



August 6, 2020

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for July 2020

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) began the month of July at four units and increased to five units on July 9th due to available water in the Delta. Pumping was temporarily interrupted on July 6th and 7th due to issues with the Tracy Fish Collection Facility (TFCF) trash rack cleaner. Pumping was decreased to four units July 30th due to 'Monthly July Outflow' and increased back to five units on August 1st.

Pumping as of July 28th at the JPP was 222,902 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 44,340 acre-feet and generated 2,506 acre-feet. The Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) pumped 18,214 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 July 28th was 210,690 acre-feet as compared to 592,581 acre-feet on July 28th, 2019.

As of July 28th, releases from Friant Dam ranged from 399 to 429 cfs and flows entering the Mendota Pool ranged from 54 to 84 cfs. Flows of 60 to 80 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.

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

- JPP U-3; High Pressure Lubrication Pump gauge replacement
- JPP U-3; Protective relay replacement (SEL 300G)

Continued with annual Hazardous Energy refresher training to the various departments and comprehensive training to new employees.

Civil Maintenance Department

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

- Chemical and mechanical weed control
- Continued rodent abatement

- Clean out silt from DMC turnouts at various locations
- Grading of DMC roads
- Build up outside banks along DMC operating road
- Contractor installed new well and controls at the Los Banos Field Office (LBFO)
- Continued installation of guards over Tracy Compound building skylights per JPIA recommendation
- Repairs to signs and fencing on San Luis Drain (SLD)
- Continued fabricating and installing guard rails on top of DMC meter wells per Cal-OSHA requirements
- Completed office space modifications at the Los Banos Administration Office (LBAO)
- Continued installing 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:

- Replaced louver operators at DCI Plant
- DMC Checks electrical checks and inspections
- JPP infrared inspections
- Added additional data and phone lines at LBAO
- Installed motor on TFCF high pressure pump
- Protective relay programming checks
- OPP U-5 annual maintenance
- Removed abandoned flow meter equipment at DMC turnout at milepost 109.45-R

Mechanical Staff:

- OPP U-5 annual maintenance
- Replaced JPP U-2 Kinney strainer shaft
- Replaced and adjusted hydraulic hoses on TFCF trash rack cleaner
- Installed new high pressure pump at TFCF
- Fabricated weights for stand-by TFCF trash rack cleaner
- Fabricated spare Kinney strainer shafts
- JPP unit 5 rewind: Authority crews completed disassembly of unit. NEC on site July 20th and began removal of old stator coils. Authority crews assisting as needed.

Engineering Department

The Engineering Department staff worked on the following projects this month: JPP Units 5 rewind project, JPP Unit 3 start sequence troubleshooting, main transformer oil analysis for TFO and DCI, OPP hot oil reconditioning, OPP quarterly oil monitoring, anode replacement projects for DCI and OPP, JPP switchgear buildings relay upgrade, DCI U4 switchgear replacement, DCI Electrical PM's, JPP upper thrust bearing RTD modification, OPP control switch replacement, TFO Sandblast building air compressor installation, DCI ventilation system modifications and equipment improvements, engineering analysis of power use and flow capabilities at JPP after unit rewinds, DMC subsidence mitigation project, the LBFO domestic well assessment and replacement of pump, purchase of the TFF unwatering pump, and data management and procedures for the Warren Act Contract wells.

Land Management Activity Summary:

This month (1) access permit was issued; Permit P2102011 was issued to Stanislaus Towing Service for Vehicle Recovery & Removal along the Delta-Mendota Canal right-of-way.

Continued working with Reclamation and Frontier on fiber line to be placed over WWW at Hwy 33, working with City of Patterson on replacement of Rogers Road bridge and also the Black Gulch Creek undercrossing modification, and working with Tracy Hills on the final approval of the water line crossing at MP15.10.

Safety Department

The Safety Department worked on the following items this month: JHA support for the crews, and COVID 19 related work. Purchasing of heavy equipment and vehicles for FY21, budget work for FY22. Scheduling of annual hearing tests. Orientation for new Safety Officer, Frank Ramos.

Work & Asset Management Department

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

EAM/Financial Software Replacement Project

- Several meetings and personalization sessions were held in July as part of the engagement phase. This phase includes walkthroughs of the Authority business processes and how to adapt/improve the process with the NetSuite functionality.

Contracts in Process

- TFF Unwatering Pump Replacement – contract awarded
- DMC Road Maintenance, Chipseal – contract executed
- Control Building Roof Recoat – drafting IFB

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
- Oracle WAM invoicing
- Janitorial cleaning & disinfecting per COVID-19 guidelines
- E-waste disposal
- Hazardous waste disposal

Information Technology Department

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

- Partial Install of new services/contracts with AT&T
 - Router and circuit installation phase 1 is complete
 - LBAO, Tracy, Sacramento
 - Installation phase 2 - Switched Ethernet On-Demand (ASEoD)
 - Installed and awaiting Software-Defined Wide Area Network (SDWAN)
 - Installation phase 3 - SDWAN
 - Configuration/programming by AT&T
 - Phase 4

- Go live of phase 2 & 3 TBD
- Phase 5
 - Port phone call paths to routers in phase 1
 - Two weekly status update calls with AT&T's different team members
- Negotiated new services/prices with Un-Wired (Dave Lakey, SLDMWA Lead)
 - Bandwidth increase will coincide with phase 4
- Netsuite upgrade planning meetings
- Netsuite online training, User and Administration
- Budget forecast
- Continuing support for our newly formed "Work at Home" users
- Relocated computer equipment for two offices (Tracy)
- Configured and installed equipment in two additional offices for new employees (Tracy)
- Relocated computer equipment and phones for three offices (LBAO).
- Configured and installed computer and phone equipment for new employee (LBAO)
- Repaired corrupt Alchemy database from backup and assisted in clean up and organization of files to bring back to current state
- Prepped two laptops for use by remote users with VPN
- Assist with FAC, WRC and BOD meetings with Zoom
- Acquired quotes for two new positions recently filled. (SCADA Technician)(Electric Project Specialist)
- Desktop support calls

Human Resources Department

General Administrative Activities:

- New Hires
 - SCADA Technician, Savan Rith
 - Civil Engineer, Jacob Bejarano
 - Safety Officer, Rufino "Frank" Ramos
 - Accounting Tech I, Amy Oliveira
 - Accounting Tech III, Albert Del Real
 - CMMS Data Analyst (part-time), Julie Bowers
- Recruitments:
 - Mechanical Engineer (currently recruiting)
 - Electrician (currently recruiting)
 - C & I Technician (currently recruiting)
- RFP for Compensation Survey – completed, sent out to consultants
- Updates from all-staff for Disability self-identification
- Updates from all-staff for emergency contact information

Trainings/ Conferences:

- Laures continues with the Leadership Essentials course through the JPIA online at this time.
- On-going training with new HR Analyst II, Leslie Hunt
- Scheduling continues for Sexual Harassment Training for all staff as per law
- 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)

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: Talley Oil submitted the lowest, responsible bid, and was awarded the contract. The contract agreement has been executed, and site work is scheduled for the end of August. Talley Oil is the company who successfully completed the chipseal project in FY20.

Bridge Abutment Repair at MP 92.73

Status: No Activity this month.

DMC Subsidence Mitigation

Status: Reclamation provided an update on their activities associated with this project. The HEC-RAS model has been completed. The information produced from the model 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. Reclamation is also working on the addition of two pumps at the Intertie Pumping Plant. Two 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. Reclamation is currently working on the contract documents for the installation of the government furnished pumps, motors and valves. The anticipated installation dates of the government furnished items is April, 2021.

DMC Flowmeter Upgrade Program

Status: Contract preparations are ongoing. Board approval to sole source the purchase of the meters is being pursued at the September board meeting.

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

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

Status: USBR Denver Office engineering staff continues to work on the design of the static system. 60% Design expected from USBR TSC in September

JPP Unit No. 2 Rewind

Status: JPP Unit No. 2 rewind work was completed on time and on schedule. Performance testing of the unit was completed in June. Reclamation is currently reviewing the test data and will provide comments to final report in early August.

JPP Unit No. 5 Rewind

Status: Work on Unit 5 started on June 15th as scheduled and project is currently tracking on time. National Electric Coil (NEC) is on site. Initial centerline and circularity readings have been taken to determine how far to move the stator frame. NEC is currently doing teardown of the old stator. JPP crews are supporting as needed.

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.

EXTRAORDINARY O&M & CAPITAL PROJECTS

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 Value Planning Study has been performed and a draft of the report is being developed. Several alternatives were studied, and SLDMWA will be drafting a letter to Reclamation that details the preferred option.

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

Status: The survey was completed in June. Follow-up engineering support has been provided to Jeff Redmon (Reclamation, TSC). Completion of periodic reviews expected in October.

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement (2000158)

Status: No activity this month.

TFO Control Building Foam Roof Re-Coating (2100997)

Status: Preparing technical specifications and bid package.



San Luis & Delta-Mendota Water Authority
OPERATIONS SUMMARY

NOTE: ALL FIGURES ARE IN ACRE FEET

	June-2020	June-2019
JONES PUMPING PLANT - PUMPED	153,776	226,189
DCI PLANT - PUMPED	1,427	21,415
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	16,895	130,941
O'NEILL P/G PLANT - GENERATED	17,667	5
DMC DELIVERIES	41,600	44,047
RIVER/WELL/RECYCLE WATER INTO DMC	9,318	3,612
MENDOTA POOL DELIVERIES	112,177	126,916
SHASTA RESERVOIR STORAGE	3,147,200	4,355,400
SAN LUIS RESERVOIR STORAGE	1,069,908	1,491,534
* FEDERAL SHARE	274,969	712,999

	June-2020	June-2019
*SAN LUIS UNIT DELIVERIES	99,173	18,169
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	11,244	10,919

Jones Pumping Plant monthly average = 2,584 cfs

*June 2019 figure does not include Westlands Water District



San Luis & Delta-Mendota Water Authority
Monthly Deliveries
June 2020

To: Adam Hoffman; Erma Leal; Gabe Mora; Katrina Buelna; Liz Kiteck; Mark Rhodes; Marta Rivas; Melody Hernandez; 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: 7/20/2020

<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)
Total Pumped @ Jones Pumping Plant	153,776			
Total Pumped @ DCI	(1,427)			
Total Reversed @ DCI	0			
City of Tracy		0	979	979
Byron Bethany I.D.		909	2	911
West Side I.D.		0	0	0
Banta Carbona I.D.		0	0	0
West Stanislaus I.D.		1,281	0	1,281
Patterson I.D.		0	0	0
Del Puerto W.D.		8,792	0	8,792
Central California I.D. - above check #13		2,450	0	2,450
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		0	0	0
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		0	0	0
Total Pumped @ O'Neill PP	(16,895)			
Total Generated @ O'Neill PP	17,667			
Central California I.D. - below check #13		18,239	0	18,239
Grasslands W.D. (76.05-L)		2,663	0	2,663
Fish & Game Los Banos Refuge (76.05-L)		248	0	248
Fish & Wildlife Kesterson (76.05-L)		0	0	0
Freitas Unit (76.05-L)		0	0	0
Salt Slough Unit (76.05-L)		467	0	467
China Island (76.05-L)		197	0	197
San Luis W.D. - below check #13		1,212	1	1,213
Panoche W.D.		749	2	751
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.)		3,345	0	3,345
River and Groundwater well pump-in	6,998			
North Valley Regional Recycled Water Program	2,320			
Change in Canal Storage	(279)			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	162,115			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(41,600)	40,616	984	41,600
Theoretical DMC Delivery to Mendota Pool	120,515			
Total Estimated DMC Delivery to MP (determined at Check 20)	108,299			
Estimated (Loss) or Gain in DMC	(12,216)			
Estimated % Loss or Gain in DMC	-7.14%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
June 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	108,299			
Mendota Pool Groundwater Well Pump-In	4,617			
(+)SJRR Releases into Mendota Pool	4,083			
(+) San Joaquin Flood 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)		61,305	0	61,305
Columbia Canal Company (CCC)		6,133	0	6,133
Firebaugh Canal Water District (FCWD)		4,446	0	4,446
San Luis Canal Company (SLCC)		19,437	0	19,437
<u>Refuge:</u>				
Conveyance Losses		0	0	0
Calif Dept of F/G-LB Unit (CCID)		83	0	83
Calif Dept of F/G-LB Unit (SLCC)		0	0	0
Calif Dept of F/G-Salt Slough Unit (CCID)		156	0	156
Calif Dept of F/G-China Island Unit (CCID)		65	0	65
US Fish & Wildlife-San Luis Refuge (SLCC)		1,550	0	1,550
US Fish & Wildlife-Freitas (CCID)		0	0	0
US Fish & Wildlife-Kesterson (CCID)		0	0	0
Grasslands WD (CCID)		888	0	888
Grasslands WD (SLCC)		534	0	534
Grasslands (Private)		0	0	0
San Luis WD Conveyance (CCID)		105	0	105
Del Puerto WD Conveyance (CCID)		40	0	40
<u>San Joaquin River Restoration:</u>				
SJRR		4,096	0	4,096
<u>Other: (see MP Operations Report)</u>		13,339	0	13,339
<i>Total Available Water in Mendota Pool</i>	116,999			
TOTAL DELIVERY FROM MENDOTA POOL	(112,177)	112,177	0	112,177
*Estimated (Loss) or Gain in Mendota Pool	(4,822)			
*Estimated % Loss or Gain in Mendota Pool	-4.12%			
Total System Delivery	(153,777)			
*Total Estimated System (Loss) or Gain	(17,038)			
*Total Estimated % System Loss or Gain	-9.12%			

Special Notes: Extra water sent into the Mendota Pool to raise elevation for operational needs.



Jones Pumping Plant
June - 2020

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	1	CONTINUOUSLY	899
2	1	CONTINUOUSLY	918
3	1 to 2	0001	1827
4	2 to 3	0001	2620
5	3	CONTINUOUSLY	2361
6	3 to 4	0001	3427
7	4 to 3	0001	2671
8	3	CONTINUOUSLY	2670
9	3	CONTINUOUSLY	2672
10	3	CONTINUOUSLY	2677
11	3	CONTINUOUSLY	2659
12	3	CONTINUOUSLY	2693
13	3	CONTINUOUSLY	2703
14	3	CONTINUOUSLY	2701
15	3	CONTINUOUSLY	2709
16	3	CONTINUOUSLY	2705
17	3	CONTINUOUSLY	2800
18	3	CONTINUOUSLY	2797
19	3 to 4	0001	3499
20	4	CONTINUOUSLY	3504
21	4	CONTINUOUSLY	3504
22	4 to 3	0001	2746
23	3	CONTINUOUSLY	2747
24	3	CONTINUOUSLY	2744
25	3	CONTINUOUSLY	2738
26	3 to 2	0001	1840
27	2	CONTINUOUSLY	1838
28	2 to 3	0001	2738
29	3	CONTINUOUSLY	2550
30	3	CONTINUOUSLY	2573
31			
AVG CFS for the month			2584



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

June 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 Buelna; 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: 7/21/20

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	130	130	1	0	BBID	0	0	0	0
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	1,624	1,883	1	0	BBID	259	(13)	246	246
20.42-L	20,435,852	21,561,990	1	0	BCID	3,000	(150)	2,850	7,600
20.42-L	20,435,852	21,561,990	1	0	USBR/FWA	456	0	456	1,030
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	1,781	1,807	1.04	0	DPWD	27	(1)	26	44
29.95-R	973	1,004	0.87	0	DPWD	27	(1)	26	50
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	46,914	48,161	1	0	WSTAN	1,247	(62)	1,185	1,292
31.31-L2	46,914	48,161	1	0	DPWD	0	0	0	0
31.31-L3	46,914	48,161	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	5,201,008	5,257,532	1	0	PID	600	(30)	570	4,541
42.53-L	5,201,008	5,257,532	1	0	DPWD	0	0	0	0
42.53-L	5,201,008	5,257,532	1	0	USBR/FWA	698	0	698	2,281
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	1,148	1,392	0.95	0	SLWD	232	(12)	220	459
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	1,437	1,533	1.02	0	SLWD	98	(5)	93	345
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	307	307	1	0	DPWD	0	0	0	1
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
UPPER DMC SUB TOTAL								6,370	17,889



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

June 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	4,680	4,820	0.91	0	SLWD	127	(6)	121	187
79.13-L	2,351	2,418	1	0	SLWD	67	(3)	64	114
79.13-R	4,477	4,523	1.08	0	SLWD	50	(3)	47	110
79.60-L	9,060	9,287	0.84	0	SLWD	191	(10)	181	552
80.03-L	143	243	0.94	0	SLWD	94	(5)	89	142
80.03-R	638	638	1.05	0	SLWD	0	0	0	0
98.60-R	10,794	10,797	1	(3)	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	1,105	1,238	1	0	WIDREN WD	133	(7)	126	225
LOWER DMC SUB TOTAL								628	1,330
WARREN ACT CONTRACT CREDIT TOTAL								6,998	19,219
TOTAL GROSS PUMP-IN								CREDIT	
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)						259		246	246
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)						0		0	0
TOTAL (DEL PUERTO WATER DISTRICT)						54		52	95
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)						0		0	0
TOTAL (PATTERSON IRRIGATION DISTRICT)						600		570	4,541
TOTAL (SAN LUIS WATER DISTRICT)						859		815	1,909
TOTAL (PANOCH/MS WATER DISTRICT)						0		0	0
TOTAL (MERCY SPRINGS WATER DISTRICT)						0		0	0
TOTAL (WIDREN WATER DISTRICT)						133		126	225
Other Warren Act Conveyance Credit Totals									
Del Puerto Water District:						0		0	0
Banta Carbona Irrigation District:						3,000		2,850	7,600
West Stanislaus Irrigation District:						1,247		1,185	1,292
Byron Bethany Irrigation District:						0		0	0
Patterson Irrigation District:						0		0	0
San Joaquin River Restoration Pump Back BCID:						456		456	1,030
San Joaquin River Restoration Pump Back PID:						698		698	2,281

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



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

Date: 7/20/2020

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FCWD	0	92	0	0	0	0							92
CCID	0	0	0	0	0	0							0
FRESNO SLOUGH	0	106	19	38	105	262							530
TPUD	0	24	0	0	24	26							74
JAMES I.D.	18	3,990	60	51	391	3,874							8,384
MEYERS	634	847	25	43	118	164							1,831
M.L. DUDLEY & INDART ₁	49	173	251	167	204	304							1,148
MID VALLEY* (Kings River)	0	0	0	0	0	0							0
REC. DIST. 1606	0	88	28	0	71	164							351
STATE FISH & WILDLIFE	1,217	1,524	349	515	266	993							4,864
TRACTION	716	645	197	518	101	842							3,019
UNMETERED	75	90	20	100	20	110							415
Total	2,008	2,259	566	1,133	387	1,945	0	0	0	0	0	0	8,298
COELHO FAMILY TRUST ₂	33	365	247	462	952	1,548							3,607
TRANQUILITY I.D.	0	2,103	1,142	1,522	3,319	4,875							12,961
WESTLANDS LATERAL-6	0	0	0	0	0	0							0
WESTLANDS LATERAL-7	0	0	0	0	0	73							73
CARVALHO TRUST	0	26	36	55	98	104							319
TOTAL	2,742	10,073	2,374	3,471	5,669	13,339	0	0	0	0	0	0	37,668

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

[illegible]

Duck Clubs (Percent Full)

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



Date: 7/20/2020

2 aka COELHO-GARDNER-HANSEN

[illegible]

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

JUNE 2020

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 11246			Parks & Rec. @ San Luis Reservoir	2
			Santa Clara Valley Water District	9270
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	1974
R3 1014	13		DFG @ O'Neill Forebay	40
	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	974
R4 30639	14		City of Dos Palos	210
	14		Pacheco Water District	1118
	14		San Luis Water District	7824
	14		Panoche Water District	54
	15		San Luis Water District	3079
	15		Panoche Water District	6045
	15		Westlands Water District	12309
R5 41199	16		DFG @ Lat. 4L (Pilibos)	81
	16		DFG @ Lat. 4L	0
	16		DFG @ Lat. 6L	0
	16		DFG @ Lat. 7L	0
	16		Westlands Water District	14148
	17		Westlands Water District	7381
	18		City of Coalinga	685
	18		Pleasant Valley Pumping Plant	9559
	18		Westlands Water District	9345
R6 17300	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	2
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 29L & 30L	285
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	17013
10568	20		City of Huron @ Lat. 23R	95
	20		Kings County thru WWD 31L,32L,33L,34L,35L,36L	0
	20		Westlands Water District	7146
	21		City of Avenal	234
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	3093
111966	0		<---TOTALS--->	111966
TOTALS BY CUSTOMERS				
			Pacheco Water District	1118
			San Luis Water District	11877
			Panoche Water District	6099
			Westlands Water District	79994
			AltaGas	0
			City of Huron @ LAT. 23R	95
			City of Huron (P&R/Area 11 @ 22R)	2
			Lemoore N.A.S. thru WWD @ 29L & 30L	285
			Kings County thru WWD Laterals in Pools 19 - 21	0
			City of Avenal	234
			City of Dos Palos	210
			City of Coalinga	685
			DFG @ O'Neill Forebay	40
			Pacheco Tunnel	11244
			DFG @ Lateral 4L & 6L & 7L	81
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	2
			0 AF for DWR Water Truck at O'Neill, 0 AF for Cattle Program @ O'Neill Reservoir	0
			Customers Total:	111966
Pool 12 - Reach 2B VA Turnout Use AF = 44				
DWR 3137(Rev.9/15)				112010



Monthly Availability Report

CW "Bill" Jones Pumping Plant

June - 2020

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts Pump	Comments
Unit-1	720	0.0	0.00%	0.0	0.00%	100.00%	4	
Unit-2	720	332.4	46.17%	0.0	0.00%	53.83%	9	ANNUAL MAINT. & REWIND
Unit-3	720	9.5	1.32%	282.3	39.21%	59.47%	3	MTR HOUSING AIR RET. HIGH TEMP/AIR COOLER R&R
Unit-4	720	0.0	0.00%	0.0	0.00%	100.00%	4	
Unit-5	720	374.8	52.06%	0.0	0.00%	47.94%	4	ANNUAL MAINT. & REWIND
Unit-6	720	0.0	0.00%	11.4	1.58%	98.42%	8	DC POWER LOSS/PUMP BRG OIL LINE LEAK
Total	4320	716.7	17%	293.7	6.80%	76.20%	32	

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

June - 2020

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	720	54.1	7.51%	0.0	0.00%	92.49%	1	1	USBR ELECTRICAL EQUIPMENT INSPECTION ON KWIA
Unit-2	720	54.1	7.51%	0.0	0.00%	92.49%	1	2	USBR ELECTRICAL EQUIPMENT INSPECTION ON KWIA
Unit-3	720	54.1	7.51%	0.0	0.00%	92.49%	3	1	USBR ELECTRICAL EQUIPMENT INSPECTION ON KWIA
Unit-4	720	54.1	7.51%	0.0	0.00%	92.49%	2	2	USBR ELECTRICAL EQUIPMENT INSPECTION ON KWIA
Unit-5	720	94.5	13.13%	0.0	0.00%	86.87%	1	3	USBR ELECTRICAL EQUIPMENT INSPECTION ON KWIA/AM
Unit-6	720	554.8	77.06%	0.0	0.00%	22.94%	0	1	ANNUAL MAINT.
Total	4320	865.7	20%	0.0	0.00%	80.00%	8	10	

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

June - 2020

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%	1	
Unit-5	720	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-6	720	0.0	0.00%	0.0	0.00%	100.00%	1	
Total	2880	0.0	0%	0.0	0.00%	100.00%	4	

Notes:

(1) Planned maintenance

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