Fish & Wildlife Kesterson (76.05-L)		200	0	200
Freitas Unit (76.05-L)		48	0	48
Salt Slough Unit (76.05-L)		1,589	0	1,589
China Island (76.05-L)		551	0	551
San Luis W.D. - below check #13		944	0	944
Panoche W.D.		649	1	650
Eagle Field W.D.		64	0	64
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		2,525	0	2,525
River and Groundwater well pump-in	3,705			
North Valley Regional Recycled Water Program	2,231			
Change in Canal Storage	(259)			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	164,427			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(47,195)	46,155	1,040	47,195
Theoretical DMC Delivery to Mendota Pool	117,232			
Total Estimated DMC Delivery to MP (determined at Check 20)	104,977			
Estimated (Loss) or Gain in DMC	(12,255)			
Estimated % Loss or Gain in DMC	-4.68%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
August 2020**

<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	104,977			
Mendota Pool Groundwater Well Pump-In	3,521			
(+)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)		61,732	0	61,732
Columbia Canal Company (CCC)		5,819	0	5,819
Firebaugh Canal Water District (FCWD)		4,943	0	4,943
San Luis Canal Company (SLCC)		22,806	0	22,806
<u>Refuge:</u>				
Conveyance Losses		0	0	0
Calif Dept of F/G-LB Unit (CCID)		259	0	259
Calif Dept of F/G-LB Unit (SLCC)		280	0	280
Calif Dept of F/G-Salt Slough Unit (CCID)		530	0	530
Calif Dept of F/G-China Island Unit (CCID)		183	0	183
US Fish & Wildlife-San Luis Refuge (SLCC)		0	0	0
US Fish & Wildlife-Freitas (CCID)		16	0	16
US Fish & Wildlife-Kesterson (CCID)		67	0	67
Grasslands WD (CCID)		1,775	0	1,775
Grasslands WD (SLCC)		101	0	101
Grasslands (Private)		250	0	250
San Luis WD Conveyance (CCID)		59	0	59
Del Puerto WD Conveyance (CCID)		24	0	24
<u>San Joaquin River Restoration:</u>				
SJRR		4,909	0	4,909
<i>Other: (see MP Operations Report)</i>		6,374	0	6,374
<i>Total Available Water in Mendota Pool</i>	108,498			
TOTAL DELIVERY FROM MENDOTA POOL	(110,127)	110,127	0	110,127
*Estimated (Loss) or Gain in Mendota Pool	1,629			
*Estimated % Loss or Gain in Mendota Pool	1.50%			
Total System Delivery	(157,322)			
*Total Estimated System (Loss) or Gain	(10,626)			
*Total Estimated % System Loss or Gain	-3.95%			

Special Notes:



Jones Pumping Plant
August - 2020

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	5	CONTINUOUSLY	4284
2	5	CONTINUOUSLY	4284
3	5 to 2, 2 to 5	0500/1300	3752
4	5 to 1, 1 to 5, 5 to 3	0600/1400/1830	3284
5	3 to 5	0001	4309
6	5	CONTINUOUSLY	4310
7	5	CONTINUOUSLY	4312
8	5	CONTINUOUSLY	4318
9	5	CONTINUOUSLY	4309
10	5	CONTINUOUSLY	4326
11	5	CONTINUOUSLY	4316
12	5	CONTINUOUSLY	4318
13	5	CONTINUOUSLY	4308
14	5	CONTINUOUSLY	4307
15	5	CONTINUOUSLY	4307
16	5	CONTINUOUSLY	4294
17	5 to 1, 1 to 5	1400/2200	3183
18	5 to 1, 1 to 5	1400/2200	3154
19	5 to 1, 1 to 5	1400/2200	3189
20	4 to 5	0001	4322
21	5	CONTINUOUSLY	4316
22	5	CONTINUOUSLY	4303
23	5	CONTINUOUSLY	4289
24	5	CONTINUOUSLY	4295
25	5	CONTINUOUSLY	4303
26	5	CONTINUOUSLY	4311
27	5	CONTINUOUSLY	4317
28	5	CONTINUOUSLY	4316
29	5	CONTINUOUSLY	4316
30	5	CONTINUOUSLY	4315
31	5	CONTINUOUSLY	4305
AVG CFS for the month			4147



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

August 2020 WA Credits

To: Adam Hoffman; Adam Scheuber; Anthea Hansen; Kelley Geyer; Bobby Pierce; Brandon Kelley; Chris Eacock; David Weisenberger; Erma Leal; Frances Mizuno; Gabe Mora; Ian Uecker; Janet Gutierrez; Jarrett Martin; Jason Dean; Jeff Bryant; Juan Cadena; Katrina Buena; Lon Martin; Lydia Sosa; Margaret Howe; Margie Lowe; Mark Rhodes; Marta Rivas; Melody Hernandez; Reza Shahcheraghi; Rick Gilmore; Sandra Reyes; Sheryl Carter; Siqing Liu; Stacey Smith; Wes Harrison

From : Chauncey Lee, Water Operations Superintendent, 530-228-4504 (cell)

Date: 9/17/20

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	1,191	1,709	1	0	BBID	518	(26)	492	1,204
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	1,988	1,988	1	0	BBID	0	0	0	346
20.42-L	22,350,547	22,624,261	1	0	BCID	0	0	0	9,500
20.42-L	22,350,547	22,624,261	1	0	USB/FWA	840	0	840	2,290
21.12-L	990	990	1.01	0	DPWD	0	0	0	0
21.86-L	769	769	1	0	DPWD	0	0	0	0
24.38-L	1,814	1,829	1.04	0	DPWD	16	(1)	15	66
29.95-R	1,014	1,057	0.87	0	DPWD	37	(2)	35	94
30.43-L	7,422	7,422	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	1,916	1,916	1.03	0	DPWD	0	0	0	0
31.31-L1	49,481	50,126	1	0	WSTAN	645	(32)	613	3,159
31.31-L2	49,481	50,126	1	0	DPWD	0	0	0	0
31.31-L3	49,481	50,126	1	0	PID	0	0	0	0
31.60-L	8,182	8,182	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	748	748	0.94	0	DPWD	0	0	0	0
36.80-L	1,844	1,844	1	0	DPWD	0	0	0	0
37.10-L	3,294	3,294	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	5,311,506	5,369,326	1	0	PID	487	(24)	463	5,359
42.53-L	5,311,506	5,369,326	1	0	DPWD	0	0	0	0
42.53-L	5,311,506	5,369,326	1	0	USB/FWA	840	0	840	3,986
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	1,407	1,407	0.95	0	SLWD	0	0	0	472
50.46-L	4,109	4,109	1.07	0	DPWD	0	0	0	0
51.00-R	296	296	0.89	0	DPWD	0	0	0	0
51.66-L	337	337	0.98	0	DPWD	0	0	0	0
52.40-L	1,331	1,331	0.94	0	DPWD	0	0	0	0
58.28-L	1,628	1,728	1.02	0	SLWD	102	(5)	97	534
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	314	321	1	0	DPWD	7	0	7	15
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
UPPER DMC SUB TOTAL								3,402	27,025



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

August 2020 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	4,906	4,911	0.91	0	SLWD	5	0	5	266
79.13-L	2,421	2,423	1	0	SLWD	2	0	2	119
79.13-R	4,543	4,544	1.08	0	SLWD	1	0	1	132
79.60-L	9,551	9,735	0.84	0	SLWD	155	(8)	147	910
80.03-L	329	334	0.94	0	SLWD	5	0	5	224
80.03-R	645	646	1.05	0	SLWD	1	0	1	8
98.60-R	10,798	10,799	1	(1)	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	1,387	1,537	1	0	WIDREN WD	150	(8)	142	509
LOWER DMC SUB TOTAL								303	2,168
WARREN ACT CONTRACT CREDIT TOTAL								3,705	29,193
TOTAL GROSS PUMP-IN								CREDIT	
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)						0		0	346
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)						0		0	0
TOTAL (DEL PUERTO WATER DISTRICT)						60		57	175
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)						0		0	768
TOTAL (PATTERSON IRRIGATION DISTRICT)						487		463	5,359
TOTAL (SAN LUIS WATER DISTRICT)						271		258	2,665
TOTAL (PANOCH/MS WATER DISTRICT)						0		0	0
TOTAL (MERCY SPRINGS WATER DISTRICT)						0		0	0
TOTAL (WIDREN WATER DISTRICT)						150		142	509
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:						645		613	2,391
Byron Bethany Irrigation District:						518		492	1,204
Patterson Irrigation District:						0		0	0
San Joaquin River Restoration Pump Back BCID:						840		840	2,290
San Joaquin River Restoration Pump Back PID:						840		840	3,986

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



**MENDOTA POOL OPERATIONS
2020
ALL FIGURES IN ACRE-FEET**

To: Adam Hoffman; Bill Pipes; Cheryl Lassotovich; Danny Wade; Donna Hanneman; Emily Thomas; Erma Leal; Steve Brueggemann; Gabe Mora; Hallie Rajkovich; Janet Gutierrez; Jason Dean; Jason Smith; Jeff Gallmann; Joy Kelley; Katarina Buelna; Linda Colella; Liz Kiteck; Margie Lowe; Mark Rhodes; Marta Rivas; Melody Hernandez; Amy Oliveira; Rebecca Heilman; Rick Yribarren; Sonya Nechanicky; Stacey Smith; Steven Stadler; Ted Baker; Tom Boardman; Joyce Machado; Wes Harrison; William Halligan

Prepared by: Chauncey Lee, Water Operations Superintendent, 530-228-4504 (cell)

9/17/2020

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FCWD	0	92	0	0	0	0	0	0					92
CCID	0	0	0	0	0	0	0	0					0
FRESNO SLOUGH	0	106	19	38	105	262	252	84					866
TPUD	0	24	0	0	24	26	15	0					89
JAMES I.D.	18	3,990	60	51	391	3,874	5,122	357					13,863
MEYERS	634	847	25	43	118	164	172	144					2,147
M.L. DUDLEY & INDART 1	49	173	251	167	204	304	435	467					2,050
MID VALLEY* (Kings River)	0	0	0	0	0	0	0	0					0
REC. DIST. 1606	0	88	28	0	71	164	125	20					496
STATE FISH & WILDLIFE	1,217	1,524	349	515	266	993	981	1,233					7,078
TRACTION	716	645	197	518	101	842	725	839					4,583
UNMETERED	75	90	20	100	20	110	150	250					815
Total	2,008	2,259	566	1,133	387	1,945	1,856	2,322	0	0	0	0	12,476
COELHO FAMILY TRUST 2	33	365	247	462	952	1,548	1,094	518					5,219
TRANQUILITY I.D.	0	2,103	1,142	1,522	3,319	4,875	4,608	2,368					19,937
WESTLANDS LATERAL-6	0	0	0	0	0	0	137	46					183
WESTLANDS LATERAL-7	0	0	0	0	0	84	0	0					84
CARVALHO TRUST	0	26	36	55	98	104	106	48					473
TOTAL	2,742	10,073	2,374	3,471	5,669	13,350	13,922	6,374	0	0	0	0	57,975

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, 2020

DMC Inflow 24,000 AF
James Bypass Flows 0 AF

Feb, 2020

DMC Inflow 68,500 AF
James Bypass Flows 0 AF

Mar, 2020

DMC Inflow 34,116 AF
James Bypass Flows 0 AF

Apr, 2020

DMC Inflow 35,852 AF
James Bypass Flows 0 AF

May, 2020

DMC Inflow 71,307 AF
James Bypass Flows 0 AF

June, 2020

DMC Inflow 108,229 A.F
James Bypass Flows 0 AF

July, 2020

DMC Inflow 127,638 AF
James Bypass Flows AF

Aug, 2020

DMC Inflow 104,977 AF
James Bypass Flows 0 AF

Sept, 2020

DMC Inflow AF
James Bypass Flows AF

Oct, 2020

DMC Inflow AF
James Bypass Flows AF

Nov, 2020

DMC Inflow AF
James Bypass Flows AF

Dec, 2020

DMC Inflow AF
James Bypass Flows AF

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

Revised 9/16/20

AUGUST 2020

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 14601			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	11484
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	3117
R3 688	13		DFG @ O'Neill Forebay	70
	13		Parks & Rec. @ O'Neill Forebay	0
	13		DWR Water Truck at O'Neill 0 AF for Cattle Program @ O'Neill Forebay	0
	13		San Luis Water District	618
R4 17842	14		City of Dos Palos	189
	14		Pacheco Water District	896
	14		San Luis Water District	5680
	14		Panoche Water District	58
	15		San Luis Water District	1519
	15		Panoche Water District	3089
	15		Westlands Water District	6411
R5 28069	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	9504
	17		Westlands Water District	5506
	18		City of Coalinga	1043
	18		Pleasant Valley Pumping Plant	6817
	18		Westlands Water District	5199
R6 6397	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	262
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	6135
R7 6589	20		City of Huron @ Lat. 23R	107
	20		Kings County thru WWD 31L,32L,33L,34L,35L,36L	0
	20		Westlands Water District	4930
	21		City of Avenal	263
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	1289
74186	0		<---TOTALS--->	74186
TOTALS BY CUSTOMERS				
			Pacheco Water District	896
			San Luis Water District	7817
			Panoche Water District	3147
			Westlands Water District	45791
			AltaGas	0
			City of Huron @ LAT. 23R	107
			City of Huron (P&R/Area 11 @ 22R)	0
			Lemoore N.A.S. thru WWD @ 29L & 30L	262
			Kings County thru WWD Laterals in Pools 19 - 21	0
			City of Avenal	263
			City of Dos Palos	189
			City of Coalinga	1043
			DFG @ O'Neill Forebay	70
			Pacheco Tunnel	14601
			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, 0 AF for Cattle Program @ O'Neill Reservoir	0
			Customers Total:	74186
Pool 12 - Reach 2B VA Turnout Use AF = 35				
DWR 3137(Rev.9/15)				74221



Monthly Availability Report

CW "Bill" Jones Pumping Plant

August - 2020

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%	6	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	4	
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-4	744	0.0	0.00%	0.0	0.00%	100.00%	5	
Unit-5	744	744.0	100.00%	0.0	0.00%	0.00%	0	1) Unit Rewind/Motor Rehab
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	6	
Total	4464	744.0	17%	0.0	0.00%	83.00%	22	

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
August - 2020

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	744	0.0	0.00%	32.9	4.42%	95.58%	2	3	
Unit-2	744	184.0	24.73%	0.0	0.00%	75.27%	1	0	ANNUAL MAINT.
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	2	1	
Unit-4	744	0.0	0.00%	0.0	0.00%	100.00%	1	3	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	2	0	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	1	3	
Total	4464	184.0	4%	32.9	0.74%	95.26%	9	10	

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

August - 2020

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%	6	
Unit-2	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%	2	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	6	
Total	2976	0.0	0%	0.0	0.00%	100.00%	17	

Notes:

(1) Planned maintenance

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