



November 5, 2020

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Facilities O&M Director

Subject: O&M Report for October 2020

### **Operations Department**

The C.W. "Bill" Jones Pumping Plant (JPP) operated at five units for the first six days of October. Pumping was reduced to four units on October 7<sup>th</sup> and three units on October 21<sup>st</sup> due to Delta outflow requirements and lack of available water. Pumping was reduced to two units from October 26<sup>th</sup> – 30<sup>th</sup> to support the planned outage of the O'Neill Plant for the hot oil reconditioning of the plant's three main transformer's. There was no loss of CVP water associated with the outage due to the use of the Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) and the sharing of the outflow obligation with the SWP.

On October 10<sup>th</sup> at 3:55 am, the PGE 500kV line tripped and reclosed causing JPP units 2, 4, and 6 to trip. The units were inspected, reset, and back in service at 6:35 am. Approximately 300 acre-feet of pumping was lost at JPP and a subsequent 34 acre-feet of water was generated at O'Neill.

As of October 27<sup>th</sup>, pumping at the JPP was 179,163 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 67,599 acre-feet and generated 34 acre-feet. The DCI pumped 3,794 acre-feet to help manage water levels due to subsidence related flow restraints in several areas of the upper DMC.

The Federal share in San Luis Reservoir on October 27<sup>th</sup> was 383,204 acre-feet as compared to 348,895 acre-feet on October 27<sup>th</sup>, 2019.

As of October 27<sup>th</sup>, releases from Friant Dam ranged from 406 to 436 cfs and flows entering the Mendota Pool ranged from 90 to 112 cfs. Flows of 90 to 110 cfs were released passed Mendota Dam for the San Joaquin River Restoration Program (SJRRP).

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

Control Operations staff performed the following switching/clearance placements during the month of October:

- JPP Unit 6 - Brake indication adjustment
- OPP Unit 3 - Annual maintenance
- OPP - Main transformer hot oil reconditioning

## **Civil Maintenance Department**

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

- Chemical and mechanical weed control
- Rodent abatement
- Grading of DMC roads and OPP parking areas
- Wash down radial gate structure to Grassland Water District San Luis Spillway Ditch (Cross Channel)
- Replace traffic strips on DMC farm bridge at milepost 40.37
- Clean silt out of various DMC turnouts
- Fabrication and installation of pipe fencing along right-of-way near DCI Plant
- Remove debris from back side of DMC radial gates
- Clean out Tracy Compound water treatment settling basin
- Modify/install walls of Tracy Sandblast & Paint building for new air compressor and dryer
- Installed roadway shoulder drain at DMC milepost 56.82-R
- Provide support for JPP trash rack repositioning
- DMC test-site (test cans) inspection and repairs
- Repairs to bridges on access road to DMC head-works
- Installed roadway bypass for long-vehicle access to OPP intake channel bridge
- Installation of stairs and handrails to DMC turnout gates and meters
- Maintenance and repairs to float lines, signs, fences, and gates
- Garbage collection on DMC and Wasteways

## **Plant Maintenance Department**

Electrical/C&I Staff:

- Tracy Compound HVAC repairs
- Repair Tracy Civil Maintenance truck mounted generator
- Replace security system motion sensor in Tracy Control Room
- Emergency repair to festoon cable on JPP trash rack cleaner. Replaced cable during low pumping period
- Tracy 13.8kV switchgear protective relay updates and testing
- Troubleshoot JPP Unit 6 after loss of PGE 500kV line. Adjusted switch for brake position indication
- Repair JPP Unit 6 annunciator horn
- Disconnect electrical to water heater in Tracy Control Building for replacement. Rewire new water heater
- OPP Units 1 and 3 annual maintenance
- JPP Unit 5 annual maintenance
- Assist SCADA department with OPP SCADA node upgrade
- Repairs to OPP electric vehicle gates
- Build new control box for OPP service air compressor controls
- Unwire OPP spare transformer for relocation in switchyard for rehabilitation
- Assist with hot oil reconditioning of OPP main transformers

Mechanical Staff:

- OPP Unit 1 and Unit 3 annual maintenance
- JPP Unit 5 annual maintenance
- Replace mechanical seal in OPP Unit 5 cooling water pump
- Fabricate coupling for OPP Unit 1 breaker racking mechanism

- Assist with OPP spare transformer relocation
- Provide crane support to NEC for JPP Unit 5 rewind
- Overhaul JPP sump pump
- Remove ceiling tiles in JPP break room
- Fabricate JPP Unit 5 slip ring brush holder brackets
- Reposition JPP trash racks after unit trips that caused rush of water from discharge tubes to partially dislodge two sections of racks
- Replace water heater in Tracy Control Building
- Installation of new air compressor and dryer for the Tracy Sandblast & Paint building
- Assist with festoon cable replacement on JPP trash rack cleaner

### **USBR Support Services**

Water Authority crews performed the following work at USBR facilities during the month of October:

- Repairs to TFCF Primary Louver crane hoist motor and brake
- Repairs to TFCF Secondary Channel traveling screen electrical connections
- Adjust TFCF Secondary Channel #2 traveling screen spray bar
- Purchase unwatering pump for TFCF Holding Tank building
- Deliver TFCF spray wash pump to pump repair vendor. Return pump after rebuild
- Inspect bottom of TFCF Primary Louvers for debris with underwater camera. Divers will remove debris (vegetation) when JPP pumping is reduced to one unit

### **Engineering Department**

The Engineering Department staff worked on the following projects this month: JPP Units 5 rewind project, OPP hot oil reconditioning, OPP 480V circuit breaker modification, anode replacement projects for DCI and OPP, JPP switchgear buildings relay settings update, DCI main transformer conservator leak repair, DCI U4 switchgear replacement, TFO sandblast building air compressor installation, JPP finger press plate evaluation for Unit 5, OPP fall protection and confined space improvements, JPP trash rack clamp failure analysis, OPP spare transformer relocation support, DMC subsidence mitigation project, and data management and procedures for the Warren Act Contract wells. Performed a video inspection and report on the louvers at the TFCF, received the unwatering pump for TFCF and worked with Reclamation regarding outstanding RO&M recommendations. The SCADA department continued working with Firebaugh Canal Water District to incorporate the new magnetic flowmeter readings at MP109.45-R into SCADA, and deployed two replacement SCADA nodes with new hardware, software and configuration. SCADA nodes are scheduled to be deployed in early November at OPP.

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

This month, two (2) access permits were issued. Permit P2102016 was issued to Del Puerto Water District for temporary storage of almonds and gypsum along the Delta-Mendota Canal right-of-way from MP59.20 to MP61.00-R/L. Also, access permit P2102019 was issued to Patterson Irrigation District for video inspection of the underground pipeline servicing the turnout at MP42.51-L.

Engineering Department staff continued working with City of Patterson on replacement of Rogers Road bridge and also the Black Gulch Creek undercrossing modification. Staff also participated in additional conference calls regarding DMC ROW usage for land locked property near MP31.59 and provided data for the information request for Crows

Landing Business Park. Lastly, staff participated in a conference call with SGMA regarding coordination for future groundwater monitoring activities.

### **Safety Department**

The Safety Department worked on the following items this month:

- JHA support for the crews
- Permit required confined space rescue planning for O'Neill Pumping Plant
- Schedule of annual hearing tests
- Conduct permit required confined space entry training for O&M Engineers
- Conduct weekly safety tailgate talks with O&M crews
- Sending out weekly safety tailgate and safety alert messages
- Conduct Facility Hazardous Energy Control Plan training for contractors
- Provide safety oversight for hot oil reconditioning project at O'Neill Pumping Plant

### **Work & Asset Management Department**

The Work & Asset Management Department worked on the following items this month:

#### **EAM/Financial Software Replacement Project**

- Staff is working on the forms and process configurations and testing. The team is engaged and focused on working through the ERP and CMMS systems set up.
- Staff attended End User Training for the SJVDA.
- Clean-up of Oracle WAM data in preparation of data migration to NetSuite/Shepherd CMMS continues.

#### **Contracts in Process**

- Assisted the Contract Specialist with pending contracts as needed

#### **Ongoing:**

- Purchasing in support of the O&M crews, to maintain warehouse stock, and locate & purchase disinfecting supplies & protective gear to comply with COVID-19 protocols
- Warehouse receiving, stocking, and distribution
- Fleet and property management
- Oracle WAM invoicing
- Janitorial cleaning & disinfecting per COVID-19 guidelines

### **Information Technology Department**

The Information Technology Department worked on the following items this month:

- Install of new services/contracts with AT&T
  - Router and circuit installation phase 1 is complete
    - LBAO, Tracy, Sacramento
  - Installation phase 2 (ASEoD)
    - Installed and awaiting SDWAN
  - Installation phase 3 (SDWAN)
    - Configuration/programming by AT&T
      - AT&T still does not have SDWAN functioning
  - Phase 4
    - Go live of phase TBD
  - Phase 5
    - Port phone call paths to routers in phase 1

- Two weekly status update calls with AT&T's different team members
- Had conversation (10-27) with AT&T sales rep and told him to get this project completed or come get the equipment they have installed and I will pursue solutions with another vendor.
- New services/prices with Un-Wired
  - Bandwidth increase will coincide with phase 4
- NetSuite upgrade planning meetings
- NetSuite online training, User and Administration
- Continuing support for our "Work at Home" users
- Assist with FAC, WRC, DHCCP Steering Committee and BOD meetings with Zoom
- Desktop support calls
- Email outage. Repaired primary email database, added disk space to server, split Logs and DB to separate disk volumes.
  - Monitoring- Server health is good- but at Microsoft end of Life cycle.
  - Started email server upgrade preparations
- Opened dialogue with KMTG IT staff to coordinate Sacramento Office move.
- Quotes for laptop for new employee starting Nov 30<sup>th</sup> (John Brodie)
- Starting process to evaluate upgrading/replacing copiers
- Contacted Document Management vendor to look at potential of deployment
- Moved pallet of old and out of service equipment from server room to e-cycle staging area in warehouse

### **Human Resources Department**

The Human Resources Department worked on the following items this month:

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

- Recruitments:
  - Special Programs Manager (recruiting continued)
  - Heavy Equipment Operator (recruiting continued)
  - Maintenance Worker, Tracy (currently recruiting)
  - Apprentice Electrician, Internal only (candidate selected)
  - Water Resources Program Manager (candidate selected, will begin 11/30/20)
- Compensation Survey – on-going support to consultant
- Open Enrollment – wrap-up
- Employee Appreciation (Annual Employee Service Awards), continue to plan
- I-9 Audit
- Background checks for PIV cards

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

- Laures - Leadership Essentials course through the JPIA.
- On-going training with new HR Analyst II, Leslie Hunt
- Stephanie, Leslie & Laures continue to view webinars for ensure compliance with new legislation as it pertains to COVID-19
- Stephanie, Leslie & Laures view weekly webinars hosted by the JPIA for COVID-19

Government Reporting:

- Families First CoronaVirus Response Act (FFCRA)
- Completed Vets 4212 Reporting
- Preparing to conduct annual queries with Federal Motor Carrier Safety Administration (FMCSA) on all Class A license holders

Ongoing:

- FMLA notices/follow ups
- COBRA notices/follow ups
- Worker's Comp 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)**

#### **Bridge Abutment Repair at MP 92.73**

Status: Project is on hold. The 6-inch pipe owned by PG&E that crosses under the bridge, adjacent to the abutment, is the main transmission line for the City of Dos Palos. All parties have agreed that it would be a safety hazard to conduct work with the gas line in place. A letter from the BOR will be drafted to inform PG&E of their conflicting utility with the intent that it will aid in the speeding up the relocation planning process. Project shall remain on hold until gas line has been realigned.

#### **DMC Subsidence Mitigation**

Status: Reclamation presented the draft summary of findings for the subsidence correction. After checks and peer reviews, this information will be used to prepare the projects technical memorandum and appraisal level cost estimate. TSC conducted a site visit of entire canal the first week of October. The site visit informed TSC of the many constraints associated with project work within the DMC such as utility and bridge crossings. TSC will now review and prepare alternatives incorporating the findings of the tour. SLDMWA continues to provide information and support to Reclamation as needed. Reclamation is the lead on the project to add two pumps at the Intertie Pumping Plant. The supply contracts for the pumps, motor and valves are in progress. The contract for the installation of the government furnished items was awarded to UNICO Services this month. A site visit by UNICO Services was performed in October. The installation dates of the government furnished items will be scheduled upon completion of the manufacturing process.

#### **DMC Flowmeter Upgrade Program**

Status: Sole source approval for the purchase of Water Specialties meters with built-in telemetry from McCrometer was approved by the board. Delivery of meters is expected to begin by the end of the calendar year and installations will begin soon after.

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

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

Status: USBR Denver Office engineering staff continue to work on the design of the static system. The 60% design documents are expected from USBR Denver Office in November.

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

Status: National Electric Coil (NEC) began onsite work on June 15<sup>th</sup> as scheduled and project is currently tracking on schedule. The stator core passed the loop test. Currently NEC is installing coils into the stator. The excitation armature repair (slip ring excessive runout) has been awarded and the equipment is staged at vendor's facility. Completion of the excitation armature is scheduled to be completed by December 1<sup>st</sup>.

#### **JPP Unit No. 1 Rewind**

Status: The Notice to Proceed is being prepared and will be sent to National Electric Coil (NEC) in early November.

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

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

Status: Water Authority staff has drafted a scope of work for an outside engineering firm to provide the assessment. Plans are to contract with Reclamation for review of the assessment completed by the engineering firm.

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

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

Status: No Activity this month. The design phase of this project has been proposed for FY22 EO&M budget. SLDMWA plans to contract the design of new pump bowls through the original manufacturer, Fairbanks Morse. The new pump bowls will incorporate two cast in 'windows' for access hatches to provide safer, easier maintenance. The result of the design phase will be the approval of the design modification and the Technical Specifications necessary to manufacture the new bowls.

#### **Main Transformers Rehabilitation/Replacement Project (2001247)**

Status: The VP Study final report was received on Oct. 5, 2020. The report recommends the transformers to be rehabilitated as soon as possible and to begin the planning process for their replacement. During the week of October 26-30, a complete outage of the OPP occurred to support the contract work for hot oil reconditioning of the three active transformers. In preparation for the upcoming rehabilitation of the transformers, the spare transformer was relocated to a corner of the switchyard during this outage. TSC is currently working on the technical specifications for the rehabilitation of the transformers and final design is scheduled for March 15, 2021. SLDMWA continues to provide support to the TSC design group.

#### **Arc Flash Hazard Analysis, Facility Rating, & Protective Relays Reviews (Electrical Equipment Periodic Reviews) (2001994)**

Status: The survey was completed in June by the USBR. The periodic review reports are scheduled to be completed by February 2021.

### **TRACY FACILITIES (TFO)**

#### **TFO Domestic Water Treatment Plant Replacement (2000158)**

Status: Engineering review of the water treatment plant data has begun. A topographic drawing was prepared to address the flooding issue of the existing treatment building and will include underground utility coordination.

#### **TFO Control Building Foam Roof Re-Coating (2100997)**

Status: American Foam Experts completed the roof re-coating on October 22<sup>nd</sup>. Work consisted of pressure washing, minor patch repairs, and applying two coats of an elastomeric coating system. All work was done to SLDMWA satisfaction and Notice of Completion was issued on October 27<sup>th</sup>. Project is complete.





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

*NOTE: ALL FIGURES ARE IN ACRE FEET*

	<b>September-2020</b>	<b>September-2019</b>
JONES PUMPING PLANT - PUMPED	236,798	242,885
DCI PLANT - PUMPED	16,790	15,547
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	92,950	80,293
O'NEILL P/G PLANT - GENERATED	4,839	0
DMC DELIVERIES	46,552	53,794
RIVER/WELL/RECYCLE WATER INTO DMC	7,060	3,002
MENDOTA POOL DELIVERIES	82,416	91,509
SHASTA RESERVOIR STORAGE	2,200,400	3,425,500
SAN LUIS RESERVOIR (SLR) STORAGE	973,856	1,258,666
SLR FEDERAL SHARE	362,748	463,669

	<b>September-2020</b>	<b>September-2019</b>
*SAN LUIS UNIT DELIVERIES	46,928	8,665
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	13,137	6,626

Jones Pumping Plant monthly average = 3,980 cfs

\*September 2019 figure does not include Westlands Water District



**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
September 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: 10/16/20

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)
<b>Total Pumped @ Jones Pumping Plant</b>	<b>236,798</b>			
<b>Total Pumped @ DCI</b>	<b>(16,790)</b>			
<b>Total Reversed @ DCI</b>	<b>0</b>			
City of Tracy		0	1,048	1,048
Byron Bethany I.D.		335	7	342
West Side I.D.		0	0	0
Banta Carbona I.D.		3	0	3
West Stanislaus I.D.		0	0	0
Patterson I.D.		0	0	0
Del Puerto W.D.		4,482	1	4,483
Central California I.D. - above check #13		1,095	0	1,095
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		2,401	0	2,401
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		10,268	0	10,268
<b>Total Pumped @ O'Neill PP</b>	<b>(92,950)</b>			
<b>Total Generated @ O'Neill PP</b>	<b>4,839</b>			
Central California I.D. - below check #13		385	0	385
Grasslands W.D. (76.05-L)		20,513	0	20,513
Fish & Game Los Banos Refuge (76.05-L)		1,182	0	1,182
Fish & Wildlife Kesterson (76.05-L)		1,125	0	1,125
Freitas Unit (76.05-L)		932	0	932
Salt Slough Unit (76.05-L)		1,399	0	1,399
China Island (76.05-L)		0	0	0
San Luis W.D. - below check #13		492	1	493
Panoche W.D.		292	2	294
Eagle Field W.D.		48	0	48
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		541	0	541
River and Groundwater well pump-in	4,834			
North Valley Regional Recycled Water Program	2,226			
Change in Canal Storage	(13)			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	138,899			
<b>TOTAL DELIVERY FROM DELTA-MENDOTA CANAL</b>	<b>(46,552)</b>	<b>45,493</b>	<b>1,059</b>	<b>46,552</b>
Theoretical DMC Delivery to Mendota Pool	92,347			
Total DMC Delivery to MP	80,322			
Estimated (Loss) or Gain in DMC	(12,025)			
Estimated % Loss or Gain in DMC	-4.98%			



**San Luis & Delta-Mendota Water Authority  
Monthly Deliveries  
September 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	80,322			
Mendota Pool Groundwater Well Pump-In	4,708			
(+)SJRR Releases into Mendota Pool	4,892			
(+)Kings River Flood Releases into the Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		37,086	0	37,086
Columbia Canal Company (CCC)		3,839	0	3,839
Firebaugh Canal Water District (FCWD)		1,521	0	1,521
San Luis Canal Company (SLCC)		6,064	0	6,064
<u>Refuge:</u>				
Conveyance Losses		1,625	0	1,625
Calif Dept of F/G-LB Unit (CCID)		610	0	610
Calif Dept of F/G-LB Unit (SLCC)		1,867	0	1,867
Calif Dept of F/G-Salt Slough Unit (CCID)		720	0	720
Calif Dept of F/G-China Island Unit (CCID)		0	0	0
US Fish & Wildlife-San Luis Refuge (SLCC)		4,180	0	4,180
US Fish & Wildlife-Freitas (CCID)		480	0	480
US Fish & Wildlife-Kesterson (CCID)		579	0	579
Grasslands WD (CCID)		7,630	0	7,630
Grasslands WD (SLCC)		2,735	0	2,735
Grasslands (Private)		2,934	0	2,934
San Luis WD Conveyance (CCID)		46	0	46
Del Puerto WD Conveyance (CCID)		14	0	14
<u>San Joaquin River Restoration:</u>				
SJRR		4,889	0	4,889
<i>Other: (see MP Operations Report)</i>		5,597	0	5,597
<i>Total Available Water in Mendota Pool</i>	89,922			
<b>TOTAL DELIVERY FROM MENDOTA POOL</b>	<b>(82,416)</b>	<b>82,416</b>	<b>0</b>	<b>82,416</b>
*Estimated (Loss) or Gain in Mendota Pool	(7,506)			
*Estimated % Loss or Gain in Mendota Pool	-8.35%			
Total System Delivery	(128,968)			
<b>*Total Estimated System (Loss) or Gain</b>	<b>(19,531)</b>			
<b>*Total Estimated % System Loss or Gain</b>	<b>-7.63%</b>			

Special Notes:



Jones Pumping Plant  
September - 2020

<b>Date</b>	<b># OF UNITS</b>	<b>TIME ON/OFF</b>	<b>AVG DAILY CFS</b>
1	5	CONTINUOUSLY	4311
2	5 to 3	0001	3047
3	5 to 2, 2 to 5	0500/1300	4318
4	5 to 1, 1 to 5, 5 to 3	0600/1400/1830	4311
5	3 to 5	0001	3413
6	4	CONTINUOUSLY	3405
7	4 to 1, 1 to 4	1600/2200	2602
8	4 to 1	1600	2650
9	1 to 5	0001	4316
10	5	CONTINUOUSLY	4312
11	5	CONTINUOUSLY	4304
12	5	CONTINUOUSLY	4283
13	5	CONTINUOUSLY	4324
14	5	CONTINUOUSLY	4298
15	5	CONTINUOUSLY	4303
16	5	CONTINUOUSLY	4293
17	5	CONTINUOUSLY	4169
18	5	CONTINUOUSLY	4303
19	5	CONTINUOUSLY	4301
20	5	CONTINUOUSLY	4283
21	5 to 1	1600	3168
22	1 to 5	1041/1335/1650/1800	2296
23	5	CONTINUOUSLY	4318
24	5	CONTINUOUSLY	4323
25	5	CONTINUOUSLY	4318
26	5	CONTINUOUSLY	4277
27	5	CONTINUOUSLY	4311
28	5	CONTINUOUSLY	4302
29	5	CONTINUOUSLY	4295
30	5	CONTINUOUSLY	4233
31			
<b>AVG CFS for the month</b>			<b>3980</b>



**NON-PROJECT WATER CREDITS REPORT**  
 (ALL FIGURES IN ACRE FEET)  
 September 2020 WA Credits

To: Adam Hoffman; Adam Scheuber; Anthea Hansen; Kelley Geyer; Bobby Pierce; Brandon Kelley; David Weisenberger; Erma Leal; Gabe Mora; Ian Uecker; Janet Gutierrez; Jarrett Martin; Jason Dean; Jeff Bryant; Juan Cadena; Katrina Buelna; Lon Martin; Lydia Sosa; Margaret Howe; Margie Lowe; 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: 10/16/20

<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	1,709	2,208	1	0	BBID	499	(25)	474	1,678
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	1,988	1,988	1	0	BBID	0	0	0	346
20.42-L	22,624,261	23,593,678	1	0	BCID	2,000	(100)	1,900	11,400
20.42-L	22,624,261	23,593,678	1	0	USB/FWA	975	0	975	3,265
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	1,829	1,847	1.04	0	DPWD	19	(1)	18	84
29.95-R	1,057	1,101	0.87	0	DPWD	38	(2)	36	130
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	50,126	50,126	1	0	WSTAN	0	0	0	3,159
31.31-L2	50,126	50,126	1	0	DPWD	0	0	0	0
31.31-L3	50,126	50,126	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	1,794	1,794	0.86	0	DPWD	0	0	0	0
33.71-L	748	748	0.94	0	DPWD	0	0	0	0
36.80-L	1,844	1,844	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	5,369,326	5,411,797	1	0	PID	0	0	0	5,359
42.53-L	5,369,326	5,411,797	1	0	DPWD	0	0	0	0
42.53-L	5,369,326	5,411,797	1	0	USB/FWA	975	0	975	4,961
43.22-L	55	55	1	0	DPWD	0	0	0	0
48.97-L	1,407	1,407	0.95	0	SLWD	0	0	0	472
50.46-L	4,109	4,109	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	1,728	1,819	1.02	0	SLWD	93	(5)	88	622
58.60-L	917	917	0.96	0	DPWD	0	0	0	0
58.73-R	321	331	1	0	DPWD	10	(1)	9	24
64.85-L	1,662	1,662	0.72	0	DPWD	0	0	0	0
<b>UPPER DMC SUB TOTAL</b>								<b>4,475</b>	<b>31,500</b>



## NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

September 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	4,911	4,911	0.91	0	SLWD	0	0	0	266
79.13-L	2,423	2,482	1	0	SLWD	59	(3)	56	175
79.13-R	4,544	4,544	1.08	0	SLWD	0	0	0	132
79.60-L	9,735	10,046	0.84	0	SLWD	261	(13)	248	1,158
80.03-L	334	334	0.94	0	SLWD	0	0	0	224
80.03-R	646	646	1.05	0	SLWD	0	0	0	8
98.60-R	10,799	10,800	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	1,537	1,595	1	0	WIDREN WD	58	(3)	55	564
<b>LOWER DMC SUB TOTAL</b>								<b>359</b>	<b>2,527</b>
<b>WARREN ACT CONTRACT CREDIT TOTAL</b>								<b>4,834</b>	<b>34,027</b>
<b>TOTAL GROSS PUMP-IN</b>								<b>CREDIT</b>	
<b>TOTAL (BYRON BETHANY IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>346</b>
<b>TOTAL (BANTA CARBONA IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (DEL PUERTO WATER DISTRICT)</b>						<b>67</b>		<b>63</b>	<b>238</b>
<b>TOTAL (WEST STANISLAUS IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>3,159</b>
<b>TOTAL (PATTERSON IRRIGATION DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>5,359</b>
<b>TOTAL (SAN LUIS WATER DISTRICT)</b>						<b>413</b>		<b>392</b>	<b>3,057</b>
<b>TOTAL (PANOCH/MS WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (MERCY SPRINGS WATER DISTRICT)</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>TOTAL (WIDREN WATER DISTRICT)</b>						<b>58</b>		<b>55</b>	<b>564</b>
<b>Other Warren Act Conveyance Credit Totals</b>									
<b>Del Puerto Water District:</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>Banta Carbona Irrigation District:</b>						<b>2,000</b>		<b>1,900</b>	<b>11,400</b>
<b>West Stanislaus Irrigation District:</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>Byron Bethany Irrigation District:</b>						<b>499</b>		<b>474</b>	<b>1,678</b>
<b>Patterson Irrigation District:</b>						<b>0</b>		<b>0</b>	<b>0</b>
<b>San Joaquin River Restoration Pump Back BCID:</b>						<b>975</b>		<b>975</b>	<b>3,265</b>
<b>San Joaquin River Restoration Pump Back PID:</b>						<b>975</b>		<b>975</b>	<b>4,961</b>

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







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

**SEPTEMBER 2020**

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 9136			Parks & Rec. @ San Luis Reservoir	3
			Santa Clara Valley Water District	7348
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	1785
R3 494	13		DFG @ O'Neill Forebay	64
	13		Parks & Rec. @ O'Neill Forebay	1
	13		DWR Water Truck at O'Neill 0 AF for Cattle Program @ O'Neill Forebay	0
	13		San Luis Water District	429
R4 10191	14		City of Dos Palos	176
	14		Pacheco Water District	414
	14		San Luis Water District	3585
	14		Panoche Water District	47
	15		San Luis Water District	1616
	15		Panoche Water District	1413
	15		Westlands Water District	2940
R5 18100	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	6136
	17		Westlands Water District	3259
	18		City of Coalinga	571
	18		Pleasant Valley Pumping Plant	4220
	18		Westlands Water District	3914
R6 3950	19		Alta Gas	1
	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	265
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	3684
R7 3533	20		City of Huron @ Lat. 23R	101
	20		DWR Water Truck @ 23R	5
	20		Westlands Water District	2040
	21		City of Avenal	284
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	1103
45404	0		<---TOTALS--->	45404
<b>TOTALS BY CUSTOMERS</b>				
			Pacheco Water District	414
			San Luis Water District	5630
			Panoche Water District	1460
			Westlands Water District	27296
			AltaGas	1
			City of Huron @ LAT. 23R	101
			City of Huron (P&R/Area 11 @ 22R)	0
			Lemoore N.A.S. thru WWD @ 29L & 30L	265
			DWR Water Truck @ 23R	5
			City of Avenal	284
			City of Dos Palos	176
			City of Coalinga	571
			DFG @ O'Neill Forebay	64
			Pacheco Tunnel	9133
			DFG @ Lateral 4L & 6L & 7L	0
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	4
			0 AF for DWR Water Truck at O'Neill, 0 AF for Cattle Program @ O'Neill Reservoir	0
			<b>Customers Total:</b>	<b>45404</b>
Pool 12 - Reach 2B				
VA Turnout Use AF =	32			
DWR 3137(Rev.9/15)				45436



## Monthly Availability Report

CW "Bill" Jones Pumping Plant

September - 2020

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	720	0.0	0.00%	3.8	0.53%	99.47%	5	2) BFV Control Block Pilot Valve Replacement
Unit-2	720	0.0	0.00%	0.0	0.00%	100.00%	3	
Unit-3	720	0.0	0.00%	1.9	0.26%	99.74%	1	2) Pump Pit Alarm/Trip switch malfunction
Unit-4	720	0.0	0.00%	0.0	0.00%	100.00%	4	
Unit-5	720	720.0	100.00%	0.0	0.00%	0.00%	0	1) Rewind/Rotor Rehab
Unit-6	720	0.0	0.00%	0.0	0.00%	100.00%	5	
Total	4320	720.0	17%	5.7	0.13%	82.87%	18	

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 - 2020

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	720	232.9	32.35%	9.4	1.31%	66.34%	1	1	1) Annual Maintenance 2) Plugged CW Strainer
Unit-2	720	325.4	45.19%	0.0	0.00%	54.81%	1	1	1) Annual Maintenance
Unit-3	720	0.0	0.00%	0.0	0.00%	100.00%	2	1	
Unit-4	720	0.0	0.00%	0.0	0.00%	100.00%	2	2	
Unit-5	720	0.0	0.00%	0.0	0.00%	100.00%	3	3	
Unit-6	720	0.0	0.00%	0.0	0.00%	100.00%	2	2	
Total	4320	558.3	13%	9.4	0.22%	86.78%	11	10	

Notes:

(1) Planned maintenance

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



## Monthly Availability Report

DCI Pumping Plant  
September - 2020

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%	3	
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%	2	
Total	2880	0.0	0%	0.0	0.00%	100.00%	9	

Notes:

(1) Planned maintenance

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