



December 6, 2018

To: Frances Mizuno, Interim Executive Director

From: Paul Stearns, O&M Department Manager

Subject: O&M Report for November 2018

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) began the month of November at four units due to the scheduled outage of switchgear building 11A (Jones Units 2 & 6) and remained at four units due to Biological Opinion/salmon criteria. Pumping was decreased to three units on November 10th and two units on November 14th for Delta outflow requirement. Pumping was reduced to zero on November 18th for two hours due to a Primary Louver screen failure at the Tracy Fish Collection Facility (TFCF). Approximately 320 acre-feet were lost during the no-pumping period. Pumping was increased to four units on November 29th and five units on December 2nd due to available water in the Delta from the recent storm activity.

Total pumping for the month of November at the JPP was 150,041 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 74,982 acre-feet and generated 151 acre-feet during the TFCF louver issue. The Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) was not utilized during the month of November.

The Federal share in San Luis Reservoir on November 30th was 429,481 acre-feet as compared to 791,296 acre-feet on November 30th, 2017.

Releases from Friant Dam for the San Joaquin River Restoration Program (SJRRP) ranged from 375-455 cfs for the month of November. Flows into the Mendota Pool from the SJR ranged from 90-143 cfs. All the inflow was subsequently released past Sack Dam.

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

Control Operations staff performed the following switching for the month of November:

- Switchgear building 6A to 8A for feed to building B15 (station service)
- Switchgear building 11A/Jones Unit 2 for CT replacement and relay firmware upgrades
- Switchgear building 6A for WAPA maintenance on transformer KY6A

Civil Maintenance Department

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

- Chemical and mechanical weed control; continued spraying hyacinth and water primrose in un-lined section of lower DMC
- Grading of DMC and San Luis Drain (SLD) operating roads
- Staged support timbers and excavator at the TFCF to push hyacinth to conveyor while debris swat-arm gear box is under repair
- Cleaning debris from upstream side of SLD check structures
- Trenching, mixing of Bentonite, backfilling and compacting for Ward Road embankment stabilization project
- Provide forklift safety and CPR training and to new employees and refresher training for existing employees
- DMC drain inlet inspection and cleaning
- Repaired leaking valve on potable water line to WAPA facilities
- Replaced ground utility box at DMC Check #4
- DMC creek over-chute inspections
- Maintenance and repairs to float lines, signs, fences, and gates

Plant Maintenance Department

Electrical/C&I/SCADA Staff:

- Continued to assist AT&T with fiber installation at Tracy
- Continued radio and antenna tuning for communications with DMC Check #1
- Continued wiring diagram and schematic checks for the JPP main unit excitation/unit control board upgrade project
- Performed infrared inspection of electrical panels at Tracy O&M complex
- Completed replacement of Jones Unit 2 current transformers and relay firmware updates
- Installed projector in Tracy Control Building conference room
- Replaced turbidity meter in Tracy Water Treatment Plant (WTP)
- Installed new resistance temperature detectors (RTD's) in Jones Unit 6 thrust bearing shoes
- Installed plug system in the JPP trash rack cleaner festoon cable to rake/trolley (and spare rake/trolley) for ease of change-out during emergency repair

Mechanical Staff:

- Provide support for Jones Unit 6 rewind project
- Continued with the Jones Unit 6 pump bearing Babbitt rehabilitation
- Drilled and tapped new mounting holed for the Jones Unit 6 thrust bearing RTD's
- Continued duct work modifications for the new battery room exhaust fan
- Repaired door damage to DCI southwest entrance door. An individual had pried the door open enough to set off the alarm. Control Operators notified Alameda County Sheriff. Suspect seen on security cameras was identified by Sheriff's Deputies as a possible transient in the area responsible for several thefts and break-ins in the area.
- Fabricated coupling bolts for O'Neill Unit 1 shafts
- Rebuild JPP unit spare cooling water strainer assembly

- Replaced wheel pit sump pump and float switch for Jones Unit 1

O'Neill Unit 1 main unit rehabilitation: Unit has been re-centered and new motor housing feet dowel holes have been drilled. New shaft coupling bolts have been fabricated and installed. An alignment specialist from Hydro Consulting and Maintenance Services (HCMS) will be on site December 11th to confirm the unit is plumb and shaft run-out is within acceptable levels before completing the reassembly of the unit.

Engineering and Planning Department

The Engineering & Planning Department staff worked on the following projects this month: JPP unit rewind project management, Sustainable Groundwater Management Act (SGMA) compliance activities, OPP U-1 pump assembly rehabilitation project, OPP Unit 1 Stator Windings repair, Ward Road embankment stabilization project, Building 11A CT installation in JPP switchyard, and drawing and website management. Planning support was provided for civil, mechanical & electrical maintenance activities.

Land Management Activity Summary:

No access permits were issued this month.

Continued working with PG&E and Reclamation regarding request to install conduit along Kelso Road, crossing the discharge tubes.

Safety Department

First aid training for new and existing employees, routine JHA support, support for trenching at Ward Ave, support for new CT installation on TU-2, support USBR engineering for work on new excitation and control system for JPP, evaluating data to determine action plan to reduce carbon brush wear on JPP exciters.

EXTRAORDINARY O&M & CAPITAL PROJECTS

DELTA-MENDOTA CANAL (DMC)

Concrete Lining Repair Design Only (1800064) FY2018 Project

Status: The SLDMWA crew completed 475' bentonite cutoff well this month. Construction took 10 days with a crew of eight. Several trenches partially collapsed during excavation and resulted in delays. The paleo-channel was determined to be approximately 30' wide, located 13-15' deep, and consisted of coarse sands and gravels with some large cobbles. Because of the difficulty in getting the trenches to stay open, it was decided that dry wells would be a more suitable method for capturing retained water instead of the originally planned 75' drainage trench. Currently waiting for a cost estimate to have wells installed.

DMC Flow Measurement Project – Phase 1 (1700112) FY2018 Project

Status: No activity this month.

Stoplog Guide Replacement on Lower DMC Check Structures- Phase 1 – (1800859) FY2018 Project

Status: Advertised for the fabrication of concrete stoplogs and received one bid back. Currently reviewing bid document prior to entering Contract with bidder.

DMC O&M Road Maintenance Program – Phase 8 (MP 51.21 to 62.09) (1900478)

Status: Project has been deferred until FY20.

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

Status: This project has been deferred until FY20 and will be performed in conjunction with the O&M road maintenance (chip seal) project.

Stoplog Guide Replacement on Lower DMC Check Structures- Phase 2 – (1900450)

Status: This project is scheduled to be performed in February, 2019.

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

JPP - Arc Flash Study (1800167) FY2018 Project

Status: Received Final Report hardcopies, arc flash labels and electronic copy.

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

Status: SLDMWA staff provided support for Reclamation's inspection of Jones PP exciter, excitation cabinet and control cabinet. Conducted meeting to discuss Value Engineering needs with Reclamation Denver Office staff. Also provided requested drawings to USBR TSC.

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.

Rehabilitate Pump Assemblies Unit No. 1 (1800196) FY2018 Project

Status: Unit was centered in the turbine guide bearing by moving the motor bridge. Crew widened the hold-down bolt holes on the motor bridge leg. Hex stock material was ordered to make new flange bolts. New flange bolts are being machined by our in-house crew as per the profile of the old bolts (each bolt has slightly different thickness). Once all the bolts are manufactured, the crew will complete the assembly of the shafts. HCMS contractor shall be on site in the first week of December to gather shaft alignment data.

Rehabilitate Pump Assemblies Unit No. 4 (1900462)

Status: Project start date has been deferred to April 2019 due to the delays in completing Unit 1.

Rehabilitate Penstock Interiors - Unit No. 4 (1800461)

Status: Project start date has been deferred to April 2019 due to the delays in completing Unit 1.

Main Transformers Condition Assessment

Status: This project will be performed after San Luis Reservoir has been filled and when a complete outage at the plant can be scheduled.

LOS BANOS FIELD OFFICE (LBFO)

LBFO Parking Lot Seal Coat and Striping (1900480)

Status: Project has been deferred and will be rescheduled when the weather is more predictable.

TRACY FACILITIES (TFO)

None

EXTRAORDINARY O&M & CAPITAL PROJECTS

CAPITAL PROJECTS

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

JPP Unit No. 6 Rewind Project Award Activities (PO No. 183673)

Consultant: Pacific Power Engineers, Inc, Rancho Cordova, CA

Project Engineer: David Roose, PE

Scope of Services for November 2018: Scope of Services for November included tasks in one distinct area: Task 4: Project Coordination & Inspections at Jones Pumping Plant: (185/560 hours) – Installation of new stator core laminations and installation of surge rings, coils, and circuit ring buses.

Month of November activities focused primarily on installation of stator coils, tying and securing coils, installing side packing to secure coils in slots, wedging all coils, high voltage testing of coils, installing circuit ring busses, installation of vertical dowels, and installation and connection of line and neutral leads and circuit transformers (CTs) along with weekly coordination and schedule update calls with NEC.

Highlight of November Activities:

- Inspect and document coil installation procedures and protocols
- Witness high voltage testing of all coils at 55,000 volts DC, iterative testing throughout installation of coils
- Inspect installation of side packing and wedging of all slots
- Inspect tying of all coils to surge rings and coil-to-coil tying
- Inspect figure 8 ties of all wedges – upper and lower windings
- Inspect installation of circuit ring buses – six total
- Inspect installation of line, neutral, and circuit transformer installation
- Inspect installation of vertical dowel drilling, reaming, and installation
- Review design winding, stator core, and field pole drawings with NEC Engineers
- Participate in Weekly JPP Calls with NEC

Metrics:

Task 1: NEC Design Review with USBR, NTP Discussions: \$8,745 (Feb.); \$7,155 (March)

Task 1: Submittal review & approval: \$12,190 (March), \$6,890 (April), \$6,360 (May), \$2,650 (August), \$3,710 (September)

Task 1: Travel to Brownsville Submittal Review: \$8,480 (April)

Task 2: Heat Run, Vibration, Noise & Centerline Process Inspection: \$6,360 (March), \$6,360 (April)

Task 3: Manufacturing Inspections: Travel to Ohio for field pole refurbishment inspection/travel to Wroclaw, Poland to inspect lamination manufacturing/Travel to Brownsville for coil manufacturing inspection: \$9,540 (June), \$19,080 (July), \$20,140 (August), \$11,130 (September)

Task 4: Project Coordination & Inspection at Jones: \$15,900 (April), \$42,665 (May), \$56,445 (June), \$37,630 (July), \$14,575 (August), \$29,415 (September), 64,660 (October), \$49,025 (November)

Travel to Date: \$1,011.89 (Feb), \$378.79 (March), \$1,885.37 (April), \$929.28 (May), \$3,823.69 (June), \$4,389.51 (July), \$3,569.94 August, \$1,635.09 (October), \$1,605.12 (November)

Percent billed versus budget to Date: 456,797.90/\$469,970 = 97% of Budget



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

NOTE: ALL FIGURES ARE IN ACRE FEET

	October-2018	October-2017
JONES PUMPING PLANT - PUMPED	250,116	268,240
DCI PLANT - PUMPED	22,278	28,585
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	115,636	109,356
O'NEILL P/G PLANT - GENERATED	0	27
DMC DELIVERIES	36,114	46,423
RIVER, WELL, & NVRRWP WATER INTO DMC	6,491	1,520
MENDOTA POOL DELIVERIES	74,610	74,385
SHASTA RESERVOIR STORAGE	2,191,000	3,176,800
SAN LUIS RESERVOIR STORAGE	1,218,285	1,501,948
* FEDERAL SHARE	433,983	738,334

	October-2018	October-2017
SAN LUIS UNIT DELIVERIES	8,173	8,155
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	13,657	1,277

Jones Pumping Plant monthly average = 4,068 cfs



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
October 2018**

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; Tona Mederios; Wes Harrison

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

Date: 11/16/18

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)
Total Pumped @ Jones Pumping Plant	250,116			
Total Pumped @ DCI	(22,278)			
Total Reversed @ DCI	0			
City of Tracy		0	677	677
Byron Bethany I.D.		151	104	255
West Side I.D.		0	0	0
Banta Carbona I.D.		19	0	19
West Stanislaus I.D.		0	0	0
Patterson I.D.		0	0	0
Del Puerto W.D.		3,031	5	3,036
Central California I.D. - above check #13		711	0	711
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		1,630	0	1,630
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		11,099	0	11,099
Total Pumped @ O'Neill PP	(115,636)			
Total Generated @ O'Neill PP	0			
Central California I.D. - below check #13		206	0	206
Grasslands W.D. (76.05-L)		13,710	0	13,710
Fish & Game Los Banos Refuge (76.05-L)		1,088	0	1,088
Fish & Wildlife Kesterson (76.05-L)		930	0	930
Freitas Unit (76.05-L)		813	0	813
Salt Slough Unit (76.05-L)		596	0	596
China Island (76.05-L)		308	0	308
San Luis W.D. - below check #13		223	0	223
Panoche W.D.		475	2	477
Eagle Field W.D.		1	0	1
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		335	0	335
River and Groundwater well pump-in	5,278			
North Valley Regional Recycled Water Program	1,213			
Change in Canal Storage	35			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	118,683			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(36,114)	35,326	788	36,114
Theoretical DMC Delivery to Mendota Pool	82,569			
Total Estimated DMC Delivery to MP (determined at Check 20)	75,671			
Estimated (Loss) or Gain in DMC	(6,898)			
Estimated % Loss or Gain in DMC	-2.76%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
October 2018**

<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	75,671			
Mendota Pool Groundwater Well Pump-In	2,688			
(+)SJRR Releases into Mendota Pool	5,595			
(+)Kings River Flood Releases into the Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		12,107	0	12,107
Columbia Canal Company (CCC)		8,609	0	8,609
Firebaugh Canal Water District (FCWD)		1,307	0	1,307
San Luis Canal Company (SLCC)		3,890	0	3,890
<u>Refuge:</u>				
Conveyance Losses		4,961	0	4,961
Calif Dept of F/G-LB Unit (CCID)		1,294	0	1,294
Calif Dept of F/G-LB Unit (SLCC)		1,305	0	1,305
Calif Dept of F/G-Salt Slough Unit (CCID)		708	0	708
Calif Dept of F/G-China Island Unit (CCID)		366	0	366
US Fish & Wildlife-San Luis Refuge (SLCC)		5,590	0	5,590
US Fish & Wildlife-Freitas (CCID)		966	0	966
US Fish & Wildlife-Kesterson (CCID)		1,105	0	1,105
Grasslands WD (CCID)		11,511	0	11,511
Grasslands WD (SLCC)		3,466	0	3,466
Grasslands (Private)		4,783	0	4,783
San Luis WD Conveyance (SLWD 5/ DPWD 19)		24	0	24
<u>San Joaquin River Restoration:</u>				
SJRR		5,595	0	5,595
<i>Other: (see MP Operations Report)</i>		7,023	0	7,023
<i>Total Available Water in Mendota Pool</i>	83,954			
TOTAL DELIVERY FROM MENDOTA POOL	(74,610)	74,610	0	74,610
*Estimated (Loss) or Gain in Mendota Pool	(9,344)			
*Estimated % Loss or Gain in Mendota Pool	-11.13%			
Total System Delivery	(110,724)			
*Total Estimated System (Loss) or Gain	(16,242)			
*Total Estimated % System Loss or Gain	-6.16%			

Special Notes:



Jones Pumping Plant
October - 2018

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	4	CONTINUOUSLY	3490
2	4	CONTINUOUSLY	3316
3	4 to 5	0001	4268
4	5	CONTINUOUSLY	4273
5	5	CONTINUOUSLY	4245
6	5	CONTINUOUSLY	4193
7	5	CONTINUOUSLY	4235
8	5	CONTINUOUSLY	4216
9	5	CONTINUOUSLY	4245
10	5	CONTINUOUSLY	4267
11	5	CONTINUOUSLY	4273
12	5	CONTINUOUSLY	4262
13	5	CONTINUOUSLY	4258
14	5	CONTINUOUSLY	4265
15	5	CONTINUOUSLY	4246
16	5	CONTINUOUSLY	4249
17	5	CONTINUOUSLY	4255
18	5	CONTINUOUSLY	4257
19	5	CONTINUOUSLY	4248
20	5	CONTINUOUSLY	4244
21	5	CONTINUOUSLY	4245
22	5	CONTINUOUSLY	4252
23	5	CONTINUOUSLY	4248
24	5 to 4	1129	3585
25	4	CONTINUOUSLY	3543
26	4 to 5	1601	3787
27	5	CONTINUOUSLY	4249
28	5	CONTINUOUSLY	4266
29	5 to 4	0701	3700
30	4	CONTINUOUSLY	3462
31	4	CONTINUOUSLY	3460
AVG CFS for the month			4068



NON-PROJECT WATER CREDITS REPORT
(ALL FIGURES IN ACRE FEET)
October 2018 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: 11/16/18

Date: Revised 11/20/18

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	4804	4804	1	0	BBID	0	0	0	0
14.26-R	5217	5217	1	0	BBID	0	0	0	0
15.11-R	1603	1603	1	0	BCID	0	0	0	0
20.42-L	10028793	11083246	1	-61	BCID	1500	-75	1425	9500
20.42-L	10028793	11083246	1	0	USBR/FWA	1675	0	1675	11887
21.12-L	0990	0990	1.01	0	DPWD	0	0	0	0
21.86-L	769	769	1	0	DPWD	0	0	0	0
24.38-L	1763	1763	1.04	0	DPWD	0	0	0	0
29.95-R	944	944	0.87	0	DPWD	0	0	0	0
30.43-L	7421	7422	1	-1	DPWD	0	0	0	0
30.43-R	2123	2123	0.92	0	DPWD	0	0	0	0
30.95-L	1915	1915	1.03	0	DPWD	0	0	0	0
31.31-L1	46778	46778	1	0	WSTAN	0	0	0	0
31.31-L2	46778	46778	1	0	DPWD	0	0	0	0
31.31-L3	46778	46778	1	0	PID	0	0	0	0
31.60-L	8182	8182	0.93	0	DPWD	0	0	0	0
32.35-L	1793	1793	0.86	0	DPWD	0	0	0	0
33.71-L	748	748	0.94	0	DPWD	0	0	0	0
36.80-L	1842	1842	1	0	DPWD	0	0	0	0
37.10-L	3292	3294	0.94	-2	DPWD	0	0	0	0
37.32-L	2653	2653	0.91	0	DPWD	0	0	0	0
42.50-R	1034	1034	0.96	0	DPWD	0	0	0	0
42.53-L	4309479	4403386	1	0	PID	631	-32	599	2137
42.53-L	4309479	4403386	1	0	DPWD	0	0	0	0
42.53-L	4309479	4403386	1	0	USBR/FWA	1525	0	1525	12245
43.22-L	055	055	1	0	DPWD	0	0	0	0
48.97-L	870	870	0.95	0	SLWD	0	0	0	0
50.46-L	4106	4106	1.07	0	DPWD	0	0	0	0
51.00-R	296	296	0.89	0	DPWD	0	0	0	0
51.66-L	0337	0337	0.98	0	DPWD	0	0	0	0
52.40-L	1331	1331	0.94	0	DPWD	0	0	0	0
58.28-L	1177	1177	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	1662	1662	1	0	DPWD	0	0	0	0
UPPER DMC SUB TOTAL								5224	35769
78.31-L	4469	4469	1.08	0	SLWD	0	0	0	0
79.12-R	1805	1805	0.91	0	SLWD	0	0	0	0
79.13-L	2286	2286	1	0	SLWD	0	0	0	0
79.13-R	4415	4415	1.08	0	SLWD	0	0	0	0
79.60-L	8582	8582	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	10724	10730	1	-6	PANOCH/MS	0	0	0	0
98.74-L	5695	5695	1.14	0	PANOCH/MS	0	0	0	0
99.24-L	10493	10493	0.92	0	PANOCH/MS	0	0	0	0
100.70-L	6211	6211	1	0	PANOCH/MS	0	0	0	0
102.04-R	0942	0999	1	0	WIDREN WD	57	-3	54	949
LOWER DMC SUB TOTAL								54	949
WARREN ACT CONTRACT CREDIT TOTAL								5278	36718

	TOTAL GROSS PUMP-IN	CREDIT
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)	0	0
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)	0	0
TOTAL (DEL PUERTO WATER DISTRICT)	0	0
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)	0	0
TOTAL (PATTERSON IRRIGATION DISTRICT)	631	599 2137
TOTAL (SAN LUIS WATER DISTRICT)	0	0
TOTAL (PANOCH WATER DISTRICT)	0	0
TOTAL (MERCY SPRINGS WATER DISTRICT)	0	0
TOTAL (WIDREN WATER DISTRICT)	57	54 949
TOTAL (FIREBAUGH WATER DISTRICT)	0	0

Other Warren Act Conveyance Credit Totals		
Del Puerto Water District:	0	0 0
Banta Carbona Irrigation District:	1500	1425 9500
West Stanislaus Irrigation District:	0	0 0
Byron Bethany Irrigation District:	0	0 0
Patterson Irrigation District:	0	0 0
San Joaquin River Restoration Pump Back BCID:	1675	1675 11887
San Joaquin River Restoration Pump Back PID:	1525	1525 12245

Notes: 3.32-R, 20.42-L, 31.31-L and 42.53-L are River water
The report was revised due to a formula error found in the PID gross pump in cell.



CREDITS FOR EXCHANGE AGREEMENTS WITH CCID

(ALL FIGURES IN ACRE FEET)

Oct 2018 EC AGMT Credits

CREDITS UNDER EXCHANGE AGREEMENTS WITH CCID		
	MONTH	YEAR
DEL PUERTO WATER DISTRICT	641	1828
SAN LUIS WATER DISTRICT	0	82
PACHECO WATER DISTRICT	0	0
PANOCHÉ WATER DISTRICT	0	192
WESTLANDS WATER DISTRICT	0	3185
FIREBAUGH CANAL WATER DISTRICT	0	0
EXCHANGE AGREEMENT CREDIT TOTAL	641	5287



**MENDOTA POOL OPERATIONS
2018
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; Tona Mederios; Wes Harrison; William Halligan

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

Date: 11/16/18

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FCWD	0	0	0	0	0	0	0	0	0	0			0
CCID	0	0	0	0	0	0	0	0	0	0			0
FRESNO SLOUGH	56	350	108	250	656	695	480	162	51	0			2808
TPUD	0	12	16	0	1	29	27	23	0	0			108
JAMES I.D.	2998	6746	0	277	3280	6992	7133	2739	1385	0			31550
MEYERS	714	352	0	1014	127	136	113	136	78	1351			4021
M.L. DUDLEY & INDART 1	104	113	142	317	338	522	471	678	403	312			3400
MID VALLEY* (Kings River)	0	0	0	0	0	0	0	0	0	0			0
REC. DIST. 1606	8	6	5	37	88	108	71	47	12	0			382
STATE FISH & WILDLIFE	1428	896	242	248	474	616	771	1261	3274	3017			12227
TRACTION	543	544	103	145	326	492	1166	374	75	999			4767
UNMETERED	120	125	50	40	40	40	240	200	475	75			1405
Total	2091	1565	395	433	840	1148	2177	1835	3824	4091			18399
COELHO FAMILY TRUST 2	286	465	131	382	1083	1320	1480	772	510	301			6730
TRANQUILITY I.D.	336	2259	474	1612	2197	4305	4375	2932	1399	929			20818
WESTLANDS LATERAL-6	0	0	0	0	0	0	0	0	0	0			0
WESTLANDS LATERAL-7	0	0	0	0	0	0	0	0	0	0			0
LEMPESIS V.L. 3	0	4	14	54	96	122	83	28	42	39			482
TOTAL	6593	11872	1285	4376	8706	15377	16410	9352	7704	7023	0	0	88698

NUMBERS SHOWN IN **BOLD** WERE REVISED AFTER DISTRIBUTION OF REPORT
1 aka COELHO-GARDNER-HANSEN 2 aka TERRA LINDA FARMS 3 aka WILSON JW

Article 215 Water

Jan-18	_____
Feb-18	_____
Mar-18	_____
Apr-18	_____
May-18	_____
Jun-18	_____
Jul-18	_____
Aug-18	_____
Sep-18	_____
Oct-18	_____
Nov-18	_____
Dec-18	_____

Kings River Water

Jan-18	_____
Feb-18	_____
Mar-18	_____
Apr-18	_____
May-18	_____
Jun-18	_____
Jul-18	_____
Aug-18	_____
Sep-18	_____
Oct-18	_____
Nov-18	_____
Dec-18	_____

Duck Clubs (Percent Full)

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

Jan, 2018
DMC Inflow 27,918 A.F.
James Bypass Flows 0 A.F.

May, 2018
DMC Inflow 91,291 A.F.
James Bypass Flows 0 A.F.

Sept, 2018
DMC Inflow 83,307 A.F.
James Bypass Flows 0 A.F.

Feb, 2018
DMC Inflow 73,588 A.F.
James Bypass Flows 0 A.F.

June, 2018
DMC Inflow 130,068 A.F.
James Bypass Flows 0 A.F.

Oct, 2018
DMC Inflow 75,671 A.F.
James Bypass Flows AF

Mar, 2018
DMC Inflow 21,918 AF
James Bypass Flows 0 AF

July, 2018
DMC Inflow 152,085 A.F.
James Bypass Flows 0 A.F.

Nov, 2018
DMC Inflow A.F
James Bypass Flows A.F.

Apr, 2018
DMC Inflow 36,397 AF
James Bypass Flows 0 AF

Aug, 2018
DMC Inflow 119,446 A.F.
James Bypass Flows 0 A.F.

Dec, 2018
DMC Inflow AF
James Bypass Flows AF



SAN LUIS UNIT DELIVERIES

(ALL FIGURES IN ACRE-FEET)

October 2018

To: Erma Leal; Gabe Mora; Katrina Buelna; Linda Colella; Mark Rhodes; Marta Rivas; Melody Hernandez; Rebecca Heilman; Scott Crist; Sonya F Nechanicky; Stacey Smith; Tatiana Carrillo; Tom Boardman

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

Source document: Table 19 (DWR)

Date: 11/16/18

O'NEILL FOREBAY AND POOL 13, SAN LUIS CANAL

O'NEILL FOREBAY WILDLIFE AREA		26
SAN LUIS WATER DISTRICT	AG	388
	M&I	51
V.A. CEMETERY		41
SUBTOTAL		506

SAN LUIS CANAL, POOLS 14 THRU 21

SAN LUIS WATER DISTRICT	AG	4941
	M&I	2
PANOCHÉ WATER DISTRICT	AG	2045
	M&I	10
PACHECO WATER DISTRICT	AG	669
	M&I	0
PACHECO C.C.I.D. NON PROJECT		0
SUBTOTAL		7667

TOTAL SAN LUIS UNIT 8173

PANOCHÉ M&I INCLUDES 2 A.F. @ 89.70-L DOS PALOS
 SAN LUIS WATER DISTRICT WELL WATER CREDIT- M.P. 79.67-R = 0

MONTHLY DELIVERIES FOR SAN FELIPE UNIT

SANTA CLARA VALLEY W.D.	11273
SAN BENITO CO. W.D.	2384
CASA DE FRUTA	0
TOTAL	13657



Monthly Availability Report

CW "Bill" Jones Pumping Plant

October - 2018

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%	4	
Unit-2	744	62.4	8.39%	40.9	5.50%	86.11%	2	(1) CT Replacement (2) False Differential Trip
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-4	744	0.0	0.00%	50.9	6.84%	93.16%	3	(2) Field Breaker Closure Timing issue
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	4	
Unit-6	744	744.0	100.00%	0.0	0.00%	0.00%	0	
Total	4464	806.4	18%	91.8	2.06%	79.94%	13	

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

October - 2018

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

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

October - 2018

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%	3	
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%	1	
Total	2976	0.0	0%	0.0	0.00%	100.00%	9	

Notes:

(1) Planned maintenance

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