



November 7, 2019

To: Frances Mizuno, Assistant Executive Director

From: Bob Martin, Engineering & Planning Department Manager

Subject: O&M Report for October, 2019

The proposed FY21 and preliminary FY22 O&M budget was presented to the Operation & Maintenance Technical Committee meeting on October 21, 2019. A unanimous vote was made to recommend to the Finance and Administration Committee to approve the budget as presented.

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) began the month of October pumping at five units (4,300 cfs). Pumping was reduced to four units (3,500 cfs) on October 2nd due to "Fall X2" Delta salinity conditions. Pumping was further reduced to two units on October 7th and to one unit on October 9th also due to the Fall X2 Delta salinity condition. Average pumping for the month as of October 28th was 1,502 cfs.

Pumping for the month at the JPP as of October 28th was 83,438 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 6,548 acre-feet and generated 43,071 acre-feet as of October 28th. The Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) pumped 719 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 October 28th was 344,108 acre-feet as compared to 435,206 acre-feet on October 28th, 2018.

Releases from Friant Dam as of October 28th ranged from 365 to 482 cfs and flows entering the Mendota Pool ranged from 101 to 142 cfs. Flows of 65 to 150 cfs were released passed Mendota Dam for the San Joaquin River Restoration Program (SJRRP).

During the month of October, 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 October:

- JPP Butterfly Valve Compressors #1 & #2; Preventive Maintenance
- JPP Units 1 & 3; Exciter brush replacements
- DCI Plant; Electrical preventive maintenance
- Tracy Water Treatment Plant; Booster pump isolation valve replacements
- DMC Check 18 Radial Gates; Diver inspection of concrete liner

Civil Maintenance Department

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

- Haul O'Neill Unit 4 pump bowl to UNICO Machine Shop in Benicia and pump shafts to Bender Machine Shop in Los Angeles
- Overhead crane and rigging training
- Fill voids on top of DMC concrete liner
- Pick up rodent bait stations from Delta Cross Channel
- Assist with diver inspection of DMC concrete liner voids
- Completed domestic water line repair to Tracy Control Building and WAPA facilities
- Clean DMC block houses and check structure decks
- 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
- Troubleshoot loss of Upper DMC/O'Neill communications; Un-Wired transceiver problem resolved
- Installation of video projector in LBAO board room
- DCI main unit's annual maintenance (Units 1, 2, 5, 6)
- Replaced exciter brushes on Jones Units 1 & 3
- Continued DCI fire alarm panel testing and repairs
- Replaced Exchange Contractor DSP web portal (Red Lion) device
- Update DCI SCADA cabinet for PLC expansion
- Asbestos training (on site) and PLC programming training (E&M Electric)
- Calibrate vacuum transducers on O'Neill siphon breaker system
- Replace flow meter batteries at DMC turnout 96.70-R
- Install new air conditioner in O'Neill battery room
- Replace faulty GFCI at LBFO
- Replace faulty O'Neill PLC card
- Continued programming of O'Neill Unit 4 alarm annunciator

Mechanical Staff:

- O'Neill Unit 4 main unit and penstock rehabilitation: Coating contractor on site for blasting and coating of penstock, JPP Machine Shop continued to fabricate shaft coupling bolts, guide bearing segments and rehabilitation of bearing carriers, continued modifications to discharge elbow man-door frame threaded bolt holes, pressure test actuator cabinet components, discharge bowl to UNICO machine shop (Benicia) for machining of pump bearing fit, shafts to Bender machine shop (Los Angeles) for alignment checks and machining of bearing journal areas.
- Jones Unit 2 rewind: Contractor (National Electric Coil [NEC]) began rewind activities on October 14th. Stator windings and laminations removed.
- Forklift operator recertification training
- Asbestos training

- Replaced Tracy Water Treatment Plant booster pump isolation valves
- Rebuild O'Neill Unit 3 siphon vacuum actuating valve
- Replaced load cell sensor on JPP 80-ton gantry crane

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, JPP Unit 2 rewind project, Tracy Administration and Civil Maintenance building flooring replacement, OPP siphon house breaker repair, OPP transformer hot oil reconditioning, OPP unit 1 actuator rod repair procedure, JPP air wash system replacement, LBAO board room projector installation, DMC subsidence mitigation project, SLDMWA maintenance labor analysis, and website management activities. Planning support was provided for civil, mechanical & electrical maintenance activities.

FY21/22 EO&M and RO&M budget was completed and presented to the O&M Technical Committee this month.

Land Management Activity Summary:

A total of (2) access permits were issued this month. Emergency permit P2002021 was issued to Del Puerto Water District to repair the leaky underground pipeline at DMC MP47.89R. Access permit P2002022 was issued to Del Puerto Water District to repair the existing underground pipeline at DMC MP47.37R.

Provided onsite inspection during Civ-Tel's fiber line installation crossing of the JPP discharge tubes along Kelso Rd. Completed plan review for meter replacement at 109.45-R, and construction is scheduled to occur in November. Researched OM&R responsibilities for San Luis Canal flowmeters. Provided information to BBID on procedures to abandon turnout and pipeline easement. Continued working with City of Patterson and Quincy Engineering on Rogers Road bridge replacement. Provided parcel information near siphon house to Kier and Wright. Continued working with RJA on Corral Hollow Road bridge replacement. Provided DMC and drainage information for area near the Crows Landing Business Park to engineer at Wood Rodgers. Provided information to Woodard and Curran regarding cofferdam systems used in construction of DCI as a resource for the Del Puerto Canyon Reservoir inlet/outlet design at the DMC. Reviewed and commented on USBR permit to allow geo-tech drilling for Del Puerto Canyon Reservoir project. Permit to be issued by November to DPWD.

HR Department

General Administrative Activities:

- Recruitment:
 - Maintenance worker position, reposted for additional applicants. Due to apprenticeship promotions, 2 maintenance worker positions to fill. Skills testing took place on 10/29
 - Assessments and interviews for two (2) opening in the apprenticeship program.
 - 1 maintenance worker was selected for the Control Operator Apprentice position
 - 1 heavy equipment operator was selected for the Plant Mechanic Apprentice position
 - Heavy Equipment Operator position is being advertised

- Employee handbook rollout postponed due to additional benefit enhancements, edits to be included in revised handbook
- On-going Sexual Harassment Training for those who have not yet completed for the 2019 year
- Finalized the FY21/22 budget
- Completed Open Enrollment. Changes have been added into the benefits system with an effective date of 1/1/20
- JPIA:
 - Property Claims Management: report filing, coordinating adjuster, repairs, billing; collecting policy renewal documents
 - Monitoring collection of 2019/2020 policy & renewal documents on Workers' Comp, Liability, Property, & Employee Fidelity/Excess Crime
- Safety Stamp program has been converted to electronic distribution
- Affirmative Action: transferring data from Littler to Biddle Consultants
- Legal review/revision of FMLA templates
- Coordinating with legal counsel on the legal ramifications of background check requirement by Reclamation for implementation for existing, and future staff

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.
 - Vets 4212 has been completed
- Working on research and evaluation of website accessibility for ADA compliance

Ongoing:

- FMLA notices/follow ups
- COBRA notices/follow ups
- Health benefits eligibility/employee assistance
- Maintain OSHA logs for 2019 calendar year
- Wellness program

Safety Department

No safety investigations this month. Purchased new generator for OPP/JPP. Received new motor grader. Ordered new vehicles. Support for OPP overhaul. Support for JPP Unit Rewind. Completed FY21 budget. Asbestos training for OPP rotor bus bar work. Work on JPP Exciter/Control Panel project. Job Hazardous Analysis (JHA) reviews.

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 complete.

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

Status: Project complete.

DMC Subsidence Mitigation

Status: Provided milepost and flowrate information to Reclamation that coincided with their bathymetric survey points. This information will be used to help calibrate the HEC-RAS model that will be developed by the USBR. Assisted with the preparation of the NEPA/CEQA documents.

C.W. “BILL” JONES PUMPING PLANT (JPP)

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

Status: Two proposals were reviewed by SLDMWA. After review of the proposals from Voith Hydro Group the SLDMWA staff concluded that the static excitation system is the preferred approach for the JPP project. This is based on the complexity and the cost of the brushless system. SLDMWA staff will be requesting Reclamation Denver Office engineering staff to continue to the 60% design phase using the static system.

JPP Unit No. 2 Rewind

Status: JPP Unit No. 2 rewind work is ongoing and on schedule. New laminations manufactured by Donako passed shop inspection. New lamination will arrive on site by November 22. National Electric Coil (NEC) has mobilized to the site for removal of existing stator laminations and rotor refurbishment. NEC onsite crew went through safety and Hazard Energy Control Program (HECP) training provided by SLDMWA. NEC crew removed the stator windings and laminations. JPP plant mechanics provide overhead gantry crane operation support for NEC.

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 enclosing tube has been sand blasted/painted and transported to site. The pump bowl machining and guide bearing carrier machining has been completed and transported to site. PO has been issued for shaft straightness checks to UNICO. New shaft seal retainer ring has been manufactured. The sand blasting and coating vendor is on site and currently working on penstock. The sand blasting and coating work is

EXTRAORDINARY O&M & CAPITAL PROJECTS

estimated to be completed by December 5th. OPP crew is working to complete the replacement of the man-door retaining fasteners. All the existing bearing carriers are refurbished and new pump guide bearing is on site. The Project remains on schedule.

Rehabilitate Penstock Interiors - Unit No. 4 (1800461)

Status: F.D. Thomas remobilized to site on 10/30/2019 after mobilizing to a different project for 3 weeks. Coating removal in penstock will begin immediately, and the suction elbow will follow.

Main Transformers Condition Assessment

Status: The primary bushing replacement is complete and fully operational. The oil test results indicate that the transformers at a minimum require a 'Hot Oil Conditioning' process to clean up the sludge starting to appear in the oil. Reclamation's recommendation is to test the oil quarterly to monitor acid and sludge build-up until the transformers are refurbished FY2022. The next tests are scheduled in December.

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

	September-2019	September-2018
JONES PUMPING PLANT - PUMPED	242,885	240,769
DCI PLANT - PUMPED	15,547	24,019
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	80,293	79,937
O'NEILL P/G PLANT - GENERATED	0	1,561
DMC DELIVERIES	53,794	53,633
RIVER/WELL/RECYCLE WATER INTO DMC	3,002	6,118
MENDOTA POOL DELIVERIES	91,509	85,888
SHASTA RESERVOIR STORAGE	3,425,500	2,405,100
SAN LUIS RESERVOIR STORAGE	1,258,666	1,115,040
* FEDERAL SHARE	463,669	401,015

	September-2019	September-2018
SAN LUIS UNIT DELIVERIES	8,665	7,520
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	6,626	9,481

Jones Pumping Plant monthly average = 4,082 cfs



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
September 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: 10/15/19

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)
Total Pumped @ Jones Pumping Plant	242,885			
Total Pumped @ DCI	(15,547)			
Total Reversed @ DCI	0			
City of Tracy		0	1,160	1,160
Byron Bethany I.D.		283	108	391
West Side I.D.		0	0	0
Banta Carbona I.D.		1	0	1
West Stanislaus I.D.		0	0	0
Patterson I.D.		0	0	0
Del Puerto W.D.		6,723	0	6,723
Central California I.D. - above check #13		1,344	0	1,344
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		2,153	0	2,153
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		12,752	0	12,752
Total Pumped @ O'Neill PP	(80,293)			
Total Generated @ O'Neill PP	0			
Central California I.D. - below check #13		504	0	504
Grasslands W.D. (76.05-L)		22,126	0	22,126
Fish & Game Los Banos Refuge (76.05-L)		1,416	0	1,416
Fish & Wildlife Kesterson (76.05-L)		1,072	0	1,072
Freitas Unit (76.05-L)		511	0	511
Salt Slough Unit (76.05-L)		1,370	0	1,370
China Island (76.05-L)		81	0	81
San Luis W.D. - below check #13		480	0	480
Panoche W.D.		1,436	2	1,438
Eagle Field W.D.		53	0	53
Oro Loma W.D.		4	0	4
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		215	0	215
River and Groundwater well pump-in	1,927			
North Valley Regional Recycled Water Program	1,075			
Change in Canal Storage	220			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	150,222			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(53,794)	52,524	1,270	53,794
Theoretical DMC Delivery to Mendota Pool	96,428			
Total Estimated DMC Delivery to MP (determined at Check 20)	90,497			
Estimated (Loss) or Gain in DMC	(5,931)			
Estimated % Loss or Gain in DMC	-2.44%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
September 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	90,497			
Mendota Pool Groundwater Well Pump-In	460			
(+)SJRR Releases into Mendota Pool	6,173			
(+)Kings River Flood Releases into the Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		41,228	0	41,228
Columbia Canal Company (CCC)		6,676	0	6,676
Firebaugh Canal Water District (FCWD)		2,456	0	2,456
San Luis Canal Company (SLCC)		2,037	0	2,037
<u>Refuge:</u>				
Conveyance Losses		2,292	0	2,292
Calif Dept of F/G-LB Unit (CCID)		661	0	661
Calif Dept of F/G-LB Unit (SLCC)		2,994	0	2,994
Calif Dept of F/G-Salt Slough Unit (CCID)		640	0	640
Calif Dept of F/G-China Island Unit (CCID)		38	0	38
US Fish & Wildlife-San Luis Refuge (SLCC)		3,850	0	3,850
US Fish & Wildlife-Freitas (CCID)		239	0	239
US Fish & Wildlife-Kesterson (CCID)		500	0	500
Grasslands WD (CCID)		6,999	0	6,999
Grasslands WD (SLCC)		1,116	0	1,116
Grasslands (Private)		3,335	0	3,335
San Luis WD Conveyance (CCID)		45	0	45
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration:</u>				
SJRR		6,173	0	6,173
<i>Other: (see MP Operations Report)</i>		10,230	0	10,230
<i>Total Available Water in Mendota Pool</i>	97,130			
TOTAL DELIVERY FROM MENDOTA POOL	(91,509)	91,509	0	91,509
*Estimated (Loss) or Gain in Mendota Pool	(5,621)			
*Estimated % Loss or Gain in Mendota Pool	-5.79%			
Total System Delivery	(145,303)			
*Total Estimated System (Loss) or Gain	(11,552)			
*Total Estimated % System Loss or Gain	-4.59%			

Special Notes:



Jones Pumping Plant
September - 2019

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	5	CONTINUOUSLY	4284
2	5	CONTINUOUSLY	4284
3	5	CONTINUOUSLY	4278
4	5	CONTINUOUSLY	4276
5	5	CONTINUOUSLY	4288
6	5	CONTINUOUSLY	4289
7	5	CONTINUOUSLY	4285
8	5	CONTINUOUSLY	4312
9	5	CONTINUOUSLY	4202
10	5 to 3, 3 to 4	0001, 1308	3054
11	4	CONTINUOUSLY	3616
12	4 to 5	1200	3970
13	5	CONTINUOUSLY	4291
14	5	CONTINUOUSLY	4297
15	5	CONTINUOUSLY	4298
16	5	CONTINUOUSLY	4304
17	5 to 3	0001	2624
18	3	CONTINUOUSLY	2615
19	3 to 5	1204	3466
20	5	CONTINUOUSLY	4303
21	5	CONTINUOUSLY	4300
22	5	CONTINUOUSLY	4299
23	5	CONTINUOUSLY	4307
24	5	CONTINUOUSLY	4299
25	5	CONTINUOUSLY	4310
26	5	CONTINUOUSLY	4321
27	5	CONTINUOUSLY	4330
28	5	CONTINUOUSLY	4328
29	5	CONTINUOUSLY	4321
30	5	CONTINUOUSLY	4304
31			
AVG CFS for the month			4082



NON-PROJECT WATER CREDITS REPORT
 (ALL FIGURES IN ACRE FEET)
 September 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 Buena; Lon Martin; Lydia Sosa; Margaret Howe; Margie Lowe; Mark Rhodes; Marta Rivas; Melody Hernandez; Reza Shahcheraghi; Rick Gilmore; Sandra Reyes; Sheryl Carter; Siqing Liu; Stacey Smith; Wes Harrison

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

Date: 10/15/19

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	18,477,401	18,477,617	1	0	BCID	1	0	1	9,500
20.42-L	18,477,401	18,477,617	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	46,798	46,798	1	0	WSTAN	0	0	0	0
31.31-L2	46,798	46,798	1	0	DPWD	0	0	0	0
31.31-L3	46,798	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	4,536,897	4,620,793	1	0	PID	0	0	0	1,200
42.53-L	4,536,897	4,620,793	1	0	DPWD	0	0	0	0
42.53-L	4,536,897	4,620,793	1	0	USB/FWA	1,926	0	1,926	2,868
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
UPPER DMC SUB TOTAL								1,927	13,568



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

September 2019 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	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	10,791	1	(1)	PANOCH/MS	0	0	0	0
98.74-L	5,695	5,695	1.14	0	PANOCH/MS	0	0	0	0
99.24-L	10,493	10,493	0.92	0	PANOCH/MS	0	0	0	0
100.70-L	6,211	6,211	1	0	PANOCH/MS	0	0	0	0
102.04-R	1,000	1,000	1	0	WIDREN WD	0	0	0	0
LOWER DMC SUB TOTAL								0	0
WARREN ACT CONTRACT CREDIT TOTAL								1,927	13,568
TOTAL GROSS PUMP-IN						CREDIT			
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)						0	0	0	0
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)						0	0	0	0
TOTAL (DEL PUERTO WATER DISTRICT)						0	0	0	0
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)						0	0	0	0
TOTAL (PATTERSON IRRIGATION DISTRICT)						0	0	1,200	0
TOTAL (SAN LUIS WATER DISTRICT)						0	0	0	0
TOTAL (PANOCH/MS WATER DISTRICT)						0	0	0	0
TOTAL (MERCY SPRINGS WATER DISTRICT)						0	0	0	0
TOTAL (WIDREN WATER DISTRICT)						0	0	0	0
TOTAL (FIREBAUGH WATER DISTRICT)						0	0	0	0
Other Warren Act Conveyance Credit Totals									
Del Puerto Water District:						0	0	0	0
Banta Carbona Irrigation District:						1	1	9,500	0
West Stanislaus Irrigation District:						0	0	0	0
Byron Bethany Irrigation District:						0	0	0	0
Patterson Irrigation District:						0	0	0	0
San Joaquin River Restoration Pump Back BCID:						0	0	0	0
San Joaquin River Restoration Pump Back PID:						1,926	1,926	2,868	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: 10/15/19

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FCWD	0	0	0	0	0	0	0	0	0				0
CCID	0	0	0	0	0	0	0	0	0				0
FRESNO SLOUGH	69	222	219	224	181	282	278	76	27				1,578
TPUD	0	0	24	0	0	15	25	25	0				89
JAMES I.D.	0	1,105	0	5,666	5,083	3,045	7,307	10,989	3,138				36,333
MEYERS	777	1,280	812	1,073	889	897	543	218	70				6,559
M.L. DUDLEY & INDART 1	11	26	79	172	170	426	828	423	233				2,368
MID VALLEY* (Kings River)	0	0	0	0	369	952	0	0	0				1,321
REC. DIST. 1606	0	0	0	62	0	0	0	0	0				62
STATE FISH & WILDLIFE	1,498	804	549	400	682	512	1,535	1,752	3,068				10,800
TRACTION	743	356	494	425	609	581	996	1,111	1,080				6,395
UNMETERED	55	10	50	50	150	190	200	140	550				1,395
Total	2,296	1,170	1,093	875	1,441	1,283	2,731	3,003	4,698	0	0	0	18,590
COELHO FAMILY TRUST 2	33	79	348	699	629	1,128	1,340	608	438				5,302
TRANQUILITY I.D.	293	1,885	1,415	2,257	2,558	4,862	5,660	3,626	1,597				24,153
WESTLANDS LATERAL-6	0	0	0	192	46	189	0	0	0				427
WESTLANDS LATERAL-7	0	0	0	387	1,273	3,790	0	0	0				5,450
CARVALHO TRUST	9	9	36	94	102	144	95	32	29				550
TOTAL	3,488	5,776	4,026	11,701	12,741	17,013	18,807	19,000	10,230	0	0	0	102,782

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%	25%	0%	10%	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 AF
 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 90,497 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



SAN LUIS UNIT DELIVERIES

(ALL FIGURES IN ACRE-FEET)

September 2019

To: Erma Leal; Gabe Mora; Katrina Buelna; Linda Colella; Mark Rhodes; Joyce Machado; 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: 10/15/19

O'NEILL FOREBAY AND POOL 13, SAN LUIS CANAL

O'NEILL FOREBAY WILDLIFE AREA		175
SAN LUIS WATER DISTRICT	AG	607
	M&I	59
V.A. CEMETERY		75
SUBTOTAL		916

SAN LUIS CANAL, POOLS 14 THRU 21

SAN LUIS WATER DISTRICT	AG	5118
	M&I	4
PANOCHÉ WATER DISTRICT	AG	1716
	M&I	12
PACHECO WATER DISTRICT	AG	899
	M&I	0
PACHECO C.C.I.D. NON PROJECT		0
SUBTOTAL		7749

TOTAL SAN LUIS UNIT 8665

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

VALLEY WATER		3473
SAN BENITO CO. W.D.		3153
CASA DE FRUTA		0
TOTAL		6626



Monthly Availability Report

CW "Bill" Jones Pumping Plant

September - 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%	0	
Unit-2	720	720.0	100.00%	0.0	0.00%	0.00%	0	1) Unit Rewind
Unit-3	720	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-4	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%	2	
Unit-6	720	0.0	0.00%	0.0	0.00%	100.00%	2	
Total	4320	720.0	17%	0.0	0.00%	83.00%	5	

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
September - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	720	52.2	7.25%	65.2	9.06%	83.69%	2	0	1) Bushing Replacement 2) Distributor Head Repair
Unit-2	720	58.7	8.15%	0.0	0.00%	91.85%	1	0	1) Bushing Replacement
Unit-3	720	58.7	8.15%	0.0	0.00%	91.85%	3	0	1) Bushing Replacement
Unit-4	720	720.0	100.00%	0.0	0.00%	0.00%	0	0	1) Unit Rehab/Bushing Replacement
Unit-5	720	58.7	8.15%	0.0	0.00%	91.85%	5	0	1) Bushing Replacement
Unit-6	720	58.7	8.15%	0.0	0.00%	91.85%	2	0	1) Bushing Replacement
Total	4320	1007.0	23%	65.2	1.51%	75.49%	13	0	

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

September - 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%	1	
Unit-5	720	0.0	0.00%	0.0	0.00%	100.00%	3	
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%	6	

Notes:

(1) Planned maintenance

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