



October 10, 2019

To: Frances Mizuno, Assistant Executive Director

From: Paul Stearns, O&M Manager

Subject: O&M Report for September, 2019

### **Operations Department**

The C.W. "Bill" Jones Pumping Plant (JPP) pumped at five units the majority of the month of September with an average flow rate of 4,082 cfs. Pumping was decreased to three units from September 10<sup>th</sup> to 12<sup>th</sup> and 17<sup>th</sup> to 19<sup>th</sup> for the final O'Neill main transformer bushing replacement. Pumping was reduced to four units (3,500 cfs) on October 2<sup>nd</sup> due to "Fall X2" Delta salinity conditions and to allow for the exciter brushes to be changed on Jones Unit 3. The reduction in pumping is still in effect due to the Fall X2 requirement.

Total pumping at the JPP for the month of September was 242,885 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 80,293 acre-feet and no water was generated. The Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) pumped 15,547 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 September 30<sup>th</sup> was 463,669 acre-feet as compared to 401,015 acre-feet on September 30<sup>th</sup>, 2018.

Releases from Friant Dam for the month of September ranged from 379 to 401 cfs and flows entering the Mendota Pool ranged from 81 to 131 cfs. Flows of 81 to 133 cfs were released passed Mendota Dam for the San Joaquin River Restoration Program (SJRRP).

During the month of September, 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 September:

- O'Neill Unit 1; distributor valve repair
- O'Neill Units 1-6 and 70 kV switchyard; Main transformer 'A' high-side bushing replacement.

## **Civil Maintenance Department**

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

- Replaced traffic strips on DMC farm bridge at milepost 93.25
- Asphalt repair at USBR Tracy Office parking lot
- Transport O'Neill Unit 4 pump components to Tracy for rehabilitation
- Begin cleaning of Parallel (Redfern) Drain
- Assist with domestic water line repair to Tracy Control Building
- Assist with O'Neill transformer bushing replacement
- Installed new dock gang plank for USBR at the TFCF
- Repair erosion around DMC drain inlet at milepost 107.78-R
- Overhead hoist and rigging training
- Chemical and mechanical weed control
- Grading of San Luis Drain (SLD) operating roads
- Continued fabricating and installing guard rails on top of DMC meter wells per Cal-OSHA requirements
- Continued installing stairs and handrails to DMC turnout gates and meters
- Maintenance and repairs to float lines, signs, fences, and gates

## **Plant Maintenance Department**

Electrical/C&I/SCADA Staff:

- Continued with lower DMC Programmable Logic Controller (PLC) upgrade replacement
- Continued Tracy 13.8kV switchgear relay testing and setting verifications
- DMC Checks 1-10 electrical PM's
- Relay database updates
- Overhead crane and rigging training
- Replaced exciter brushes on Jones Unit 3
- DCI fire alarm panel testing and repairs
- Replaced O'Neill Main Transformer 'A' high-side bushing
- Replaced SCADA 'nodes' for Water Operations station
- Continued programming of O'Neill Unit 4 alarm annunciator

Mechanical Staff:

- O'Neill Unit 4 main unit and penstock rehabilitation: Coating contractor has blasted and coated pump casing components and will begin blasting the penstock the week of October 7th, Machine Shop continued to fabricate shaft coupling bolts and other components, began modifications to discharge elbow man-door frame threaded bolt holes, welded pusher/puller brackets on penstock for Dresser coupling installation, repairs to impeller housing stainless steel cladding.
- Jones Unit 2 rewind: Contractor (National Electric Coil [NEC]) scheduled to begin rewind activities on October 14<sup>th</sup>.
- Jones Unit 2 thrust bearing and bridge cleaning
- Replaced O'Neill Unit 1 distributor valve with Unit 4's due to crack in distributor valve connecting rod. Sent rod to JPP Machine Shop for repairs
- Replace pre-filter valves on Tracy Water Treatment Plant #1 filter set
- Overhead crane and rigging training
- Replace packing on O'Neill Unit 1 stuffing box
- Miscellaneous plant PM's

## **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 chipseal project, JPP Unit 2 rewind project, investigated failed drain inlet at MP107.78, Tracy Administration and Civil Maintenance building flooring replacement, JU-2 upper thrust bearing RTD replacement, OPP siphon house breaker repair, DCI & OPP cathodic protection system annual surveys, TSY switchgear building relay settings update, JPP electrical modifications per 2018 Arc Flash Study recommendations, OPP transformer hot oil reconditioning, OPP unit 1 actuator rod failure and replacement, DMC subsidence mitigation project, SLDMWA maintenance labor analysis, OPP main transformer "A" phase bushing replacement, and website management activities. Planning support was provided for civil, mechanical & electrical maintenance activities.

FY21/22 EO&M and RO&M budget preparation activities continued this month.

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

A total of (3) access permits were issued this month. Permit P2004016 was issued to Grassland Water District to enter the Volta Wasteway right-of-way in order to install the North Valley Regional Recycled Water Program signage located near MP1.50L. Access permit P2004019 was issued to Westside Hulling Association for the temporary stockpile of almonds on the Westley Wasteway from MP2.07R to MP3.33R. The last permit was issued to Del Puerto Water District for a temporary turnout on the Delta-Mendota Canal near MP39.20R.

Reviewed and provided comments for bridge replacements at Schulte and Mountain House Road bridges for Prologis and bridge replacement at Corral Hollow for the Tracy Hills project. Began working with BBID on abandonment of turnout and easement at MP8.71. Reviewed and commented on plans to install magmeters at MP109.45-R turnout. Continued working with Civ-Tel on fiber crossing at Kelso Road.

## **HR Department**

### **General Administrative Activities:**

- Recruitment:
  - Maintenance worker position, recruitment closed September 30<sup>th</sup>  
Reposting for additional qualified applicants
  - Internal recruitments for two (2) apprentices (control operator & plant mechanic)
- Employee handbook rollout: determining effective date of enhanced benefits prior to final issue
- Coordination of DMV and insurance paperwork for sale of surplus vehicles
- On-going Sexual Harassment Training scheduling for all staff: group webinar available 9/24/19
- Preparing for FY21/22 budget
- Preparing for Open Enrollment. Enrollment period TBD (two-week period during the month of October)
- Salary Survey requests: Oakdale ID, Total Compensation Survey
- JPIA:

- Property Claims Management: report filing, coordinating adjuster, repairs, billing; collecting policy renewal documents
- Preparation for Benefits Open Enrollment
- Monitoring collection of 2019/2020 policy & renewal documents on Workers' Comp, Liability, Property, & Employee Fidelity/Excess Crime

**Government Reporting:**

- Continuing to coordinate with consultant on finalizing Great Plains reporting mechanisms to move these reports from an Access database to the GP HR module.
  - EEO-1: new filing status, EEO-4, no further reporting requirements (does not change recordkeeping requirements)
  - Affirmative Action: transferring data from Littler to Biddle Consultants
  - Vets 4212
- Working on research and evaluation of website accessibility for ADA compliance

**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

**Safety Department**

One safety investigation (contractor rolled a roller/compactor on the DMC), IIPP revision sent to FCM, wildfire smoke training, purchasing new generator for JPP/OPP, support DMC road repair, support OPP transformer repair, support OPP penstock work, JPP control and excitation project, JHA reviews, work on safety policy manual, crane and rigging training, FY21 vehicle and heavy equipment budget

## ***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: Project was completed this month.

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

Status: Project complete.

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

Status: Preparation of the NEPA/CEQA documents began this month. A USBR contractor will be performing a LIDAR survey this month. Data from survey will be incorporated into the HEC-RAS model that will be developed by the USBR.

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

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

Status: The SLDMWA & USBR staff began evaluating two options for the design of the excitation system. Voith Hydro Group has submitted two proposals – Brushless Exciter System and Static Exciter System.

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

Status: JPP Unit No. 2 has been completely dis-assembled by the SLDMWA staff and the unit has been turned over to National Electric Coil (NEC) for the rewind work. NEC's on-site mobilization will begin on October 14<sup>th</sup>. The Unit 2 laminations are being manufactured and shop inspections were performed between September 30 and October 4.

### ***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: The contracts for painting the enclosure tube and pump bowl bearing repairs have been issued. Obtaining quotes for the replacement of the actuator rod and the shaft seal retainer. The blasting and coating vendor has completed all large pump components. The crew has started the replacement of the man-door retaining fasteners. Project remains on schedule.

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

Status: F.D. Thomas completed mobilization including the construction of onsite containment. All pump components were inspection blasted to our satisfaction. Contractor will begin work on suction elbow and penstock on October 7th.

### ***Main Transformers Condition Assessment***

Status: The “A” phase high voltage bushing replacement was completed this month. is scheduled for September 10-12, 2019. The results of the oil testing post installation indicated that oil reclaiming/filtering should be completed as soon as practical. The oil testing should be increased to quarterly until the transformers can be refurbished.

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

### ***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>August-2019</b>	<b>August-2018</b>
JONES PUMPING PLANT - PUMPED	252,276	260,962
DCI PLANT - PUMPED	12,938	28,439
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	53,260	68,274
O'NEILL P/G PLANT - GENERATED	1,890	0
DMC DELIVERIES	48,933	46,952
RIVER/WELL/RECYCLE WATER INTO DMC	2,169	5,107
MENDOTA POOL DELIVERIES	135,866	114,556
SHASTA RESERVOIR STORAGE	3,658,300	2,691,400
SAN LUIS RESERVOIR STORAGE	1,232,614	970,782
* FEDERAL SHARE	485,072	329,579

	<b>August-2019</b>	<b>August-2018</b>
SAN LUIS UNIT DELIVERIES	14,238	12,731
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	14,886	12,590

Jones Pumping Plant monthly average = 4,103 cfs



**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
August 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: 9/17/19

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>252,276</b>			
<b>Total Pumped @ DCI</b>	<b>(12,938)</b>			
<b>Total Reversed @ DCI</b>	<b>0</b>			
City of Tracy		0	1,433	1,433
Byron Bethany I.D.		522	100	622
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.		9,164	0	9,164
Central California I.D. - above check #13		1,185	0	1,185
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		1,967	0	1,967
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		717	0	717
<b>Total Pumped @ O'Neill PP</b>	<b>(53,260)</b>			
<b>Total Generated @ O'Neill PP</b>	<b>1,890</b>			
Central California I.D. - below check #13		21,115	0	21,115
Grasslands W.D. (76.05-L)		5,230	0	5,230
Fish & Game Los Banos Refuge (76.05-L)		1,013	0	1,013
Fish & Wildlife Kesterson (76.05-L)		132	0	132
Freitas Unit (76.05-L)		0	0	0
Salt Slough Unit (76.05-L)		521	0	521
China Island (76.05-L)		366	0	366
San Luis W.D. - below check #13		1,055	1	1,056
Panoche W.D.		1,385	1	1,386
Eagle Field W.D.		453	0	453
Oro Loma W.D.		49	0	49
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		2,524	0	2,524
River and Groundwater well pump-in	942			
North Valley Regional Recycled Water Program	1,227			
Change in Canal Storage	(296)			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	189,796			
<b>TOTAL DELIVERY FROM DELTA-MENDOTA CANAL</b>	<b>(48,933)</b>	<b>47,398</b>	<b>1,535</b>	<b>48,933</b>
Theoretical DMC Delivery to Mendota Pool	140,863			
Total Estimated DMC Delivery to MP (determined at Check 20)	123,237			
Estimated (Loss) or Gain in DMC	(17,626)			
Estimated % Loss or Gain in DMC	-6.94%			





**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
August 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	123,237			
Mendota Pool Groundwater Well Pump-In	1,441			
(+)SJRR Releases into Mendota Pool	7,400			
(+)Kings River Flood Releases into the Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		69,657	0	69,657
Columbia Canal Company (CCC)		5,841	0	5,841
Firebaugh Canal Water District (FCWD)		5,061	0	5,061
San Luis Canal Company (SLCC)		23,002	0	23,002
<u>Refuge:</u>				
Conveyance Losses		0	0	0
Calif Dept of F/G-LB Unit (CCID)		337	0	337
Calif Dept of F/G-LB Unit (SLCC)		93	0	93
Calif Dept of F/G-Salt Slough Unit (CCID)		174	0	174
Calif Dept of F/G-China Island Unit (CCID)		122	0	122
US Fish & Wildlife-San Luis Refuge (SLCC)		2,986	0	2,986
US Fish & Wildlife-Freitas (CCID)		0	0	0
US Fish & Wildlife-Kesterson (CCID)		44	0	44
Grasslands WD (CCID)		1,574	0	1,574
Grasslands WD (SLCC)		389	0	389
Grasslands (Private)		169	0	169
San Luis WD Conveyance (CCID)		62	0	62
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration:</u>				
SJRR		7,355	0	7,355
<i>Other: (see MP Operations Report)</i>		19,000	0	19,000
<i>Total Available Water in Mendota Pool</i>	132,078			
<b>TOTAL DELIVERY FROM MENDOTA POOL</b>	<b>(135,866)</b>	<b>135,866</b>	<b>0</b>	<b>135,866</b>
*Estimated (Loss) or Gain in Mendota Pool	3,788			
*Estimated % Loss or Gain in Mendota Pool	2.87%			
Total System Delivery	(184,799)			
<b>*Total Estimated System (Loss) or Gain</b>	<b>(13,838)</b>			
<b>*Total Estimated % System Loss or Gain</b>	<b>-5.25%</b>			

Special Notes:



Jones Pumping Plant  
August - 2019

<b>Date</b>	<b># OF UNITS</b>	<b>TIME ON/OFF</b>	<b>AVG DAILY CFS</b>
1	5	CONTINUOUSLY	4331
2	5	CONTINUOUSLY	4327
3	5	CONTINUOUSLY	4307
4	5	CONTINUOUSLY	4300
5	5	CONTINUOUSLY	4293
6	5	CONTINUOUSLY	4303
7	5	CONTINUOUSLY	4304
8	5	CONTINUOUSLY	4306
9	5 to 4	0001	4366
10	4 to 3	0001	2708
11	3	CONTINUOUSLY	2706
12	3	CONTINUOUSLY	2718
13	3	CONTINUOUSLY	2793
14	3 to 5	0001	4311
15	5	CONTINUOUSLY	4309
16	5	CONTINUOUSLY	4305
17	5	CONTINUOUSLY	4316
18	5	CONTINUOUSLY	4310
19	5	CONTINUOUSLY	4296
20	5	CONTINUOUSLY	4282
21	5	CONTINUOUSLY	4279
22	5	CONTINUOUSLY	4286
23	5	CONTINUOUSLY	4302
24	5	CONTINUOUSLY	4312
25	5	CONTINUOUSLY	4305
26	5	CONTINUOUSLY	4302
27	5	CONTINUOUSLY	4309
28	5	CONTINUOUSLY	4315
29	5	CONTINUOUSLY	4302
30	5	CONTINUOUSLY	4296
31	5	CONTINUOUSLY	4291
<b>AVG CFS for the month</b>			<b>4103</b>



**NON-PROJECT WATER CREDITS REPORT**  
 (ALL FIGURES IN ACRE FEET)  
 August 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: 9/17/19

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	18,477,156	18,477,401	1	0	BCID	0	0	0	9,499
20.42-L	18,477,156	18,477,401	1	0	USBR/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	46,797	46,798	1	0	WSTAN	0	0	0	0
31.31-L2	46,797	46,798	1	0	DPWD	0	0	0	0
31.31-L3	46,797	46,798	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	1,843	1,843	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	4,495,873	4,536,897	1	0	PID	0	0	0	1,200
42.53-L	4,495,873	4,536,897	1	0	DPWD	0	0	0	0
42.53-L	4,495,873	4,536,897	1	0	USBR/FWA	942	0	942	942
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>942</b>	<b>11,641</b>



**NON-PROJECT WATER CREDITS REPORT**

(ALL FIGURES IN ACRE FEET)

August 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	060	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	10,790	10,790	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>942</b>	<b>11,641</b>
<b>TOTAL GROSS PUMP-IN</b>								<b>CREDIT</b>	
<b>TOTAL (BYRON BETHANY IRRIGATION DISTRICT)</b>						0	0	0	0
<b>TOTAL (BANTA CARBONA IRRIGATION DISTRICT)</b>						0	0	0	0
<b>TOTAL (DEL PUERTO WATER DISTRICT)</b>						0	0	0	0
<b>TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)</b>						0	0	0	0
<b>TOTAL (PATTERSON IRRIGATION DISTRICT)</b>						0	0	1,200	0
<b>TOTAL (SAN LUIS WATER DISTRICT)</b>						0	0	0	0
<b>TOTAL (PANOCHÉ WATER DISTRICT)</b>						0	0	0	0
<b>TOTAL (MERCY SPRINGS WATER DISTRICT)</b>						0	0	0	0
<b>TOTAL (WIDREN WATER DISTRICT)</b>						0	0	0	0
<b>TOTAL (FIREBAUGH WATER DISTRICT)</b>						0	0	0	0
<b>Other Warren Act Conveyance Credit Totals</b>									
<b>Del Puerto Water District:</b>						0	0	0	0
<b>Banta Carbona Irrigation District:</b>						0	0	9,499	0
<b>West Stanislaus Irrigation District:</b>						0	0	0	0
<b>Byron Bethany Irrigation District:</b>						0	0	0	0
<b>Patterson Irrigation District:</b>						0	0	0	0
<b>San Joaquin River Restoration Pump Back BCID:</b>						0	0	0	0
<b>San Joaquin River Restoration Pump Back PID:</b>						942	942	942	942

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 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; 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:9/19/19

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FCWD	0	0	0	0	0	0	0	0					0
CCID	0	0	0	0	0	0	0	0					0
FRESNO SLOUGH	69	222	219	224	181	282	278	76					1,551
TPUD	0	0	24	0	0	15	25	25					89
JAMES I.D.	0	1,105	0	5,666	5,083	3,045	7,307	10,989					33,195
MEYERS	777	1,280	812	1,073	889	897	543	218					6,489
M.L. DUDLEY & INDART 1	11	26	<b>79</b>	<b>172</b>	<b>170</b>	<b>426</b>	828	423					2,135
MID VALLEY* (Kings River)	0	0	0	0	369	952	0	0					1,321
REC. DIST. 1606	0	0	0	62	0	0	0	0					62
STATE FISH & WILDLIFE	1,498	804	549	400	682	512	1,535	1,752					7,732
TRACTION	743	356	494	425	609	581	996	1,111					5,315
UNMETERED	55	10	50	50	150	190	200	140					845
<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>2,731</b>	<b>3,003</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,892</b>
COELHO FAMILY TRUST 2	33	79	348	699	629	1,128	1,340	608					4,864
TRANQUILITY I.D.	293	1,885	1,415	2,257	2,558	4,862	5,660	3,626					22,556
WESTLANDS LATERAL-6	0	0	0	192	46	189	0	0					427
WESTLANDS LATERAL-7	0	0	0	387	1,273	3,790	0	0					5,450
CARVALHO TRUST	9	9	36	94	102	144	95	32					521
<b>TOTAL</b>	<b>3,488</b>	<b>5,776</b>	<b>4,026</b>	<b>11,701</b>	<b>12,741</b>	<b>17,013</b>	<b>18,807</b>	<b>19,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>92,552</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 812 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 2422 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 319 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 112,706 AF  
 James Bypass Flows 363 AF

Aug, 2019  
 DMC Inflow 123,237 AF  
 James Bypass Flows 0 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**

REVISED 9/11/2019

**AUGUST 2019**

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 14886			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	11958
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	2928
R3 1261	13		DFG @ O'Neill Forebay	84
	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	1177
R4 23059	14		City of Dos Palos	151
	14		Pacheco Water District	1708
	14		San Luis Water District	5192
	14		Panoche Water District	58
	15		San Luis Water District	2206
	15		Panoche Water District	3712
	15		Westlands Water District	10032
R5 65240	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	16494
	17		Westlands Water District	15339
	18		City of Coalinga	1401
	18		Pleasant Valley Pumping Plant	14535
	18		Westlands Water District	17471
R6 23952	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	6
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 29L & 30L	282
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	23664
20580	20		City of Huron @ Lat. 23R	100
	20		Kings County thru WWD 31L,32L,33L,34L,35L,36L	0
	20		Westlands Water District	16028
	21		City of Avenal	279
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	4173
148978	0		<---TOTALS--->	148978
<b>TOTALS BY CUSTOMERS</b>				
			Pacheco Water District	1708
			San Luis Water District	8575
			Panoche Water District	3770
			Westlands Water District	117736
			AltaGas	0
			City of Huron @ LAT. 23R	100
			City of Huron (P&R/Area 11 @ 22R)	6
			Lemoore N.A.S. thru WWD @ 29L & 30L	282
			Kings County thru WWD Laterals in Pools 19 - 21	0
			City of Avenal	279
			City of Dos Palos	151
			City of Coalinga	1401
			DFG @ O'Neill Forebay	84
			Pacheco Tunnel	14886
			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>148978</b>
Pool 12 - Reach 2B				
VA Turnout Use AF =	99			
DWR 3137(Rev.9/15)				149077



## Monthly Availability Report

CW "Bill" Jones Pumping Plant

August - 2019

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%	1	
Unit-2	744	472.0	63.44%	0.0	0.00%	36.56%	0	1) Unit Rewind
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-4	744	9.0	1.21%	0.0	0.00%	98.79%	1	1) Exciter Cleaning and Brush Replacement
Unit-5	744	180.2	24.22%	0.0	0.00%	75.78%	1	1) Annual Maintenance w/exciter armature extension
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	0	
Total	4464	661.2	15%	0.0	0.00%	85.00%	3	

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 - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	744	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	3	0	
Unit-4	744	744.0	100.00%	0.0	0.00%	0.00%	0	0	1) Penstock/Pump Rehab
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	0	1	
Total	4464	744.0	17%	0.0	0.00%	83.00%	5	1	

Notes:

(1) Planned maintenance

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



## Monthly Availability Report

DCI Pumping Plant

August - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	0.0	0.00%	0.9	0.12%	99.88%	1	2) UPS Failure due to blown 4160V Fuses
Unit-2	744	0.0	0.00%	1.0	0.13%	99.87%	2	2) UPS Failure due to blown 4160V Fuses
Unit-5	744	0.0	0.00%	0.9	0.12%	99.88%	1	2) UPS Failure due to blown 4160V Fuses
Unit-6	744	0.0	0.00%	2.5	0.34%	99.66%	1	2) UPS Failure due to blown 4160V Fuses
Total	2976	0.0	0%	5.3	0.18%	99.82%	5	

Notes:

(1) Planned maintenance

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