



May 14, 2020

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for April 2020

On May 6<sup>th</sup>, Reclamation awarded the Authority with a new, five-year service contract for Operational and Maintenance Support for the Tracy Fish Collection Facility (TFCF), Delta Cross Channel Facilities (DCC), and Fish Release Sites (FRS). The contract is effective June 1, 2020 to May 31, 2025. Current support for these facilities is being conducted under an extension of the previous contract that was set to expire December 31, 2019 and has been extended to May 31, 2020.

### **Operations Department**

The C.W. "Bill" Jones Pumping Plant (JPP) began the month of April at three units and increased to four units on April 3<sup>rd</sup> due to the D-1641 April Delta outflow criteria. Pumping was decreased to two units on April 10<sup>th</sup> and one unit on April 17<sup>th</sup> due to D-1641 San Joaquin River Import/Export (SJR I/E) Ratio. Pumping fluctuated between one and two units for the remainder of the month due to the SJR I/E Ratio.

Total pumping at the JPP for the month of April was 114,461 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 69,715 acre-feet and generated 6,544 acre-feet. No water was moved through the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) this month.

The Federal share in San Luis Reservoir on April 30<sup>th</sup> was 559,984 acre-feet as compared to 881,791 acre-feet on April 30<sup>th</sup>, 2019.

During the month of April, releases from Friant Dam ranged from 260 to 507 cfs and flows entering the Mendota Pool ranged from 54 to 131 cfs. Flows of 40 to 130 cfs were released passed Mendota Dam for the San Joaquin River Restoration Program (SJRRP).

During the month of April, 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 April:

- JPP Unit 2; Butterfly valve control block maintenance
- JPP Units 1 & 6; Exciter brush replacement and cleaning
- DMC Turnout at milepost 59.53L; Turnout gate replacement
- DCI Plant; Switchyard electrical equipment maintenance and testing
- DCI Transformer KAA; Maintenance and testing
- JPP Unit 1 Motor Housing; Entry for thrust bearing bridge measurements

## **Civil Maintenance Department**

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

- Assist with O'Neill Unit 4 main unit rehabilitation
- Continued to demo rotary mowers for purchase
- Assist divers with radial gate turnbuckle replacements at DMC Check 19, turnout gate replacement at milepost 59.53-L, and removal and sealing of abandoned pipelines at mileposts 91.71 and 100.23
- Continued to install anti-theft covers for DMC block house conduits
- Chemical and mechanical weed control
- Began rodent abatement
- Pothole repair on lower DMC operating road
- Repair DMC drain inlet flap-gate at milepost 49.21-R
- Clean out DMC pump turnout at milepost 49.56-R
- Delivered pump to the TFCF from pump repair shop in Patterson
- Grading of DMC, Wasteways, and Kesterson operating roads
- Clean Los Banos Field Office (LBFO) carpeting
- Fabricate trash rack for DMC turnout 47.37-L
- 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 Staff:

- Continued with lower DMC Programmable Logic Controller (PLC) upgrade replacement
- Continued Tracy 13.8kV switchgear relay testing and setting verifications
- Repairs to unwatering pump controls at TFCF
- Replaced exciter brushes on JPP Units 1 & 6 and cleaned components
- Replaced 480 VAC excitation breaker for JPP Unit 6
- Marked DMC supervisory cable near Bird Road
- Repair anemometer on JPP 100-ton gantry crane
- Continued installation of motor control system for new JPP air wash
- Test and calibrate DCI motor protective relays
- Assist contractor with DCI switchyard maintenance and testing
- DCI Preventive Electrical Maintenance
- Unwired Tracy sandblast/paint building air compressor dryer for relocation to JPP
- Installed new data lines in Tracy Control Room

Mechanical Staff:

- O'Neill Unit 4 Rehabilitation: Unit assembly complete and test runs performed on May 5<sup>th</sup>. Unable to obtain water level readings at siphon breaker/crest of discharge tube/penstock due lower port to stilling well plugged. Plugged port cleared, unit retested and available for service.
- JPP Unit 2 rewind: Rotor field poles installed by NEC and readjusted to specifications after laser measurements of stator core and rotor, motor line and

neutral bus leads insulated. Authority crews continued to provide crane support, began assembly of lower rotor fan, and preparation work for installation of rotor. Unit is scheduled to be returned to service at the end of June 2020

- Continued installation of new JPP air wash system for humidity control and cooling
- Assist with unwatering pump control repairs at TFCF and replaced check valve on #2 unwatering pump

### **Engineering Department**

The Engineering & Planning Department staff worked on the following projects this month: Rehabilitate OPP Unit 4 penstock and pump assembly projects, JPP Units 2 & 5 rewind projects, JPP air wash system replacement, JPP water treatment plant replacement, DCI electrical maintenance & testing, DCI Unit 4 switchgear replacement, design review for DCI Units 3 & 4 pump installation, main transformer oil analysis for TFO and DCI, anode replacement projects for DCI and OPP, DCI electrical PMs, JPP stuffing box RTD & thermowell repair/replacement, JPP upper thrust bearing RTD replacement, PM program review for transfer to new asset management program, and DMC subsidence mitigation project.

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

This month two (2) access permits were issued. Access permit P2104005 was issued to Mr. Dennis Nunes to harvest wild oats along the Volta Wasteway from milepost 1.96-R to milepost 5.47-R. Access permit P2102002 was issued to Del Puerto Water District to sleeve the existing steel pipeline with a new PVC pipeline at milepost 46.84 (Fink Road). Extended FCWD permit to complete installation of new flowmeters at 109.45-R.

Continued working with Frontier on fiber line to be placed over WWW at Hwy 33, and working with City of Patterson on replacement of Rogers Road bridge. Provided comments to Santa Nella WD request for 3 utility crossings under the DMC between Hwy 33 and Hilldale Ave. Provided support to Reclamation regarding land use application to rebuild the Corral Hollow Bridge.

### **Safety Department**

The Safety Department worked on the following items this month: JHA support for the crews, and COVID 19 related work. Fleet purchasing for FY21, budget work for FY22.

### **HR Department**

#### **General Administrative Activities:**

- Recruitments:
  - Contract Specialist (interviewed/offer extended and accepted)
  - Special Projects Manager (interviewed/offer made. Will have to re-announce, applicant and Authority could not come to agreeable terms)
  - HR Analyst, II (posted/First round interviews complete, second interviews being scheduled)
  - Hydro-Electric Planner (interviewed/position filled)
  - Engineering Manager (position filled)
- Continue to work on the RFP process for Total Compensation Survey

#### **Trainings/ Conferences:**

- Lares continues with the Leadership Essentials course through the JPIA.
- Scheduling continues for Sexual Harassment Training for all staff as per law

- Stephanie & Laures continue to view webinars for ensure compliance with new legislation as it pertains to COVID-19
- Stephanie & Laures view weekly webinars hosted by the JPIA for COVID-19

Government Reporting:

- Families First Coronavirus Response Act (FFCRA)
  - Forms created for use for the Emergency Paid Sick Leave as well as Expanded FMLA

Ongoing:

- FMLA notices/follow ups
- COBRA notices/follow ups
- Monthly safety points 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's Denver Office is developing the HEC-RAS model for use in determining the full scope of the DMC subsidence mitigation effort. Reclamation's Regional Office is preparing the design and technical specification for manufacturing and installation of two additional pumps at the Intertie Pumping Plant. Current schedule is to award the contracts this Fall. SLDMWA staff provided support to Reclamation staff to calculate waste embankment volumes on the DMC. SLDMWA also provided a detailed report of all waste embankment locations, with pictures and approximate area information. This info will be used by Reclamation Engineering and Environmental staff to help with planning and NEPA/CEQA investigations associated with the subsidence mitigation work on the DMC.

### **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 is currently finishing up on final detailing. Both USBR and SLDMWA reviewed and approved the final Stator report that detailed the laser measurements for Concentricity, Circularity, and Verticality. NEC's workforce at JPP site are following strict procedures for COVID-19 (coronavirus) related illness. NEC is on schedule to complete their portion of the rewind work by May 10<sup>th</sup>. SLDMWA staff will begin the reassembly work on May 11<sup>th</sup>. Performance testing of the unit is scheduled to be performed during the week beginning June 15<sup>th</sup>. The scheduled completion date for Unit No. 2 is June 30, 2020.

#### **JPP Unit No. 5 Rewind**

Status: NEC submitted the baseline schedule, and project is on schedule. NEC approved lamination manufacturing. Laminations will be shipped to NEC from Poland in May. The scheduled date to begin the disassembly of Unit No. 5 is June 22, 2020, which is immediately following the completion of the reassembly of Unit No. 2. The anticipated completion date of Unit No. 5 is March 5, 2021.

#### **JPP/OPP/DCI Fire Protection Systems Assessment**

Status: Reclamation TSC – Denver Office working on estimate for Letter of Agreement to provide engineering support for the facility assessments.

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

### **O'NEILL PUMPING/GENERATING PLANT (OPP)**

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

Status: Fairbanks Morse engineering provided a quote this month for a direct replacement bowl with 2 cast in 'windows' for access hatches. SLDMWA staff is evaluating the quote and options.

#### **Rehabilitate Pump Assemblies Unit No. 4 (1900462)**

Status: The unit assembly is ongoing and scheduled for completion the first week of May. OPP crews are complying with all Covid-19 safety protocols during assembly of the unit.

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

Status: Project complete.

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

Status: Condition Assessment draft report has been received from Reclamation's Denver Office. Ben F. (TSC).

#### **Main Transformers Rehabilitation/Replacement Project (FY21 Project)**

Status: Provided site visit the switchyard for Power Electronics. Participated in the initial meeting with Reclamation Tracy, TSC, CVO and MP-250. Investigations into cost estimates, switchyard drawings, pictures, and protective relays have been shared online Reclamation.

### **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: Continued working with new representative at the State Water Resources Control Board on system types to ensure we design and install an up-to-date system that will best meet our needs. We have been invited to participate in water quality testing and analysis by the Control Board in Santa Rosa as part of an informational/testing exercise.



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

*NOTE: ALL FIGURES ARE IN ACRE FEET*

	<b>March-2020</b>	<b>March-2019</b>
JONES PUMPING PLANT - PUMPED	162,145	134,289
DCI PLANT - PUMPED	1,018	5,268
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	111,552	98,152
O'NEILL P/G PLANT - GENERATED	319	329
DMC DELIVERIES	17,670	7,524
RIVER/WELL/RECYCLE WATER INTO DMC	4,170	2,219
MENDOTA POOL DELIVERIES	33,882	54,179
SHASTA RESERVOIR STORAGE	3,599,600	4,027,800
SAN LUIS RESERVOIR STORAGE	1,511,354	2,028,217
FEDERAL SHARE	536,366	965,425

	<b>March-2020</b>	<b>March-2019</b>
SAN LUIS UNIT DELIVERIES	4,869	4,700
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	7,411	1,688

Jones Pumping Plant monthly average = 2,641 cfs



**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
March 2020**

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: 4/15/2020

District/Other	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
<b>Total Pumped @ Jones Pumping Plant</b>	<b>162,145</b>			
<b>Total Pumped @ DCI</b>	<b>(1,018)</b>			
<b>Total Reversed @ DCI</b>	<b>0</b>			
City of Tracy		0	0	0
Byron Bethany I.D.		313	0	313
West Side I.D.		109	0	109
Banta Carbona I.D.		1,143	0	1,143
West Stanislaus I.D.		0	0	0
Patterson I.D.		0	0	0
Del Puerto W.D.		2,672	0	2,672
Central California I.D. - above check #13		914	0	914
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		0	0	0
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		0	0	0
<b>Total Pumped @ O'Neill PP</b>	<b>(111,552)</b>			
<b>Total Generated @ O'Neill PP</b>	<b>319</b>			
Central California I.D. - below check #13		8,825	0	8,825
Grasslands W.D. (76.05-L)		0	0	0
Grasslands W.D. (76.05-L Los Banos Creek)		0	0	0
Fish & Game Los Banos Refuge (76.05-L)		281	0	281
Fish & Wildlife Kesterson (76.05-L)		475	0	475
Freitas Unit (76.05-L)		576	0	576
Salt Slough Unit (76.05-L)		0	0	0
China Island (76.05-L)		551	0	551
San Luis W.D. - below check #13		426	0	426
Panoche W.D.		1,293	2	1,295
Eagle Field W.D.		8	0	8
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		82	0	82
River and Groundwater well pump-in	2,263			
North Valley Regional Recycled Water Program	1,909			
Change in Canal Storage	(354)			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	53,667			
<b>TOTAL DELIVERY FROM DELTA-MENDOTA CANAL</b>	<b>(17,670)</b>	<b>17,668</b>	<b>2</b>	<b>17,670</b>
Theoretical DMC Delivery to Mendota Pool	35,997			
Total Estimated DMC Delivery to MP (determined at Check 20)	34,116			
Estimated (Loss) or Gain in DMC	(1,881)			
Estimated % Loss or Gain in DMC	-1.16%			





**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
March 2020**

<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	34,116			
Mendota Pool Groundwater Well Pump-In	391			
(+)SJRR Releases into Mendota Pool	3,526			
(+)Kings River Flood Releases into the Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		11,905	0	11,905
Columbia Canal Company (CCC)		1,362	0	1,362
Firebaugh Canal Water District (FCWD)		1,206	0	1,206
San Luis Canal Company (SLCC)		11,749	0	11,749
<u>Refuge:</u>				
Conveyance Losses		0	0	0
Calif Dept of F/G-LB Unit (CCID)		93	0	93
Calif Dept of F/G-LB Unit (SLCC)		662	0	662
Calif Dept of F/G-Salt Slough Unit (CCID)		0	0	0
Calif Dept of F/G-China Island Unit (CCID)		183	0	183
US Fish & Wildlife-San Luis Refuge (SLCC)		0	0	0
US Fish & Wildlife-Freitas (CCID)		192	0	192
US Fish & Wildlife-Kesterson (CCID)		158	0	158
Grasslands WD (CCID)		0	0	0
Grasslands WD (SLCC)		343	0	343
Grasslands (Private)		0	0	0
San Luis WD Conveyance (CCID)		5	0	5
Del Puerto WD Conveyance (CCID)		8	0	8
<u>San Joaquin River Restoration:</u>				
SJRR		3,642	0	3,642
<i>Other: (see MP Operations Report)</i>		2,374	0	2,374
<i>Total Available Water in Mendota Pool</i>	38,033			
<b>TOTAL DELIVERY FROM MENDOTA POOL</b>	<b>(33,882)</b>	<b>33,882</b>	<b>0</b>	<b>33,882</b>
*Estimated (Loss) or Gain in Mendota Pool	(4,151)			
*Estimated % Loss or Gain in Mendota Pool	-10.91%			
Total System Delivery	(51,552)			
<b>*Total Estimated System (Loss) or Gain</b>	<b>(6,032)</b>			
<b>*Total Estimated % System Loss or Gain</b>	<b>-3.58%</b>			

Special Notes:



Jones Pumping Plant  
March - 2020

<b>Date</b>	<b># OF UNITS</b>	<b>TIME ON/OFF</b>	<b>AVG DAILY CFS</b>
1	2	CONTINUOUSLY	1802
2	2	CONTINUOUSLY	1800
3	2	CONTINUOUSLY	1843
4	2	CONTINUOUSLY	1831
5	2	CONTINUOUSLY	1807
6	2	CONTINUOUSLY	1803
7	2	CONTINUOUSLY	1802
8	2 to 3	0001	2691
9	3	CONTINUOUSLY	2704
10	3	CONTINUOUSLY	2716
11	3	CONTINUOUSLY	2711
12	3	CONTINUOUSLY	2713
13	3	CONTINUOUSLY	2709
14	3	CONTINUOUSLY	2717
15	3	CONTINUOUSLY	2709
16	3	CONTINUOUSLY	2705
17	3	CONTINUOUSLY	2729
18	3 to 4	0001	3533
19	4	CONTINUOUSLY	3577
20	4	CONTINUOUSLY	3559
21	4	CONTINUOUSLY	3558
22	4	CONTINUOUSLY	3552
23	4	CONTINUOUSLY	3560
24	4	CONTINUOUSLY	3556
25	4	CONTINUOUSLY	3556
26	4	CONTINUOUSLY	3551
27	4 to 2	0001	1847
28	2	CONTINUOUSLY	1840
29	2	CONTINUOUSLY	1841
30	2	CONTINUOUSLY	1844
31	2 to 3	0001	2691
<b>AVG CFS for the month</b>			<b>2641</b>



**NON-PROJECT WATER CREDITS REPORT**  
 (ALL FIGURES IN ACRE FEET)  
 March 2020 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:

<b>CREDITS UNDER WARREN ACT CONTRACTS</b>									
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	1,603	1,624	1	(21)	BCID	0	0	0	0
20.42-L	18,595,158	18,619,563	1	0	BCID	0	0	0	0
20.42-L	18,595,158	18,619,563	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	1,916	1,916	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	4,949,965	5,043,553	1	0	PID	1,780	(89)	1,691	1,691
42.53-L	4,949,965	5,043,553	1	0	DPWD	0	0	0	0
42.53-L	4,949,695	5,043,553	1	0	USB/FWA	368	0	368	368
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	870	882	0.95	(11)	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	1,241	1.02	0	SLWD	65	(3)	62	62
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	306	306	1	0	DPWD	0	0	0	0
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
<b>UPPER DMC SUB TOTAL</b>								<b>2,121</b>	<b>2,121</b>



**NON-PROJECT WATER CREDITS REPORT**

(ALL FIGURES IN ACRE FEET)

March 2020 WA Credits

<b>CREDITS UNDER WARREN ACT CONTRACTS</b>									
Turnout	Start Meter Reading	End Meter Reading	Factor	Adjust	District	Total	Less 5%	Month	Year
78.31-L	4,469	4,469	1.08	0	SLWD	0	0	0	0
79.12-R	1,812	1,812	0.91	0	SLWD	0	0	0	0
79.13-L	2,290	2,290	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	8,594	8,773	0.84	0	SLWD	150	(8)	142	142
80.03-L	83	83	0.94	0	SLWD	0	0	0	0
80.03-R	638	638	1.05	0	SLWD	0	0	0	0
98.60-R	10,792	10,793	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	1,001	1	(1)	WIDREN WD	0	0	0	0
<b>LOWER DMC SUB TOTAL</b>								<b>142</b>	<b>142</b>
<b>WARREN ACT CONTRACT CREDIT TOTAL</b>								<b>2,263</b>	<b>2,263</b>
<b>TOTAL GROSS PUMP-IN</b>								<b>CREDIT</b>	
<b>TOTAL (BYRON BETHANY IRRIGATION DISTRICT)</b>						0		0	0
<b>TOTAL (BANTA CARBONA IRRIGATION DISTRICT)</b>						0		0	0
<b>TOTAL (DEL PUERTO WATER DISTRICT)</b>						0		0	0
<b>TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)</b>						0		0	0
<b>TOTAL (PATTERSON IRRIGATION DISTRICT)</b>						1,780		1,691	1,691
<b>TOTAL (SAN LUIS WATER DISTRICT)</b>						215		204	204
<b>TOTAL (PANOCH/MS WATER DISTRICT)</b>						0		0	0
<b>TOTAL (MERCY SPRINGS WATER DISTRICT)</b>						0		0	0
<b>TOTAL (WIDREN WATER DISTRICT)</b>						0		0	0
<b>TOTAL (FRIANT WATER AUTHORITY)</b>						0		368	368
<b>Other Warren Act Conveyance Credit Totals</b>									
<b>Del Puerto Water District:</b>						0		0	0
<b>Banta Carbona Irrigation District:</b>						0		0	0
<b>West Stanislaus Irrigation District:</b>						0		0	0
<b>Byron Bethany Irrigation District:</b>						0		0	0
<b>Patterson Irrigation District:</b>						0		0	0
<b>San Joaquin River Restoration Pump Back BCID:</b>						0		0	0
<b>San Joaquin River Restoration Pump Back PID:</b>						368		368	368

Notes: 3.32-R, 20.42-L, 31.31-L and 42.53-L are River water



## MENDOTA POOL OPERATIONS 2020 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:

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FCWD	0	0	0										0
CCID	0	0	0										0
FRESNO SLOUGH	0	106	19										125
TPUD	0	24	0										24
JAMES I.D.	18	3,990	60										4,068
MEYERS	634	847	25										1,506
M.L. DUDLEY & INDART 1	49	173	251										473
MID VALLEY* (Kings River)	0	0	0										0
REC. DIST. 1606	0	88	28										116
STATE FISH & WILDLIFE	1,217	1,524	349										3,090
TRACTION	716	645	197										1,558
UNMETERED	75	90	20										185
<b>Total</b>	<b>2,008</b>	<b>2,259</b>	<b>566</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,833</b>
COELHO FAMILY TRUST 2	33	365	247										645
TRANQUILITY I.D.	0	2,103	1,142										3,245
WESTLANDS LATERAL-6	0	0	0										0
WESTLANDS LATERAL-7	0	0	0										0
CARVALHO TRUST	0	26	36										62
TOTAL	2,742	9,981	2,374	0	0	0	0	0	0	0	0	0	15,097

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

### Article 215 Water


### Kings River Water


Duck Clubs (Percent Full)	BECK	120	PATOS	COLE	TRANQUILITY	1 ACRE
	0%	0%	0%	0%	0%	0%

Jan, 2020  
DMC Inflow 24,000 AF  
James Bypass Flows 0 AF

Feb, 2020  
DMC Inflow 68,500 AF  
James Bypass Flows 0 AF

Mar, 2020  
DMC Inflow 34,116 AF  
James Bypass Flows AF

Apr, 2020  
DMC Inflow AF  
James Bypass Flows AF

May, 2020  
DMC Inflow AF  
James Bypass Flows AF

June, 2020  
DMC Inflow A.F  
James Bypass Flows AF

July, 2020  
DMC Inflow AF  
James Bypass Flows AF

Aug, 2020  
DMC Inflow AF  
James Bypass Flows AF

Sept, 2020  
DMC Inflow AF  
James Bypass Flows AF

Oct, 2020  
DMC Inflow AF  
James Bypass Flows AF

Nov, 2020  
DMC Inflow AF  
James Bypass Flows AF

Dec, 2020  
DMC Inflow AF  
James Bypass Flows AF



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

**MARCH 2020**

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 7411			Parks & Rec. @ San Luis Reservoir	0
			Santa Clara Valley Water District	7167
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	244
R3 271	13		DFG @ O'Neill Forebay	42
	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	229
R4 7063	14		City of Dos Palos	81
	14		Pacheco Water District	412
	14		San Luis Water District	1552
	14		Panoche Water District	46
	15		San Luis Water District	981
	15		Panoche Water District	1584
	15		Westlands Water District	2407
R5 9392	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	3126
	17		Westlands Water District	1595
	18		City of Coalinga	269
	18		Pleasant Valley Pumping Plant	2110
R6 3088	18		Westlands Water District	2292
	19		Alta Gas	0
	19		City of Huron (P&R-Area 11) @ Lat. 22R	1
	19		DWR Water Truck @ 22R/F&G @ Lat.22R	0
	19		Lemoore N.A.S. thru WWD 29L & 30L	118
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	2969
2468	20		City of Huron @ Lat. 23R	54
	20		Kings County thru WWD 31L,32L,33L,34L,35L,36L	0
	20		Westlands Water District	1475
	21		City of Avenal	173
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	766
29693	0		<---TOTALS--->	29693
<b>TOTALS BY CUSTOMERS</b>				
			Pacheco Water District	412
			San Luis Water District	2762
			Panoche Water District	1630
			Westlands Water District	16740
			AltaGas	0
			City of Huron @ LAT. 23R	54
			City of Huron (P&R/Area 11 @ 22R)	1
			Lemoore N.A.S. thru WWD @ 29L & 30L	118
			Kings County thru WWD Laterals in Pools 19 - 21	0
			City of Avenal	173
			City of Dos Palos	81
			City of Coalinga	269
			DFG @ O'Neill Forebay	42
			Pacheco Tunnel	7411
			DFG @ Lateral 4L & 6L & 7L	0
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	0
			0 AF for DWR Water Truck at O'Neill, 0 AF for Cattle Program @ O'Neill Reservoir	0
<b>Customers Total:</b>				<b>29693</b>
Pool 12 - Reach 2B VA Turnout Use AF = 22				
DWR 3137(Rev.9/15)				29715



## Monthly Availability Report

CW "Bill" Jones Pumping Plant

March - 2020

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	743	0.0	0.00%	0.0	0.00%	100.00%	2	
Unit-2	743	743.0	100.00%	0.0	0.00%	0.00%	0	Unit Rewind/Rotor Rehab
Unit-3	743	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-4	743	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-5	743	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-6	743	0.0	0.00%	0.0	0.00%	100.00%	1	
Total	4458	743.0	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

March - 2020

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	743	0.0	0.00%	0.0	0.00%	100.00%	2	0	
Unit-2	743	0.0	0.00%	0.0	0.00%	100.00%	2	0	
Unit-3	743	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Unit-4	743	743.0	100.00%	0.0	0.00%	0.00%	0	0	Pump/Penstock Rehab
Unit-5	743	0.0	0.00%	0.0	0.00%	100.00%	1	0	
Unit-6	743	0.0	0.00%	1.5	0.20%	99.80%	2	0	Reset Brush Spring
Total	4458	743.0	17%	1.5	0.03%	82.97%	8	0	

Notes:

(1) Planned maintenance

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



## Monthly Availability Report

DCI Pumping Plant

March - 2020

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	743	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-2	743	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-5	743	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-6	743	0.0	0.00%	0.0	0.00%	100.00%	1	
Total	2972	0.0	0%	0.0	0.00%	100.00%	3	

Notes:

(1) Planned maintenance

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