



February 6, 2020

To: Pablo Arroyave, Chief Operating Officer

From: Paul Stearns, O&M Manager

Subject: O&M Report for January 2020

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) pumped at five units for nearly the entire month of January. Pumping was reduced to four units on January 6th for approximately 17 hours to allow for the exciter brushes on Jones Unit 4 to be changed. Pumping is scheduled to be reduced to three units on February 1st due to the D-1641 Delta outflow criteria. The average daily pumping rate for the JPP as of January 29th was 4,160 cfs.

As of January 29th, the total pumping at the JPP was 239,289 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 187,181 acre-feet and no water was generated. The Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) pumped 26,386 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 January 29th was 564,469 acre-feet as compared to 803,850 acre-feet on January 29th, 2019.

As of January 29th, releases from Friant Dam for the month of December ranged from 400 to 427 cfs and flows entering the Mendota Pool ranged from 167 to 185 cfs. Flows of 167 to 187 cfs were released passed Mendota Dam for the San Joaquin River Restoration Program (SJRRP).

During the month of January, Canal Operations staff members performed open channel and closed-pipe flow measurements, routine patrols, bi-weekly meter readings, well soundings, and meter maintenance. Staff attended the Cal Poly Irrigation and Training Research Center's (ITRC) Flow Measurement Workshop.

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

- JPP Unit 4; Exciter brush replacement and cleaning

Civil Maintenance Department

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

- Clean DMC Parallel Drain (Bell & Stuhr Roads)
- Assist with O'Neill Unit 4 penstock and main unit rehabilitations
- Replaced hydraulic ram on 10-yd dump truck
- Chemical and mechanical weed control
- Grading of San Luis Drain (SLD) and DMC intake channel operating roads
- Remove vegetation from O'Neill Forebay toe-drain ditches
- Forklift operation recertification
- Prepare DMC turnout 25.63-R for reactivation
- Erect carport for spray truck
- 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
- Garbage collection on DMC, SLD, and Wasteways

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
- Replaced exciter brushes on JPP Unit 4 and cleaned exciter of brush dust
- Replaced DMC Check 13 gate motors
- Repaired control cable at DMC Check 5 that was cut by vandals
- Removed electrical conduit and evaporation lines from JPP80-ton air conditioning unit in preparation of new air wash system installation
- Assist contractor with HVAC replacement at the Tracy Administration Office
- Replaced O'Neill 65-ton crane trolley contactor

Mechanical Staff:

- O'Neill Unit 4 main unit and penstock rehabilitation: Coating contractor completed work and demobilized. Main unit partial assembly for motor-to-pump (bottom) bearing alignment check. Reinstalled flow meters in penstock. Flow meter technician (Accusonic) scheduled to be on-site February 5th for sensor alignment checks. Estimated completion is February 28, 2020.
- JPP Unit 2 rewind: Contractor NEC performed the final stacking of laminations and final core press, performed successful stator core loop test, painted the stator core slots, installed surge ring and RTD's, and began installation of the stator coils. Authority crews continued to provide crane support. Estimated return to service is June 7, 2020.
- Began installation of new JPP air wash system (swamp cooler) for humidity control
- Assist with JPP Unit 4 exciter cleaning and brush replacement
- Assist with DMC Check 13 gate motor replacement
- Repaired JPP 100-ton gantry crane south rail
- Replaced DMC Check 1, gate #3 gear box
- Mechanical tests and inspections of DMC Checks 1-10
- Repair leak in potable water line at WAPA Tracy facility

Engineering and Planning Department

On January 14, 2020, Reclamation and the Authority executed a new 35-year O&M Transfer Agreement. In addition, on January 24, 2020, Reclamation issued a 3-year delegation of authority to the Authority to issue limited use authorization to third parties for activities on Reclamation lands.

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, JPP slip ring and commutator repairs (developing a carbon dust collection system), JPP air wash system replacement, TFCF primary louver guide repairs, JPP gantry crane rail repairs, DCI & OPP cathodic protection surveys, DCI U4 switchgear replacement, DCI electrical PMs, TFF electrical PMs, and DMC subsidence mitigation project. Planning support was provided for civil, mechanical & electrical maintenance activities.

Land Management Activity Summary:

A total of three (3) access permits were issued this month. Access permit P2002023 (Installation of new flow meters at MP99.82) issued to Firebaugh Canal Water District, was amended to reflect a new expiration date. Emergency permit P2002024 was issued to Firebaugh Canal Water District to repair the pipeline crossing located at DMC MP99.82. The last access permit, P2002025 was issued to Del Puerto Water District in order to remove the existing pump and motor located DMC MP25.63R.

Provided additional information to engineering firm Wood Rodgers regarding DMC area adjacent to the Crows Landing Business Park. Reviewed and approved stair design for FCWD meter site at MP109.45R. Provided support to TFCF with 350T crane rental. Inspected pipeline installation over NWW at Brazo road that was approved through a Reclamation license.

Safety Department

JHA support, two accident investigations, WAPA-Merced County Haz-Mat inspection at O'Neill Plant, asbestos removal work on O'Neill Unit 4 rotor, support on carbon brush problem at JPP, Control and Excitation replacement project at JPP, JPIA site visit at Tracy, support O'Neill Unit 4 overhaul, forklift recertification training, FY21 equipment purchasing.

HR Department

General Administrative Activities:

- Recruitment:
 - Heavy equipment operator: skills test/interviews held; position remains open until filled. Next review period to be determined.
 - Preparation for recruitment of FY 2021 approved positions as well as those vacated due to pending retirements.
- Employee handbook rollout: scheduling employee meetings to review recent changes/collect signed receipts in progress
- Preparing for annual quarterly safety meeting – Attendance recognition, safety jacket winners
- JPIA:
 - Property Claims Management: report filing, coordinating adjuster
 - ACA IRS (“healthcare W-2’s”) Reporting – review data, provide updates/required documents to the JPIA by January 31, 2020.

Trainings/ Conferences:

- Laures and Stephanie attended the 2020 Annual Legal Update Luncheon sponsored by Central Valley HR Management Association on January 15, 2020.
- Laures is scheduled to attend 2-day training at the JPIA for the PDP at the end of January.
- Scheduling continues for Sexual Harassment Training 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.
 - Affirmative Action Plan: transferring data from Littler to Biddle Consultants; preparing 2019 AAP reports
- Continuing research and evaluation of website accessibility for ADA compliance

Annual Postings:

- OSHA 300 Logs/Employer Postings – all sites were posted on January 23rd to comply with the OSHA deadline of February 1st.

Ongoing:

- FMLA notices/follow ups
- COBRA notices/follow ups
- Monthly Safety Scratcher distribution
- Health benefits eligibility/employee assistance
- Maintain OSHA logs for 2020 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: Reclamation staff is 90% complete with the development of the sole source procurement documents for the manufacturing of additional pumps, motors and valves for the Intertie Pumping Plant. The addition of these two pumps will help mitigate the lost capacity associated with the subsidence that has occurred on the upper DMC. The schedule is to award the supply contract in February and the delivery of the manufactured components is expected 36 weeks after the NTP. During the 36-week manufacturing period, Reclamation will develop contract documents, solicit contractors and award a contract for the installation of the manufactured components. Installation of the pumps, motors and valves is planned for November, 2020. Reclamation is continuing their work on finalizing 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 returned to work on January 6th after holiday break. NEC is installing stator coils during this rebuild phase of the project. The coil installation is detailed procedure and requires constant quality control and then testing to ensure no coil was damaged during installation. The ring buses and RTDs are also getting installed simultaneously.

JPP Arc Flash Hazard Breaker Research

Status: Investigated the circuit breaker mechanism at the MCCs. We have shown vendor AIES the mechanism and have requested sample breakers for fit test.

JPP/OPP/DCI Fire Protection Systems Assessment

Status: Seeking engineering support from Reclamation TSC – Denver Office.

O’NEILL PUMPING/GENERATING PLANT (OPP)

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

Status: Fairbanks Morse engineering is coming for a site visit on February 6th to gather information to develop a cost estimate for the design and fabrication of the new access opening.

EXTRAORDINARY O&M & CAPITAL PROJECTS

Rehabilitate Pump Assemblies Unit No. 4 (1900462)

Status: The project has entered into assembly phase. The OPP crew put together the impeller assembly and installed it. The suction piece was leveled and pump bowl was mounted on top of it. Shaft sleeves were sent out to vendor for refurbishment. The crew moved the motor to its final place to begin the process of rotor shaft assembly. After the motor, rotor shaft, and thrust collar assembly are completed, the process to center the rotor shaft on top of pump bowl will begin. The estimated completion date for this project is February 28th, 2020.

Rehabilitate Penstock Interiors - Unit No. 4 (1800461)

Status: All work on penstock and pump parts has been completed by F.D. Thomas. Final site clean up to be completed by 1st week of February. Flowmeter installation in progress with the Accusonics representative scheduled to be onsite the first week of February to commission the flowmeter.

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.

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: Preliminary research of project began.



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

NOTE: ALL FIGURES ARE IN ACRE FEET

	December-2019	December-2018
JONES PUMPING PLANT - PUMPED	219,481	240,151
DCI PLANT - PUMPED	14,150	21,443
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	181,570	201,219
O'NEILL P/G PLANT - GENERATED	0	0
DMC DELIVERIES	3,562	4,134
RIVER/WELL/RECYCLE WATER INTO DMC	2,439	4,506
MENDOTA POOL DELIVERIES	25,151	19,705
SHASTA RESERVOIR STORAGE	3,329,900	2,267,900
SAN LUIS RESERVOIR STORAGE	1,286,842	1,502,521
* FEDERAL SHARE	398,444	634,540

	December-2019	December-2018
SAN LUIS UNIT DELIVERIES	481	495
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	4,990	7,112

Jones Pumping Plant monthly average = 3,570 cfs



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
December 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: 1/14/20

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	219,481			
Total Pumped @ DCI	(14,150)			
Total Reversed @ DCI	0			
City of Tracy		0	311	311
Byron Bethany I.D.		2	0	2
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.		106	0	106
Central California I.D. - above check #13		8	0	8
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		392	0	392
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		1,388	0	1,388
Total Pumped @ O'Neill PP	(181,570)			
Total Generated @ O'Neill PP	0			
Central California I.D. - below check #13		0	0	0
Grasslands W.D. (76.05-L)		155	0	155
Fish & Game Los Banos Refuge (76.05-L)		68	0	68
Fish & Wildlife Kesterson (76.05-L)		104	0	104
Freitas Unit (76.05-L)		94	0	94
Salt Slough Unit (76.05-L)		109	0	109
China Island (76.05-L)		113	0	113
San Luis W.D. - below check #13		30	0	30
Panoche W.D.		35	2	37
Eagle Field W.D.		17	0	17
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		628	0	628
River and Groundwater well pump-in	1,293			
North Valley Regional Recycled Water Program	1,146			
Change in Canal Storage	127			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	26,282			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(3,562)	3,249	313	3,562
Theoretical DMC Delivery to Mendota Pool	22,720			
Total Estimated DMC Delivery to MP (determined at Check 20)	23,455			
Estimated (Loss) or Gain in DMC	735			
Estimated % Loss or Gain in DMC	0.33%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
December 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	23,455			
Mendota Pool Groundwater Well Pump-In	0			
(+)SJRR Releases into Mendota Pool	9,495			
(+)Kings River Flood Releases into the Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		1,755	0	1,755
Columbia Canal Company (CCC)		161	0	161
Firebaugh Canal Water District (FCWD)		1,279	0	1,279
San Luis Canal Company (SLCC)		3,364	0	3,364
<u>Refuge:</u>				
Conveyance Losses		0	0	0
Calif Dept of F/G-LB Unit (CCID)		556	0	556
Calif Dept of F/G-LB Unit (SLCC)		0	0	0
Calif Dept of F/G-Salt Slough Unit (CCID)		888	0	888
Calif Dept of F/G-China Island Unit (CCID)		918	0	918
US Fish & Wildlife-San Luis Refuge (SLCC)		0	0	0
US Fish & Wildlife-Freitas (CCID)		770	0	770
US Fish & Wildlife-Kesterson (CCID)		852	0	852
Grasslands WD (CCID)		986	0	986
Grasslands WD (SLCC)		1,198	0	1,198
Grasslands (Private)		275	0	275
San Luis WD Conveyance (CCID)		0	0	0
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration:</u>				
SJRR		9,366	0	9,366
<i>Other: (see MP Operations Report)</i>		2,783	0	2,783
<i>Total Available Water in Mendota Pool</i>	32,950			
TOTAL DELIVERY FROM MENDOTA POOL	(25,151)	25,151	0	25,151
*Estimated (Loss) or Gain in Mendota Pool	(7,799)			
*Estimated % Loss or Gain in Mendota Pool	-23.67%			
Total System Delivery	(28,713)			
*Total Estimated System (Loss) or Gain	(7,064)			
*Total Estimated % System Loss or Gain	-3.07%			

Special Notes:



Jones Pumping Plant
December - 2019

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	2	CONTINUOUSLY	1826
2	2 to 4	0001	3423
3	4	CONTINUOUSLY	3416
4	4	CONTINUOUSLY	3466
5	4	CONTINUOUSLY	3461
6	4	CONTINUOUSLY	3474
7	4	CONTINUOUSLY	3499
8	4	CONTINUOUSLY	3504
9	4	CONTINUOUSLY	3490
10	4	CONTINUOUSLY	3490
11	4	CONTINUOUSLY	3500
12	4	CONTINUOUSLY	3486
13	4 to 5	1230	3740
14	5	CONTINUOUSLY	4065
15	5	CONTINUOUSLY	4097
16	5	CONTINUOUSLY	4101
17	5	CONTINUOUSLY	4027
18	5	CONTINUOUSLY	3994
19	5 to 4,4 to 5	Off @ 0939, On @1438	3380
20	5	CONTINUOUSLY	4026
21	5 to 4,4 to 5	Off @ 0922, On @ 1459	3330
22	5 to 4,4 to 5	Off @ 0301, On @ 0515	3796
23	5 to 4,4 to 5	Off @ 1305, On @ 1605	3670
24	5	CONTINUOUSLY	4156
25	5 to 4,4 to 5	Off @ 0003, On @ 0305	3156
26	4	CONTINUOUSLY	3439
27	4	CONTINUOUSLY	3481
28	4	CONTINUOUSLY	3478
29	4	CONTINUOUSLY	3476
30	4	CONTINUOUSLY	3471
31	4 to 5	1520	3738
AVG CFS for the month			3570



NON-PROJECT WATER CREDITS REPORT
 (ALL FIGURES IN ACRE FEET)
 December 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:1/14/20

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	18,544,878	1	0	BCID	0	0	0	9,500
20.42-L	18,477,617	18,544,878	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	1,916	1.03	(1)	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	4,798,009	4,854,337	1	0	PID	0	0	0	1,200
42.53-L	4,798,009	4,854,337	1	0	DPWD	0	0	0	0
42.53-L	4,798,009	4,854,337	1	0	USB/FWA	1,293	0	1,293	8,229
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								1,293	18,929



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

December 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	10,792	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								1,293	18,929
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:							1,293	1,293	8,229

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:1/14/20

	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	0
CCID	0	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	0	1,602
TPUD	0	0	24	0	0	15	25	25	0	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	0	37,487
MEYERS	777	1,280	812	1,073	889	897	543	218	70	46	25	0	6,630
M.L. DUDLEY & INDART 1	11	26	79	172	170	426	828	423	233	216	110	0	2,694
MID VALLEY* (Kings River)	0	0	0	0	369	952	0	0	0	0	0	0	1,321
REC. DIST. 1606	0	0	0	62	0	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	1,774	18,308
TRACTION	743	356	494	425	609	581	996	1,111	1,080	1,294	692	947	9,328
UNMETERED	55	10	50	50	150	190	200	140	550	150	50	50	1,645
Total	2,296	1,170	1,093	875	1,441	1,283	2,731	3,003	4,698	5,301	2,619	2,771	29,281
COELHO FAMILY TRUST 2	33	79	348	699	629	1,128	1,340	608	438	426	121	12	5,861
TRANQUILITY I.D.	293	1,885	1,415	2,257	2,558	4,862	5,660	3,626	1,597	1,286	702	0	26,141
WESTLANDS LATERAL-6	0	0	0	192	46	189	0	0	0	0	0	0	427
WESTLANDS LATERAL-7	0	0	0	387	1,273	3,790	0	0	0	0	0	0	5,450
CARVALHO TRUST	9	9	36	94	102	144	95	32	29	32	22	0	604
TOTAL	3,488	5,776	4,026	11,701	12,741	17,013	18,807	19,000	10,230	7,649	4,435	2,783	117,649

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 259 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 23,455 AF
 James Bypass Flows 0 AF

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

DECEMBER 2019

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 4990			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	2675
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	2315
R3 101	13		DFG @ O'Neill Forebay	66
	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	35
R4 1002	14		City of Dos Palos	62
	14		Pacheco Water District	28
	14		San Luis Water District	62
	14		Panoche Water District	41
	15		San Luis Water District	0
	15		Panoche Water District	248
	15		Westlands Water District	561
R5 3833	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	365
	17		Westlands Water District	543
	18		City of Coalinga	288
	18		Pleasant Valley Pumping Plant	1204
R6 3818	18		Westlands Water District	1433
	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	0
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 29L & 30L	78
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	3740
1615	20		City of Huron @ Lat. 23R	46
	20		Kings County thru WWD 31L,32L,33L,34L,35L,36L	0
	20		Westlands Water District	1119
	21		City of Avenal	141
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	309
15359	0		<---TOTALS--->	15359
TOTALS BY CUSTOMERS				
			Pacheco Water District	28
			San Luis Water District	97
			Panoche Water District	289
			Westlands Water District	9274
			AltaGas	0
			City of Huron @ LAT. 23R	46
			City of Huron (P&R/Area 11 @ 22R)	0
			Lemoore N.A.S. thru WWD @ 29L & 30L	78
			Kings County thru WWD Laterals in Pools 19 - 21	0
			City of Avenal	141
			City of Dos Palos	62
			City of Coalinga	288
			DFG @ O'Neill Forebay	66
			Pacheco Tunnel	4990
			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
Customers Total:				15359
Pool 12 - Reach 2B VA Turnout Use AF = 0				
DWR 3137(Rev.9/15)				15359



Monthly Availability Report

CW "Bill" Jones Pumping Plant

December - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	0.0	0.00%	0.3	0.04%	99.96%	7	
Unit-2	744	744.0	100.00%	0.0	0.00%	0.00%	0	1) Motor Rewind, Rotor Rehab
Unit-3	744	0.0	0.00%	300.5	40.39%	59.61%	1	2) Slip Ring Repair
Unit-4	744	0.0	0.00%	1.0	0.13%	99.87%	7	2) Unexplained Under Frequency Trip
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	6	
Unit-6	744	0.0	0.00%	156.1	20.98%	79.02%	5	2) Slip Ring Repair
Total	4464	744.0	17%	457.9	10.26%	72.74%	26	

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
December - 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%	2	0	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Unit-3	744	0.0	0.00%	33.3	4.48%	95.52%	3	0	2) Exciter Repair
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%	2	0	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Total	4464	744.0	17%	33.3	0.75%	82.25%	9	0	

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant
December - 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%	7	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	6	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	5	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	7	
Total	2976	0.0	0%	0.0	0.00%	100.00%	25	

Notes:

(1) Planned maintenance

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