



January 9, 2020

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Engineering & Planning Department Manager

Subject: O&M Report for December, 2019

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) began the month of December at two units. Pumping was increased to four units on December 2nd and five units on December 13th due to available water in the Delta. Pumping was reduced on December 25th to four units due to a JPP Unit 6 trip caused by an arc in the exciter. Five-unit pumping resumed on December 30th. Average pumping for the month of December was 3,570 cfs.

Per Bureau of Reclamation direction, pumping was temporarily reduced several times during the month for louver cleaning operations due to problems with the primary louvers at the Tracy Fish Collection Facility (TFCF). New louvers were fabricated and installed by Reclamation's outside contractor and issues with seating the louvers during cleaning occurred due to the new design of the louvers lower guide sleeves. On December 23rd, Authority crews were called upon to modify the lower guide sleeves back to their original design. The crew worked long hours during the holidays and completed the work on December 30th and scheduled pumping reductions for louver cleaning were discontinued.

Total pumping at the JPP for the month of December was 219,481 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 181,570 acre-feet and no water was generated. The Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) pumped 14,150 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 December 31st was 398,444 acre-feet as compared to 634,540 acre-feet on December 31st, 2018.

Releases from Friant Dam for the month of December ranged from 370 to 410 cfs and flows entering the Mendota Pool ranged from 131 to 175 cfs. Flows of 131 to 171 cfs were released passed Mendota Dam for the San Joaquin River Restoration Program (SJRRP).

During the month of December, 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 December:

- JPP Unit 2; Suction Elbow inspection
- JPP Unit 6; Exciter cleaning and repair
- JPP Butterfly Valve Oil and Air Systems; Filter and blow-down valve replacement
- O'Neill Unit 3; Exciter cleaning and repair

Civil Maintenance Department

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

- Clean DMC creek overchutes
- Repaint DMC Check's 11 & 16 block houses
- Clean DMC parallel drain (Bell & Stuhr Roads)
- Assist with O'Neill Unit 4 penstock and main unit rehabilitations
- DMC Checks 1-13 inspections
- Pour concrete pad for carport at LBFO
- Repair to DMC intake channel operating road
- 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
- Calibrate O'Neill siphon breaker system vacuum transducer
- Completed update on DCI SCADA cabinet for PLC expansion
- Continued programming of O'Neill Unit 4 alarm annunciator
- DMC Check 20 downstream level detector replacement
- Clean and repair O'Neill Unit 3 diode wheel (exciter)
- Completed annual maintenance on JPP Unit 3
- Volta Wells preventive maintenance
- Replaced DMC Check 10, Gate #2 motor
- Clean and repair JPP Unit 6 exciter after arc event

Mechanical Staff:

- O'Neill Unit 4 main unit and penstock rehabilitation: Coating contractor completed first blasting of penstock. Crew assisted Engineering with ultrasonic thickness testing of penstock; no weld repairs required.
- JPP Unit 2 rewind: NEC installed stator through-bolts, bottom finger press plates, and began stacking and pressing of laminations. Authority crews continued to provide crane support.
- Completed JPP Unit 3 annual maintenance
- Assist with JPP Unit 6 exciter cleaning and repair
- Replaced broken union in TFO Water Treatment Plant
- Preventive maintenance on Volta Wells
- Modifications to TFCF Primary Louvers (36)

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, OPP cathodic protection survey, JPP unit 2 rewind project, JPP slip ring commutator repairs, JPP air wash system replacement, DMC subsidence mitigation project, and website management activities. Planning support was provided for civil, mechanical & electrical maintenance activities.

Land Management Activity Summary:

No access permits were issued this month.

Continued providing additional information to engineering firm Wood Rodgers regarding DMC area adjacent to the Crows Landing Business Park. Continued working with Firebaugh Canal Water District regarding meter replacement at MP109.45-R. Assisted with the USBR/SLDMWA Transfer Agreement revision reviews and negotiations. Prepared a letter to Reclamation requesting a delegation of authority to issue access permits for temporary use (less than one year) of the USBR right of way.

Safety Department

Support OU-4 penstock rehab, support JU-2 rewind, JHA reviews, year-end CARB reports, routine safety related work, routine fleet support, preparing for FY21/22 budget.

Ca/OSHA performed an unannounced site visit at the O'Neill Plant on 12/13/2019 to investigate the contractor injury of 11/26/2019 which resulted in the amputation of a finger from a contractor employee. The initial comments from the Cal/OSHA inspector indicate that their investigation will be centered on the contractor (F.D. Thomas) since all indications are that the only role the Authority played was as a reporting entity.

HR Department

General Administrative Activities:

- Recruitment:
 - Heavy equipment operator, recruitment open until filled, first review December 13th
 - New hire orientation will take place on Monday, January 6th for our maintenance worker and inventory control clerk positions
- Employee handbook rollout: determining effective date of adding new DOT national database reporting policy prior to final issue
- Coordination of DMV and insurance paperwork for sale of surplus vehicles
- Preparing for FY21/22 budget
- Preparing for annual quarterly safety meeting – Attendance awards, scratchers
- JPIA:
 - Property Claims Management: report filing, coordinating adjuster, repairs, billing; collecting policy renewal documents
 - ACA Reporting – Provide any updates/required documents to the JPIA by January 31, 2020. This information is necessary in order to process the Water Authority's ACA employer reporting tax forms

Trainings/ Conferences:

- Laures attended the Fall ACWA/JPIA Conference December 2, 2019 – December 5, 2019.
- Laures and Stephanie will be attending the 2020 Annual Legal Update Luncheon sponsored by Central Valley HR Management Association on January 15, 2020.
- On-going Sexual Harassment Training scheduling for all staff

Government Reporting:

- Continuing to coordinate with consultant on finalizing GreatPlains 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

Annual Postings:

- OSHA Logs - February 1, 2020 is the deadline to post OSHA 300A log at each location for calendar year 2019; March 2, 2020 is the deadline to report OSHA 300A log data electronically for calendar year 2019
- CA Employment Law Posters: Post 2020 posters along with AA Policy Statement

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: Project complete.

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

Status: Project complete.

DMC Subsidence Mitigation

Status: No significant activity was performed this month. USBR continued with the development of the HEC-RAS model. The USBR contractor that performed LiDAR survey of the DMC is compiling the survey data. Upon receipt of the data, Reclamation staff will combine it with the bathymetric survey data and this dataset will be uploaded into the HEC-RAS model.

C.W. “BILL” JONES PUMPING PLANT (JPP)

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

Status: USBR Denver Office engineering staff continues to work on the design of the static system.

JPP Unit No. 2 Rewind

Status: JPP Unit No. 2 rewind work is ongoing and on schedule. NEC has transitioned from teardown and repair to re-assembly. The rotor coil assembly dove tails were inspected and found satisfactory. The stator key bars which define the alignment of the lamination stacks have been adjusted and lamination installation (19 stacks) has been completed to the first set of hydraulic pressings (38 places – 25 Ton jacks). NEC will return from the holiday break on January 6th, 2020.

JPP Arc Flash Hazard Breaker Research

Status: Reclamation Denver Office identified the recommended replacement breakers. The list has been sent to vendors (Platt, Allied Electrical & Grainger) for quotes.

JPP/OPP/DCI Fire Protection Systems Assessment

Status: Contacted Reclamation for TSC –Denver to provide engineering support.

O’NEILL PUMPING/GENERATING PLANT (OPP)

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

Status: Reclamation has required that the pump manufacturer provide the design drawings and procedures for this modification. The local agent for Fairbanks Morse has been contacted and provided drawings. Expect an initial response by January 2020.

Rehabilitate Pump Assemblies Unit No. 4 (1900462)

Status: Pump bowl weld repairs to vanes was completed along with epoxy repairs to the vane housing. Final repairs to the lower enclosing tube sections are complete and coating is in progress. Suction elbow coating is complete, so flange preparation has begun. Next step is setting vane housing and establishing center.

EXTRAORDINARY O&M & CAPITAL PROJECTS

Rehabilitate Penstock Interiors - Unit No. 4 (1800461)

Status: F.D. Thomas completed the inspection blast of the penstock on December 11th, and turned it over to the Water Authority for ultrasonic testing (UT) and inspection. UT testing was performed on the penstock, and no significant metal loss was encountered. Repairs will be done using a two-part epoxy material to be applied by the contractor. Contractor completed the embedded suction elbow at base of plant, and completed the coating on remaining disassembled pump pieces. Penstock coating is to be completed on Jan 14 and flowmeter to be installed and commissioned by Accusonics by Feb 7th.

Main Transformers Condition Assessment

Status: Reclamation staff finalizing the Condition Assessment report. Planned disposal of two old Type "U" bushings will be serviced by PARC Environmental. RESA has serviced oil DGA tests for the quarterly monitoring.

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

	November-2019	November-2018
JONES PUMPING PLANT - PUMPED	83,674	150,041
DCI PLANT - PUMPED	0	0
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	27,182	74,982
O'NEILL P/G PLANT - GENERATED	30,249	151
DMC DELIVERIES	27,607	26,467
RIVER/WELL/RECYCLE WATER INTO DMC	2,974	4,546
MENDOTA POOL DELIVERIES	59,802	55,722
SHASTA RESERVOIR STORAGE	3,209,200	2,177,000
SAN LUIS RESERVOIR STORAGE	877,224	1,172,985
* FEDERAL SHARE	250,820	429,481
	November-2019	November-2018
SAN LUIS UNIT DELIVERIES	5,314	4,315
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	7,714	8,521

Jones Pumping Plant monthly average = 1,406 cfs



San Luis & Delta-Mendota Water Authority
Monthly Deliveries
November 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: 12/19/19

Revision Date: 12/23/19

<u>District/Other</u>	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
Total Pumped @ Jones Pumping Plant	83,674			
Total Pumped @ DCI	0			
Total Reversed @ DCI	0			
City of Tracy		0	397	397
Byron Bethany I.D.		121	17	138
West Side I.D.		0	0	0
Banta Carbona I.D.		1,273	0	1,273
West Stanislaus I.D.		0	0	0
Patterson I.D.		0	0	0
Del Puerto W.D.		2,638	0	2,638
Central California I.D. - above check #13		924	0	924
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		1,200	0	1,200
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		3,505	0	3,505
Total Pumped @ O'Neill PP	(27,182)			
Total Generated @ O'Neill PP	30,249			
Central California I.D. - below check #13		508	0	508
Grasslands W.D. (76.05-L)		10,117	0	10,117
Fish & Game Los Banos Refuge (76.05-L)		1,726	0	1,726
Fish & Wildlife Kesterson (76.05-L)		1,018	0	1,018
Freitas Unit (76.05-L)		1,050	0	1,050
Salt Slough Unit (76.05-L)		1,125	0	1,125
China Island (76.05-L)		173	0	173
San Luis W.D. - below check #13		364	0	364
Panoche W.D.		280	2	282
Eagle Field W.D.		19	0	19
Oro Loma W.D.		1	0	1
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		1,149	0	1,149
River and Groundwater well pump-in	1,959			
North Valley Regional Recycled Water Program	1,015			
Change in Canal Storage	(368)			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	89,302			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(27,607)	27,191	416	27,607
Theoretical DMC Delivery to Mendota Pool	61,695			
Total Estimated DMC Delivery to MP (determined at Check 20)	59,307			
Estimated (Loss) or Gain in DMC	(2,388)			
Estimated % Loss or Gain in DMC	-2.10%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
November 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	59,307			
Mendota Pool Groundwater Well Pump-In	161			
(+)SJRR Releases into Mendota Pool	8,502			
(+)Kings River Flood Releases into the Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		18,519	0	18,519
Columbia Canal Company (CCC)		6,004	0	6,004
Firebaugh Canal Water District (FCWD)		1,744	0	1,744
San Luis Canal Company (SLCC)		4,996	0	4,996
<u>Refuge:</u>				
Conveyance Losses		4,697	0	4,697
Calif Dept of F/G-LB Unit (CCID)		406	0	406
Calif Dept of F/G-LB Unit (SLCC)		525	0	525
Calif Dept of F/G-Salt Slough Unit (CCID)		265	0	265
Calif Dept of F/G-China Island Unit (CCID)		41	0	41
US Fish & Wildlife-San Luis Refuge (SLCC)		4,947	0	4,947
US Fish & Wildlife-Freitas (CCID)		247	0	247
US Fish & Wildlife-Kesterson (CCID)		240	0	240
Grasslands WD (CCID)		843	0	843
Grasslands WD (SLCC)		1,879	0	1,879
Grasslands (Private)		1,538	0	1,538
San Luis WD Conveyance (CCID)		6	0	6
Del Puerto WD Conveyance (CCID)		14	0	14
<u>San Joaquin River Restoration:</u>				
SJRR		8,456	0	8,456
<u>Other: (see MP Operations Report)</u>		4,435	0	4,435
<i>Total Available Water in Mendota Pool</i>	67,970			
TOTAL DELIVERY FROM MENDOTA POOL	(59,802)	59,802	0	59,802
*Estimated (Loss) or Gain in Mendota Pool	(8,168)			
*Estimated % Loss or Gain in Mendota Pool	-12.02%			
Total System Delivery	(87,409)			
*Total Estimated System (Loss) or Gain	(10,556)			
*Total Estimated % System Loss or Gain	-8.50%			

Special Notes:



Jones Pumping Plant
November - 2019

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	1	CONTINUOUSLY	807
2	1	CONTINUOUSLY	808
3	1	CONTINUOUSLY	808
4	1 to 3	0001	2763
5	3	CONTINUOUSLY	2777
6	3 to 1	0001	881
7	1	CONTINUOUSLY	876
8	1	CONTINUOUSLY	876
9	1	CONTINUOUSLY	876
10	1	CONTINUOUSLY	876
11	1	CONTINUOUSLY	876
12	1	CONTINUOUSLY	876
13	1	CONTINUOUSLY	877
14	1	CONTINUOUSLY	877
15	1	CONTINUOUSLY	876
16	1	CONTINUOUSLY	876
17	1	CONTINUOUSLY	874
18	1 to 3	0001	2660
19	3 to 1	0600	1280
20	1 to 2	2302	844
21	2 to 4	0001	3469
22	4	CONTINUOUSLY	3476
23	4 to 1	0001	938
24	1	CONTINUOUSLY	925
25	1	CONTINUOUSLY	928
26	1 to 2	0001	1832
27	2	CONTINUOUSLY	1812
28	2	CONTINUOUSLY	1853
29	2	CONTINUOUSLY	1828
30	2	CONTINUOUSLY	1828
31			
AVG CFS for the month			1405



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

November 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: 12/17/19

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	18,477,617	18,477,617	1	0	BCID	0	0	0	9,500
20.42-L	18,477,617	18,477,617	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	46,798	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	4,712,661	4,798,009	1	0	PID	0	0	0	1,200
42.53-L	4,712,661	4,798,009	1	0	DPWD	0	0	0	0
42.53-L	4,712,661	4,798,009	1	0	USBR/FWA	1,959	0	1,959	6,936
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								1,959	17,636



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

November 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	10,791	10,791	1	0	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								1,959	17,636
TOTAL GROSS PUMP-IN								CREDIT	
TOTAL (BYRON BETHANY IRRIGATION DISTRICT)						0		0	0
TOTAL (BANTA CARBONA IRRIGATION DISTRICT)						0		0	0
TOTAL (DEL PUERTO WATER DISTRICT)						0		0	0
TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)						0		0	0
TOTAL (PATTERSON IRRIGATION DISTRICT)						0		0	1,200
TOTAL (SAN LUIS WATER DISTRICT)						0		0	0
TOTAL (PANOCH/MS WATER DISTRICT)						0		0	0
TOTAL (MERCY SPRINGS WATER DISTRICT)						0		0	0
TOTAL (WIDREN WATER DISTRICT)						0		0	0
TOTAL (FIREBAUGH WATER DISTRICT)						0		0	0
Other Warren Act Conveyance Credit Totals									
Del Puerto Water District:						0		0	0
Banta Carbona Irrigation District:						0		0	9,500
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:						0		0	0
San Joaquin River Restoration Pump Back PID:						1,959		1,959	6,936

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: 12/17/19

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FCWD	0	0	0	0	0	0	0	0	0	0	0		0
CCID	0	0	0	0	0	0	0	0	0	0	0		0
FRESNO SLOUGH	69	222	219	224	181	282	278	76	27	0	24		1,602
TPUD	0	0	24	0	0	15	25	25	0	0	0		89
JAMES I.D.	0	1,105	0	5,666	5,083	3,045	7,307	10,989	3,138	342	812		37,487
MEYERS	777	1,280	812	1,073	889	897	543	218	70	46	25		6,630
M.L. DUDLEY & INDART ¹	11	26	79	172	170	426	828	423	233	216	110		2,694
MID VALLEY* (Kings River)	0	0	0	0	369	952	0	0	0	0	0		1,321
REC. DIST. 1606	0	0	0	62	0	0	0	0	0	0	0		62
STATE FISH & WILDLIFE	1,498	804	549	400	682	512	1,535	1,752	3,068	3,857	1,877		16,534
TRACTION	743	356	494	425	609	581	996	1,111	1,080	1,294	692		8,381
UNMETERED	55	10	50	50	150	190	200	140	550	150	50		1,595
Total	2,296	1,170	1,093	875	1,441	1,283	2,731	3,003	4,698	5,301	2,619	0	26,510
COELHO FAMILY TRUST ²	33	79	348	699	629	1,128	1,340	608	438	426	121		5,849
TRANQUILITY I.D.	293	1,885	1,415	2,257	2,558	4,862	5,660	3,626	1,597	1,286	702		26,141
WESTLANDS LATERAL-6	0	0	0	192	46	189	0	0	0	0	0		427
WESTLANDS LATERAL-7	0	0	0	387	1,273	3,790	0	0	0	0	0		5,450
CARVALHO TRUST	9	9	36	94	102	144	95	32	29	32	22		604
TOTAL	3,488	5,776	4,026	11,701	12,741	17,013	18,807	19,000	10,230	7,649	4,435	0	114,866

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%	100%	0%	100%	100%

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 0 AF

Oct, 2019
 DMC Inflow 78,893 AF
 James Bypass Flows 0 AF

Nov, 2019
 DMC Inflow 59,307 AF
 James Bypass Flows 0 AF

Dec, 2019
 DMC Inflow AF
 James Bypass Flows AF



Date: 12/17/19

2 aka COELHO-GARDNER-HANSEN

[illegible]

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

REVISED 12/11/19

NOVEMBER 2019

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 7715			Parks & Rec. @ San Luis Reservoir	1
			Santa Clara Valley Water District	5645
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	2069
R3 408	13		DFG @ O'Neill Forebay	178
	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	230
R4 8472	14		City of Dos Palos	94
	14		Pacheco Water District	375
	14		San Luis Water District	2288
	14		Panoche Water District	50
	15		San Luis Water District	976
	15		Panoche Water District	1194
	15		Westlands Water District	3495
R5 16911	16		DFG @ Lat. 4L (Pilibos)	0
	16		DFG @ Lat. 4L	23
	16		DFG @ Lat. 6L	0
	16		DFG @ Lat. 7L	0
	16		Westlands Water District	5650
	17		Westlands Water District	2927
	18		City of Coalinga	348
	18		Pleasant Valley Pumping Plant	3384
	18		Westlands Water District	4579
R6 5615	19		Alta Gas	1
	19		City of Huron (P&R-Area 11) @ Lat. 22R	2
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 29L & 30L	125
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	5487
5168	20		City of Huron @ Lat. 23R	67
	20		Kings County thru WWD 31L,32L,33L,34L,35L,36L	0
	20		Westlands Water District	3549
	21		City of Avenal	183
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	1369
44289		0	<---TOTALS--->	44289
TOTALS BY CUSTOMERS				
			Pacheco Water District	375
			San Luis Water District	3494
			Panoche Water District	1244
			Westlands Water District	30440
			AltaGas	1
			City of Huron @ LAT. 23R	67
			City of Huron (P&R/Area 11 @ 22R)	2
			Lemoore N.A.S. thru WWD @ 29L & 30L	125
			Kings County thru WWD Laterals in Pools 19 - 21	0
			City of Avenal	183
			City of Dos Palos	94
			City of Coalinga	348
			DFG @ O'Neill Forebay	178
			Pacheco Tunnel	7714
			DFG @ Lateral 4L & 6L & 7L	23
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	1
			0 AF for DWR Water Truck at O'Neill, 0 AF for Cattle Program @ O'Neill Reservoir	0
Customers Total:				44289
Pool 12 - Reach 2B VA Turnout Use AF = 22				
DWR 3137(Rev.9/15)				44311



Monthly Availability Report

CW "Bill" Jones Pumping Plant

November - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	721	0.0	0.00%	0.0	0.00%	100.00%	2	
Unit-2	721	721.0	100.00%	0.0	0.00%	0.00%	0	1) Unit Rewind/Rotor Rehabilitation
Unit-3	721	0.0	0.00%	312.0	43.27%	56.73%	5	2) Slip Ring Repair/Annual Maintenance
Unit-4	721	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-5	721	35.8	4.97%	0.0	0.00%	95.03%	2	1) Slip Ring Repair/Brush Change
Unit-6	721	9.4	1.30%	0.0	0.00%	98.70%	3	1) RTD Inspection
Total	4326	766.2	18%	312.0	7.21%	74.79%	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

November - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	721	0.0	0.00%	0.0	0.00%	100.00%	2	5	
Unit-2	721	0.0	0.00%	0.0	0.00%	100.00%	2	3	
Unit-3	721	0.0	0.00%	0.0	0.00%	100.00%	3	1	
Unit-4	721	697.0	96.67%	24.0	3.33%	0.00%	0	0	1) Unit Pump/Penstock Rehabilitation
Unit-5	721	0.0	0.00%	0.0	0.00%	100.00%	4	0	
Unit-6	721	0.0	0.00%	0.0	0.00%	100.00%	2	3	
Total	4326	697.0	16%	24.0	0.55%	83.45%	13	12	

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

November - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	721	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-2	721	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-5	721	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-6	721	0.0	0.00%	0.0	0.00%	100.00%	0	
Total	2884	0.0	0%	0.0	0.00%	100.00%	0	

Notes:

(1) Planned maintenance

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