



August 8, 2019

To: Frances Mizuno, Assistant Executive Director

From: Paul Stearns, O&M Manager

Subject: O&M Report for July, 2019

### **Operations Department**

The C.W. "Bill" Jones Pumping Plant (JPP) pumped at five units the majority of the month of July. Pumping was decreased on nine days in July due to vegetation inundating the trash racks and louver issues at the Tracy Fish Collection Facility (TFCF) resulting in approximately 6000 acre-feet of lost pumping. On July 4<sup>th</sup>, all 5 units at the JPP tripped due to a fault across the insulators on WAPA's 70kV disconnect 621. Four units were restored on the evening of the 4<sup>th</sup> and the last one restored on July 7<sup>th</sup> after verification the unit was not damaged. Approximately 800 acre-feet in pumping was lost during the time of this outage.

As of July 30<sup>th</sup>, pumping at the JPP was 247,299 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 61,177 acre-feet and generated 1,153 acre-feet. The Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) pumped 14,634 acre-feet during full pumping at the JPP 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 30<sup>th</sup> was 583,893 acre-feet as compared to 367,434 acre-feet on July 30<sup>th</sup>, 2018.

Releases from Friant Dam decreased throughout the month of July with releases ranging from 1,650 cfs to 340 cfs and flows of 1,150-120 cfs entering the Mendota Pool. Flows of 110-200 cfs were released passed Mendota Dam for the San Joaquin River Restoration Program (SJRRP)

During the month of July, Canal Operations staff members performed open channel and closed-pipe flow measurements, routine patrols including Mendota Pool levee patrols, bi-weekly meter readings, well soundings, meter maintenance, and hydrography training for the new Tracy Hydrotech II.

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

- Jones Pumping Plant 100 Ton Crane: Cable Replacement
- DCI Units 2: KWH indication correction
- Jones Unit 3: Motor inspection following false 87 trip event caused during WAPA's failure of DISC 621

## **Civil Maintenance Department**

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

- Drained, inspected, and cleaned Tracy compound industrial water settling basin
- Silt removal from DMC pump sumps
- Pot hole repair on DMC operating road
- Wasteway inspections
- Assist with Tracy Sandblast & Paint Building cartridge filter replacement
- Assist with O'Neill Unit 4 tear-down
- Haul O'Neill Unit 4 pump case components to contractor staging area
- Prep contractor staging area for JPP unit rewinds (place and compact gravel)
- Chemical and mechanical weed control
- Grading of DMC and San Luis Drain (SLD) operating roads
- Continued fabricating and installing guard rails on top of DMC meter wells per Cal-OSHA requirements
- Placed aggregate base to Ward Road observation wells
- Assist with drive chain adjustment on the trash conveyor at the TFCF
- Continued installing stairs to DMC turnout gates and meters
- Maintenance and repairs to float lines, signs, fences, and gates
- Rodent control on DMC and Wasteways

## **Plant Maintenance Department**

Electrical/C&I/SCADA Staff:

- Continued JPP Unit 5 annual maintenance; removed and transported armature to outside electrical contractor for cleaning, recoating, and baking due to low resistance readings
- Insulation resistance checks on JPP Unit 3 stator due to WAPA disconnect failure that caused a differential relay and CO2 release in the motor housing
- Investigate DCI Unit 5 loss of SCADA/remote control
- Continued with lower DMC Programmable Logic Controller (PLC) upgrade replacement
- Assist mechanics with coupling replacement on DMC Check 6, gate #2
- Installed communication equipment (UnWired) for SCADA control to and from O'Neill and Lower DMC
- Infrared inspections
- HVAC inspections and repairs

Mechanical Staff:

- Completed JPP Unit 5 annual maintenance
- Continued rehabilitation of O'Neill Unit 4 main unit and penstock; unit disassembled
- Repaired USBR Tracy office water supply regulator
- Replaced failed motor/gear box coupling at DMC Check 6, gate #2
- Continued fabrication of coupling bolts and components for O'Neill Unit 4 rehabilitation
- Repaired oil line on TFCF trash rake
- Assist crane contractor with JPP 80-ton hook tests
- Investigate booster pump vapor lock issue on Tracy domestic water hydro-pneumatic tank
- Prep work for JPP Unit 2 pre-tear down alignment (stator rewind)
- Machined JPP Unit 5 slip rings

## **Engineering and Planning Department**

The Engineering & Planning Department staff worked on the following projects this month: Rehabilitate OPP Unit 4 penstock and pump assembly projects, DMC O&M road repair project, DMC O&M road chipseal project, JPP Unit 2 rewind project, Tracy Administration and Civil Maintenance building flooring replacement, DMC subsidence mitigation project, replacement of the 10' radial gate on the Volta Wasteway, SLDMWA maintenance labor analysis, OPP main transformer bushing replacement, OPP main transformers replacement, OPP unit condition inspection, JPP switchgear relay troubleshooting, and also drawing and website management activities. Planning support was provided for civil, mechanical & electrical maintenance activities.

### **Land Management Activity Summary:**

A total of (2) access permits were issued this month. Permit P2002014 was issued to Del Puerto Water District to enter the Delta-Mendota Canal right-of-way in order to have PG&E inspect the utility pole servicing the turnout at located at MP58.26L. An amendment to Permit P1902015 issued to Byron-Bethany Irrigation District (Temporary turnout at DMC MP7.67L) to extend the original expiration date to December 31, 2019.

Continued working with developers for construction at Corral Hollow Rd bridge to support Tracy Hills development. Attended on site kick off meeting at Rogers Road for bridge replacement project. Provided information to Prologis on Reclamation procedures for developing adjacent and over the canal.

## **Safety Department**

One accident investigation, management training on EAP and IIPP, ergonomic work at LBAO and LBFO, budget work on FY21 budget, took delivery of new motor grader and new vehicles, vehicle disposal auction preps, JHA's, training on new aerial lift for DCI, supported sand filter replacement job, JPP control and excitation replacement project.

## **HR Department**

### **General Administrative Activities:**

- Recruitment:
  - COO Position continues through August 9<sup>th</sup>
  - Heavy Equipment Operator, Tracy until August 2<sup>nd</sup>
- Employee handbook rollout: in progress
- Retirement Health Savings Q&A Sessions held by ICMA in Los Banos and Tracy
- On-going Sexual Harassment Training scheduling for all staff
- Supervisor Staff Meeting
  - IIPP Training
  - Safety Training

### **Government Reporting:**

- Continuing to coordinate with consultant on finalizing Great Plains (GP) reporting mechanisms to move these reports from an Access database to the GP HR module.

### **Ongoing:**

- FMLA notices/follow ups
- COBRA notices/follow ups

- Monthly Safety Scratcher distribution
- Health benefits eligibility/employee assistance
- Maintain OSHA logs for 2019 calendar year
- Wellness program

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

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

#### ***DMC O&M Road Maintenance Program – Phase 8 & 9 (MP 39.21 to 62.09) (1900478)***

Status: Contractor: Talley Oil. Received and approved all submittals. Work is scheduled for the week of August 26 and is scheduled to last 7 days.

#### ***DMC O&M Road Repair – (MP 102.04 to 110.85) (1900469)***

Status: Awarded contract to Pavement Recycling. During investigations for the mix design, the Contractor found high amounts of clay in areas and it was determined that a full geotechnical investigation was required to ensure a proper mix design is followed. This will be performed with a change order. Work is scheduled for the week of August 12.

#### ***DMC Subsidence Mitigation***

Status: The USBR has completed all work associated with the bathymetric survey and the data set has been provided to the USBR Denver Office. The SLDMWA and USBR have developed the project scope and began preparing cost estimates for the repair/replacement work on the DMC. The appraisal level project cost estimate is planned to be completed in late-August. The LIDAR survey contract advertisement began this month and an expected award is for mid-August. The bathymetric and LIDAR survey data sets will be imported into the HEC/RAS model to determine the actual capacity of the DMC.

### ***C.W. “BILL” JONES PUMPING PLANT (JPP)***

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

Status: No activity this month. Reclamation is preparing the final report from the Value Engineering Study that was completed on June 28, 2019.

#### ***JPP Unit No. 2 Rewind***

Status: Four contractors submitted proposals for the JPP Units 1-5 Rewind Project. The contractors were National Electric Coil, Voith Hydro, ABB and Andritz. After evaluations of all the proposals per the criteria in the RFP, the Technical Proposal Evaluation Committee consisting of SLDMWA and USBR staff, selected National Electric Coil for the project. SLDMWA has issued a Notice of Intent to Award letter. The outage for the first unit (Unit No. 2) is scheduled to begin in August 19<sup>th</sup>.

#### ***JPP/OPP/DCI Fire Protection Systems Assessment***

Status: No activity this month.

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

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

Status: No activity this month.

#### ***Rehabilitate Pump Assemblies Unit No. 4 (1900462)***

Status: Pre-teardown data was recorded with the help of USBR Engineer, Derek Hurelle. OPP crew completely disassembled the unit. Enclosure tube fabrication is tracking on time. Shaft straightness check contract is being drafted. Various contracts are work-in-progress for the required services to complete unit no. 4 rehabilitation.

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

### **Rehabilitate Penstock Interiors - Unit No. 4 (1800461)**

Status: Project was publically advertised, bid opening occurred on 7/24. Three bids were received; the apparent low bidder is F.D. at \$530K. F.D. Thomas received excellent references, and we have begun the process to award the contract to them. Mobilization is tentatively scheduled for August 26.

### **Main Transformers Condition Assessment**

Status: The "A" phase high voltage bushing replacement is planned for September 2019. The outage request for Sept. 10-12 has been sent and approved by WAPA. USBR's offices have been informed of the schedule for bushing replacement. The USBR technicians that assisted with the installation of the "B" and "C" phase bushing may not be available due to their annual maintenance activities. As a backup, we have solicited quotes for bushing and transformer electrical services from qualified vendors (ABB and RESA).

### **LOS BANOS FIELD OFFICE (LBFO)**

#### **LBFO Parking Lot Seal Coat and Striping (1900480)**

Status: Project complete.

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

#### **TFO Domestic Water Treatment Plant Replacement (2000158)**

Status: No activity this month.



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

*NOTE: ALL FIGURES ARE IN ACRE FEET*

	<b>June-2019</b>	<b>June-2018</b>
JONES PUMPING PLANT - PUMPED	226,189	161,056
DCI PLANT - PUMPED	21,415	15,632
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	130,941	24,387
O'NEILL P/G PLANT - GENERATED	5	20,965
DMC DELIVERIES	44,047	46,947
RIVER/WELL/RECYCLE WATER INTO DMC	3,612	6,537
MENDOTA POOL DELIVERIES	126,916	129,336
SHASTA RESERVOIR STORAGE	4,355,400	3,641,800
SAN LUIS RESERVOIR STORAGE	1,491,534	1,206,244
* FEDERAL SHARE	712,999	516,750

	<b>June-2019</b>	<b>June-2018</b>
SAN LUIS UNIT DELIVERIES	18,169	17,168
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	10,919	12,385

Jones Pumping Plant monthly average = 3,801 cfs



**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
June 2019**

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: 7/16/19

Revision Date: 7/18/19

District/Other	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
<b>Total Pumped @ Jones Pumping Plant</b>	<b>226,186</b>			
<b>Total Pumped @ DCI</b>	<b>(21,415)</b>			
<b>Total Reversed @ DCI</b>	<b>0</b>			
City of Tracy		0	1,210	1,210
Byron Bethany I.D.		891	78	969
West Side I.D.		0	0	0
Banta Carbona I.D.		0	0	0
West Stanislaus I.D.		0	0	0
Patterson I.D.		0	0	0
Del Puerto W.D.		9,821	0	9,821
Central California I.D. - above check #13		1,827	0	1,827
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)		119	0	119
<b>Total Pumped @ O'Neill PP</b>	<b>(130,941)</b>			
<b>Total Generated @ O'Neill PP</b>	<b>5</b>			
Central California I.D. - below check #13		18,509	0	18,509
Grasslands W.D. (76.05-L)		3,545	0	3,545
Fish & Game Los Banos Refuge (76.05-L)		488	0	488
Fish & Wildlife Kesterson (76.05-L)		58	0	58
Freitas Unit (76.05-L)		202	0	202
Salt Slough Unit (76.05-L)		599	0	599
China Island (76.05-L)		89	0	89
San Luis W.D. - below check #13		1,269	0	1,269
Panoche W.D.		2,898	2	2,900
Eagle Field W.D.		584	0	584
Oro Loma W.D.		42	0	42
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		1,816	0	1,816
River and Groundwater well pump-in	2,384			
North Valley Regional Recycled Water Program	1,228			
Change in Canal Storage	(469)			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	76,933			
<b>TOTAL DELIVERY FROM DELTA-MENDOTA CANAL</b>	<b>(44,047)</b>	<b>42,757</b>	<b>1,290</b>	<b>44,047</b>
Theoretical DMC Delivery to Mendota Pool	32,886			
Total Estimated DMC Delivery to MP (determined at Check 20)	24,595			
Estimated (Loss) or Gain in DMC	(8,291)			
Estimated % Loss or Gain in DMC	-3.67%			





**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
June 2019**

<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	24,595			
Mendota Pool Groundwater Well Pump-In	755			
(+)SJRR Releases into Mendota Pool	0			
(+) San Joaquin Flood Releases into Mendota Pool	54,800			
(+)Kings River Flood Releases into the Mendota Pool	89,240			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		64,449	0	64,449
Columbia Canal Company (CCC)		6,720	0	6,720
Firebaugh Canal Water District (FCWD)		6,170	0	6,170
San Luis Canal Company (SLCC)		22,459	0	22,459
<u>Refuge:</u>				
Conveyance Losses		0	0	0
Calif Dept of F/G-LB Unit (CCID)		162	0	162
Calif Dept of F/G-LB Unit (SLCC)		30	0	30
Calif Dept of F/G-Salt Slough Unit (CCID)		200	0	200
Calif Dept of F/G-China Island Unit (CCID)		30	0	30
US Fish & Wildlife-San Luis Refuge (SLCC)		2,500	0	2,500
US Fish & Wildlife-Freitas (CCID)		67	0	67
US Fish & Wildlife-Kesterson (CCID)		19	0	19
Grasslands WD (CCID)		947	0	947
Grasslands WD (SLCC)		410	0	410
Grasslands (Private)		235	0	235
San Luis WD Conveyance (CCID)		81	0	81
Del Puerto WD Conveyance (CCID)		15	0	15
<u>San Joaquin River Restoration:</u>				
SJRR		5,058	0	5,058
<i>Other: (see MP Operations Report)</i>		17,364	0	17,364
<i>Total Available Water in Mendota Pool</i>	169,390			
<b>TOTAL DELIVERY FROM MENDOTA POOL</b>	<b>(126,916)</b>	<b>126,916</b>	<b>0</b>	<b>126,916</b>
*Estimated (Loss) or Gain in Mendota Pool	(42,474)			
*Estimated % Loss or Gain in Mendota Pool	-25.07%			
Total System Delivery	(170,963)			
<b>*Total Estimated System (Loss) or Gain</b>	<b>(50,765)</b>			
<b>*Total Estimated % System Loss or Gain</b>	<b>-22.18%</b>			

Special Notes: The system loss was due to the majority amount of floodwater(KRW) that was passed below the dam.



Jones Pumping Plant  
June - 2019

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	5	CONTINUOUSLY	4311
2	5	CONTINUOUSLY	4290
3	5	CONTINUOUSLY	4201
4	5	CONTINUOUSLY	4270
5	5	CONTINUOUSLY	4378
6	5	CONTINUOUSLY	4382
7	5	CONTINUOUSLY	4375
8	5	CONTINUOUSLY	4364
9	5	CONTINUOUSLY	4352
10	5	CONTINUOUSLY	4259
11	5 to 2	0001	1737
12	2	CONTINUOUSLY	1613
13	2 to 5	0001	4370
14	5	CONTINUOUSLY	4377
15	5	CONTINUOUSLY	4369
16	5	CONTINUOUSLY	4365
17	5	CONTINUOUSLY	4363
18	5 to 2	0001	1636
19	2	CONTINUOUSLY	1632
20	2	CONTINUOUSLY	1868
21	2 to 3	0001	2497
22	3 to 4	0001	3200
23	4 to 5	0001	4370
24	5	CONTINUOUSLY	4374
25	5	CONTINUOUSLY	4364
26	5	CONTINUOUSLY	4354
27	5	CONTINUOUSLY	4346
28	5	CONTINUOUSLY	4353
29	5	CONTINUOUSLY	4355
30	5	CONTINUOUSLY	4310
31			
<b>AVG CFS for the month</b>			<b>3801</b>



**NON-PROJECT WATER CREDITS REPORT**  
 (ALL FIGURES IN ACRE FEET)  
 June 2019 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: 7/16/19

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	1,604	1,604	1	0	BBID	0	0	0	0
20.42-L	17,463,742	18,281,626	1	0	BCID	2,510	(126)	2,384	8,929
20.42-L	17,463,742	18,281,626	1	0	USB/FWA	0	0	0	0
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	1,763	1,763	1.04	0	DPWD	0	0	0	0
29.95-R	944	944	0.87	0	DPWD	0	0	0	0
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	1,915	1,915	1.03	0	DPWD	0	0	0	0
31.31-L1	46,779	46,781	1	(2)	WSTAN	0	0	0	0
31.31-L2	46,779	46,781	1	0	DPWD	0	0	0	0
31.31-L3	46,779	46,781	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	1,793	1,793	0.86	0	DPWD	0	0	0	0
33.71-L	748	748	0.94	0	DPWD	0	0	0	0
36.80-L	1,842	1,843	1	(1)	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	4,495,848	4,495,873	1	(1)	PID	0	0	0	1,200
42.53-L	4,495,848	4,495,873	1	0	DPWD	0	0	0	0
42.53-L	4,495,848	4,495,873	1	0	USB/FWA	0	0	0	0
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	870	870	0.95	0	SLWD	0	0	0	0
50.46-L	4,108	4,108	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	1,177	1,177	1.02	0	SLWD	0	0	0	0
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	306	306	1	0	DPWD	0	0	0	0
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
<b>UPPER DMC SUB TOTAL</b>								<b>2,384</b>	<b>10,129</b>



**NON-PROJECT WATER CREDITS REPORT**

(ALL FIGURES IN ACRE FEET)

June 2019 WA Credits

<b>CREDITS UNDER WARREN ACT CONTRACTS</b>									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
78.31-L	4,469	4,469	1.08	0	SLWD	0	0	0	0
79.12-R	1,805	1,805	0.91	0	SLWD	0	0	0	0
79.13-L	2,286	2,286	1	0	SLWD	0	0	0	0
79.13-R	4,415	4,415	1.08	0	SLWD	0	0	0	0
79.60-L	8,582	8,582	0.84	0	SLWD	0	0	0	0
80.03-L	60	060	0.94	0	SLWD	0	0	0	0
80.03-R	638	638	1.05	0	SLWD	0	0	0	0
98.60-R	10,789	10,789	1	0	PANOCHÉ/MS	0	0	0	0
98.74-L	5,695	5,695	1.14	0	PANOCHÉ/MS	0	0	0	0
99.24-L	10,493	10,493	0.92	0	PANOCHÉ/MS	0	0	0	0
100.70-L	6,211	6,211	1	0	PANOCHÉ/MS	0	0	0	0
102.04-R	1,000	1,000	1	0	WIDREN WD	0	0	0	0
<b>LOWER DMC SUB TOTAL</b>								<b>0</b>	<b>0</b>
<b>WARREN ACT CONTRACT CREDIT TOTAL</b>								<b>2,384</b>	<b>10,129</b>
<b>TOTAL GROSS PUMP-IN</b>								<b>CREDIT</b>	
<b>TOTAL (BYRON BETHANY IRRIGATION DISTRICT)</b>						0		0	0
<b>TOTAL (BANTA CARBONA IRRIGATION DISTRICT)</b>						0		0	0
<b>TOTAL (DEL PUERTO WATER DISTRICT)</b>						0		0	0
<b>TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)</b>						0		0	0
<b>TOTAL (PATTERSON IRRIGATION DISTRICT)</b>						0		0	1,200
<b>TOTAL (SAN LUIS WATER DISTRICT)</b>						0		0	0
<b>TOTAL (PANOCHÉ WATER DISTRICT)</b>						0		0	0
<b>TOTAL (MERCY SPRINGS WATER DISTRICT)</b>						0		0	0
<b>TOTAL (WIDREN WATER DISTRICT)</b>						0		0	0
<b>TOTAL (FIREBAUGH WATER DISTRICT)</b>						0		0	0
<b>Other Warren Act Conveyance Credit Totals</b>									
<b>Del Puerto Water District:</b>						0		0	0
<b>Banta Carbona Irrigation District:</b>						2,510		2,384	8,929
<b>West Stanislaus Irrigation District:</b>						0		0	0
<b>Byron Bethany Irrigation District:</b>						0		0	0
<b>Patterson Irrigation District:</b>						0		0	0
<b>San Joaquin River Restoration Pump Back BCID:</b>						0		0	0
<b>San Joaquin River Restoration Pump Back PID:</b>						0		0	0

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



**MENDOTA POOL OPERATIONS**  
**2019**  
 ALL FIGURES IN ACRE-FEET

To: Adam Hoffman; Bill Pipes; Cheryl Lassotovitch; 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; 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)

Date:7/16/19

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FCWD	0	0	0	0	0	0							0
CCID	0	0	0	0	0	0							0
FRESNO SLOUGH	69	222	219	224	181	282							1,197
TPUD	0	0	24	0	0	15							39
JAMES I.D.	0	1,105	0	5,666	5,083	3,045							14,899
MEYERS	777	1,280	812	1,073	889	897							5,728
M.L. DUDLEY & INDART 1	11	26	191	397	391	777							1,793
MID VALLEY* (Kings River)	0	0	0	0	369	952							1,321
REC. DIST. 1606	0	0	0	62	0	0							62
STATE FISH & WILDLIFE	1,498	804	549	400	682	512							4,445
TRACTION	743	356	494	425	609	581							3,208
UNMETERED	55	10	50	50	150	190							505
<b>Total</b>	<b>2,296</b>	<b>1,170</b>	<b>1,093</b>	<b>875</b>	<b>1,441</b>	<b>1,283</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,158</b>
COELHO FAMILY TRUST 2	33	79	348	699	629	1,128							2,916
TRANQUILITY I.D.	293	1,885	1,415	2,257	2,558	4,862							13,270
WESTLANDS LATERAL-6	0	0	0	192	46	189							427
WESTLANDS LATERAL-7	0	0	0	387	1,273	3,790							5,450
CARVALHO TRUST	9	9	36	94	102	144							394
<b>TOTAL</b>	<b>3,488</b>	<b>5,776</b>	<b>4,138</b>	<b>11,926</b>	<b>12,962</b>	<b>17,364</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>55,654</b>

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

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

**Article 215 Water**

Jan-19	_____
Feb-19	_____
Mar-19	Meyers WD <b>787</b> AF
Apr-19	_____
May-19	_____
Jun-19	_____
Jul-19	_____
Aug-19	_____
Sep-19	_____
Oct-19	_____
Nov-19	_____
Dec-19	_____

**Kings River Water**

Jan-19	_____
Feb-19	_____
Mar-19	TID 1073 AF
Apr-19	TID 1261 AF
May-19	JID 1298 AF, WWD 1319 AF, Meyers 242 AF MVWD 369 AF, TID 2558 AF, CGH 25 AF, TL 38 AF
Jun-19	JID 3045 AF, WWD 979 AF, Meyers 886 AF MVWD 952 AF, TID 3756 AF, CGH 597 AF, TL 799 AF
Jul-19	_____
Aug-19	_____
Sep-19	_____
Oct-19	_____
Nov-19	_____
Dec-19	_____

Duck Clubs (Percent Full)

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

Jan, 2019  
 DMC Inflow 19,736 AF  
 James Bypass Flows 0 AF

Feb, 2019  
 DMC Inflow 28,126 AF  
 James Bypass Flows 0 AF

Mar, 2019  
 DMC Inflow 22,485 AF  
 James Bypass Flows 179 AF

Apr, 2019  
 DMC Inflow 51,491 AF  
 James Bypass Flows 438 AF

May, 2019  
 DMC Inflow 48,745 AF  
 James Bypass Flows 44,458 AF

June, 2019  
 DMC Inflow 24,595 A.F  
 James Bypass Flows 89,240 AF

July, 2019  
 DMC Inflow AF  
 James Bypass Flows AF

Aug, 2019  
 DMC Inflow AF  
 James Bypass Flows AF

Sept, 2019  
 DMC Inflow AF  
 James Bypass Flows AF

Oct, 2019  
 DMC Inflow AF  
 James Bypass Flows AF

Nov, 2019  
 DMC Inflow AF  
 James Bypass Flows AF

Dec, 2019  
 DMC Inflow AF  
 James Bypass Flows AF



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

**JUNE 2019**

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 10919			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	9064
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	1855
R3 839	13		DFG @ O'Neill Forebay	94
	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	745
R4 36026	14		City of Dos Palos	138
	14		Pacheco Water District	1549
	14		San Luis Water District	7337
	14		Panoche Water District	52
	15		San Luis Water District	3193
	15		Panoche Water District	5107
	15		Westlands Water District	18650
R5 75354	16		DFG @ Lat. 4L (Pilibos)	0
	16		DFG @ Lat. 4L	0
	16		DFG @ Lat. 6L	0
	16		DFG @ Lat. 7L	0
	16	2714	Westlands Water District	22319
	17		Westlands Water District	18633
	18		City of Coalinga	1041
	18		Pleasant Valley Pumping Plant	13697
R6 33237	18		Westlands Water District	19664
	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	4
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 29L & 30L	212
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	33021
23076	20		City of Huron @ Lat. 23R	82
	20		Kings County thru WWD 31L,32L,33L,34L,35L,36L	0
	20		Westlands Water District	17365
	21		City of Avenal	211
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	5418
179451	2714		<---TOTALS--->	179451
<b>TOTALS BY CUSTOMERS</b>				
Inflow Into Aqueduct:				
2714 AF TOTAL Pump-In @ 7L Non-Project Water (Kings River Flood Flows)			Pacheco Water District	1549
2578 AF TOTAL Reported for Credit *For information only*			San Luis Water District	11275
			Panoche Water District	5159
			Westlands Water District	148767
			AltaGas	0
			City of Huron @ LAT. 23R	82
			City of Huron (P&R/Area 11 @ 22R)	4
			Lemoore N.A.S. thru WWD @ 29L & 30L	212
			Kings County thru WWD Laterals in Pools 19 - 21	0
			City of Avenal	211
			City of Dos Palos	138
			City of Coalinga	1041
			DFG @ O'Neill Forebay	94
			Pacheco Tunnel	10919
			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
			<b>Customers Total:</b>	<b>179451</b>
Pool 12 - Reach 2B VA Turnout Use AF = 91				
DWR 3137(Rev.9/15)				179542

San Luis & Delta Mendota Water Authority  
 2019 Volta Wasteway Deliveries

To: Erma Leal; Gabe Mora; Linda Colella; Joyce Machado; Marta Rivas; Melody Hernandez; Ken Swanson; Sonya Nechanicky; Stacey Smith; Tatiana Carrillo; Wes Harrison; Lara Sparks; Sean Allen

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

Date: 7/16/19

Month	Total Released at Volta WW	Grasslands Total	CA Dept. Fish & Wildlife (DFW)			Total Delivered	F&W Kesterson	Grasslands Charged	DFW Charged	Total Spill	Volta Wells Total Groundwater (L-2 & Inc. L-4 50/50 Split)	GWD 1 & 2		Kesterson Volta Wells Groundwater Level 2	DFW Volta Wells Groundwater Level 2
			Lift Pumps	Gravity	Total							Volta Wells Groundwater			
												Level 2	Inc. Level 4		
Mar-19	379	140	192	0	192	332	0	140	192	636	0	0	0	0	0
Apr-19	622	848	0	0	0	848	0	622	0	169	0	0	0	0	0
May-19	4,960	3,862	0	0	0	3,862	0	3,862	0	60	0	0	0	0	0
Jun-19	119	127	0	0	0	127	0	119	0	1,356	0	0	0	0	0
Jul-19					0	0									
Aug-19					0	0									
Sep-19					0	0									
Oct-19					0	0									
Nov-19					0	0									
Dec-19					0	0									
Jan-20					0	0									
Feb-20					0	0									
TOTAL	6,080	4,977	192	0	192	5,169	0	4,743	192	2,221	0	0	0	0	0

All figures in acre feet. Charged amounts are calculated by a percentage of total amounts delivered applied to the total water available





## Monthly Availability Report

CW "Bill" Jones Pumping Plant

June - 2019

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%	2	
Unit-3	720	28.3	3.93%	0.0	0.00%	96.07%	3	1) Brush Replacement
Unit-4	720	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-5	720	720.0	100.00%	0.0	0.00%	0.00%	0	1) Annual Maintenance
Unit-6	720	0.0	0.00%	0.0	0.00%	100.00%	2	
Total	4320	748.3	17%	0.0	0.00%	83.00%	9	

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 - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	720	103.0	14.31%	276.7	38.43%	47.26%	3	0	1) XFMR 2) Dist. Head Oil Leak/Tachometer
Unit-2	720	103.0	14.31%	0.0	0.00%	85.69%	2	0	1)XMFR Bushing Replacement
Unit-3	720	103.0	14.31%	0.0	0.00%	85.69%	2	0	1)XMFR Bushing Replacement
Unit-4	720	303.6	42.17%	0.0	0.00%	57.83%	1	0	1)XMFR Bushing Replacement/Unit Rehab
Unit-5	720	103.0	14.31%	0.0	0.00%	85.69%	2	0	1)XMFR Bushing Replacement
Unit-6	720	103.0	14.31%	0.0	0.00%	85.69%	2	0	1)XMFR Bushing Replacement
Total	4320	818.6	19%	276.7	6.41%	74.59%	12	0	

Notes:

(1) Planned maintenance

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



## Monthly Availability Report

DCI Pumping Plant

June - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	720	21.8	3.03%	0.0	0.00%	96.97%	4	1) Packing Replacement
Unit-2	720	76.9	10.68%	0.0	0.00%	89.32%	4	1) Packing Replacement 2) GE Multilin reprogram
Unit-5	720	4.6	0.64%	0.0	0.00%	99.36%	6	1)Mechanical Seal Installation
Unit-6	720	5.4	0.75%	0.0	0.00%	99.25%	3	1) Packing Replacement
Total	2880	108.7	4%	0.0	0.00%	96.00%	17	

Notes:

(1) Planned maintenance

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