



July 11, 2019

To: Frances Mizuno, Assistant Executive Director

From: Bob Martin, Engineering & Planning Department Manager

Subject: O&M Report for June, 2019

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) pumped at five units the majority of the month of June. Pumping was decreased to two units June 11th-13th for predator removal testing at the Tracy Fish Collection Facility (TFCF) and again from June 18th-June 22nd for installation of new main transformer bushings at the O'Neill Pump/Generating Plant (OPP).

Total pumping for the month of June at the JPP was 226,186 acre-feet. The OPP pumped 130,941 acre-feet and generated five acre-feet. The Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) pumped 21,415 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 June 30th was 712,999 acre-feet as compared to 516,750 acre-feet on June 30th, 2018.

Releases from both Friant Dam and Pine Flat Dam decreased throughout the month of June with flows ranging from 1,700 down to 600 cfs entering the Mendota Pool from the San Joaquin River side and from 3,400 down to 30 cfs entering from the James Bypass/Kings River. Diversions into the Chowchilla Bypass at the San Joaquin River bifurcation structure ceased on June 24th.

During the month of June, Canal Operations staff members performed open channel and closed-pipe flow measurements, routine patrols including Mendota Pool levee patrols, bi-weekly meter readings, well soundings, and meter maintenance.

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

- OPP Units 1-6: Main transformers B & C bushing replacement
- DCI Units 1, 2, 5, & 6: Packing replacement and mechanical seal upgrade
- JPP Unit 3: Exciter cleaning and brush replacement
- Volta Holding Reservoir "10' Gate" stop log: Refurbishment of radial gate
- OPP Unit 4: Main unit and discharge tube rehabilitation

Civil Maintenance Department

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

- Installed stop log at Volta Holding Reservoir "10' Gate" (Grasslands Water District Mosquito Ditch) and removed radial gate for refurbishment
- Silt removal from Delta-Mendota Canal (DMC) pump sumps
- Pot hole repair on DMC operating road
- Install lakeside stop logs for OPP Unit 4
- Chemical and mechanical weed control
- Grading of DMC operating roads
- Continued fabricating and installing guard rails on top of DMC meter wells per Cal-OSHA requirements
- Maintenance and repairs to float lines, signs, fences, and gates
- Rodent control on DMC and Wasteways
- Assist with LBFO pavement seal-coat

Plant Maintenance Department

Electrical/C&I/SCADA Staff:

- Completed Jones Unit 2 annual maintenance and RTAC installation
- Began JPP Unit 5 annual maintenance
- Investigate DCI Unit 2 overload trip; replaced overloads
- Installed video projector in Control Building conference room
- Replaced JPP flow meter power supply
- Continued with lower DMC Programmable Logic Controller (PLC) upgrade replacement
- Updated relay settings database
- Replaced OPP Main Transformer B & C high-side bushings per USBR recommendation
- JPP Unit 3 exciter cleaning and brush replacement
- Replace OPP PLC CPU
- Investigate loss of SCADA control to DCI Unit 5

Mechanical Staff:

- Replaced JPP unwatering pumps check valves
- Continued with JPP Unit 5 annual maintenance
- Began rehabilitation of OPP Unit 4 main unit and penstock
- Completed repairs to OPP Unit 1 vane control distributor valve (oil leak)
- Fabrication of coupling bolts and components for OPP Unit 4 rehabilitation
- Replaced swivel coupling on JPP trash rake
- Replaced cable on JPP 80-ton hook

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, DMC O&M road repair project, DMC O&M road chipseal project, JPP Unit 2 rewind project, Tracy Administration and Civil Maintenance building flooring replacement, DMC subsidence mitigation project, JPP 100 ton gantry crane cable replacement, DMC R/W staking, DMC MP76.05L flowmeter replacement, SLDMWA maintenance labor analysis, OPP main transformer bushing replacement, WIFIA financing letter of interest support, Los Banos Field Office

parking lot seal coat, and also drawing and website management activities. Planning support was provided for civil, mechanical & electrical maintenance activities.

Charles Reyes attended the Omicron transformer diagnostics training this month.

Land Management Activity Summary:

Four (4) access permits were issued this month. Permit P2002010 was issued Del Puerto Water District to enter the Delta-Mendota Canal right-of-way to conduct field surveys for the Del Puerto Canyon Reservoir. Permit P2002011 was issued to Stanislaus Towing Services to enter upon the Delta-Mendota Canal to remove vehicles from the right-of-way. Emergency permit P2002012 was issued to Del Puerto Water District to repair the underground pipeline servicing the turnout located at MP26.89R. Finally, permit P2002013 was issued to San Luis Water District to modify the slant pump located at MP90.57L.

Continued working with developers for construction at Corral Hollow Rd bridge to support Tracy Hills development. AT&T installed overhead line without prior approval and currently working with them to utilize poles in place for Comcast and to remove the unauthorized poles that they installed. Continued working with Prologis on improvements near MP9.29. They have completed installing barrier fences to prevent public access.

Safety Department

Participated in USBR TSC Value Engineering Study for the Jones Pumping Plant excitation, control and protective system replacement, supported O'Neill Pump/Generating Plant transformer bushing replacement, 3 incident reports, budget work on FY21 budget, purchased motor grader, driver safety training, sandblast filter replacement work.

HR Department

General Administrative Activities:

- Gary Dingman, Hydrotech II, retires August 3rd. Gary has been employed with the Water Authority since 10/1/92. His strong work ethic and distinctive sense of humor will be equally missed.
- Recruiting: COO position; Tracy Hydrotech II
 - Update – internal lateral transfer, J Wiesenberger, Heavy Equipment Operator, to backfill the above pending Hydrotech II vacancy
- Summer Students: all Orientations complete.
- Employee handbook rollout: in progress
- Retirement Health Savings plan rollout: scheduled for 7/17, Los Banos, & 7/18, Tracy.
- Continued review of written Respiratory program
- Accident reporting/scheduling of appraisals/coordinating repairs:
 - 5/30/19 Charleston Rd @ DMC, Los Banos, employee stopped at stop sign on DMC road, did not see oncoming vehicle, collided.
 - 6/3/19 Corral Hollow @ DMC, Tracy, employee hit from behind by dump truck while slowing to make left turn onto canal.
- Coordinate Supervisor Staff Meeting for 7/9/19, Safety training

Government Reporting:

- Coordinate with consultant on finalizing GreatPlains reporting mechanisms to move these reports from an Access database to the GP HR module; ongoing. Missed target date of June 10 for status check

Training:

- HR staff specific:
 - Laures Stiles & Liz Heredia (Work Planning Tech) attended Department of Transportation's Designated Employer Representative training
 - Laures Stiles & Stephanie Harris: Sexual Harassment Training for Managers & Supervisors

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: Conducted public bid opening. Talley Oil was lowest bidder, and Construction Agreement has been signed, and all required bonds and insurance have been received. Submittals still need to be received and approved. Field work is tentatively scheduled for week of August 19 or 26th.

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

Status: Conducted public bid opening on July 2. Only one bid was received and was accepted. References for Pavement Recycling Systems will be checked in early July.

DMC Subsidence Mitigation

Status: The USBR survey and SLDMWA teams completed the bathymetric survey and the report will be provided in mid-July. Preparation of the project scopes and cost estimating has begun and preliminary estimates should be available in early August.

C.W. “BILL” JONES PUMPING PLANT (JPP)

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

Status: The Value Engineering Study was performed during the last week in June. The study report will be provided in late July.

JPP Unit No. 2 Rewind

Status: The mandatory pre-bid conference (job walk) was held on June 12th. Four contractors attended: National Electric Coil, Voith Hydro, ABB and Andritz. The due date for the proposals is July 9th.

JPP/OPP/DCI Fire Protection Systems Assessment

Status: No activity this month.

O’NEILL PUMPING/GENERATING PLANT (OPP)

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

Status: Reclamation Denver Office has been tasked with the support, but have not yet responded. The project was scheduled to be completed in parallel with the pump rehabilitation project. It appears Reclamation will not be able to provide the support to meet our schedule. The SLDMWA staff has proposed to combine all of the man door installations into one project and perform the work on site. Currently the project will be scheduled for FY24.

Rehabilitate Pump Assemblies Unit No. 4 (1900462)

Status: Scaffolding erection completed by contractor. Crew started the unit disassembly of the unit. Dresser hoops have been manufactured and picked up from manufacturer. Awarded bid for upper enclosure tube to UNICO. Various contracts and bid documents are being prepared for the required services to complete unit no. 4 rehabilitation.

Rehabilitate Penstock Interiors - Unit No. 4 (1800461)

EXTRAORDINARY O&M & CAPITAL PROJECTS

Status: Partially completed contract documents for penstock rehab and pump assembly coating rehabilitation. Will be publically advertised on July 9th, with bid opening on July 24. Mobilization tentatively scheduled for August 26th.

Main Transformers Condition Assessment

Status: The high voltage bushings found during the assessment of the main transformers were GE Type U bushings. Concern about the bushing's rising power factor and documented accounts of bushing failures related to Type U bushings, it was recommended by TSC to replace the bushings. B & C Phase high voltage bushings were replaced with ABB Type O Plus C bushings on June 18-21. The project was completed with the help from USBR's offices (NCAO, CCAO, and CVO) and ABB.

LOS BANOS FIELD OFFICE (LBFO)

LBFO Parking Lot Seal Coat and Striping (1900480)

Status: Seal coat and striping was completed this month. Project complete.

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement (2000158)

Status: Began soliciting potential bidders for project.



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

NOTE: ALL FIGURES ARE IN ACRE FEET

	May-2019	May-2018
JONES PUMPING PLANT - PUMPED	86,544	102,118
DCI PLANT - PUMPED	3,225	0
DCI PLANT - RETURNED	0	34,369
O'NEILL P/G PLANT - PUMPED	36,449	20,171
O'NEILL P/G PLANT - GENERATED	35,040	19,246
DMC DELIVERIES	37,072	44,609
RIVER/WELL/RECYCLE WATER INTO DMC	6,622	6,570
MENDOTA POOL DELIVERIES	86,073	100,881
SHASTA RESERVOIR STORAGE	4,476,800	3,955,300
SAN LUIS RESERVOIR STORAGE	1,441,077	1,527,688
* FEDERAL SHARE	742,138	669,943

	May-2019	May-2018
SAN LUIS UNIT DELIVERIES	13,371	14,888
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	8,976	18,979

Jones Pumping Plant monthly average = 1,407 cfs



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
May 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: 6/19/19

District/Other	Total Available Water into System (INCOMING) (Acre Feet)	AG/Refuge Deliveries (Acre Feet)	M & I Deliveries (Acre Feet)	Total Deliveries (OUTGOING) (Acre Feet)
Total Pumped @ Jones Pumping Plant	86,544			
Total Pumped @ DCI	(3,225)			
Total Reversed @ DCI	0			
City of Tracy		0	784	784
Byron Bethany I.D.		671	76	747
West Side I.D.		0	0	0
Banta Carbona I.D.		11	0	11
West Stanislaus I.D.		0	0	0
Patterson I.D.		0	0	0
Del Puerto W.D.		7,022	0	7,022
Central California I.D. - above check #13		1,501	0	1,501
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)		3,862	0	3,862
Total Pumped @ O'Neill PP	(36,449)			
Total Generated @ O'Neill PP	35,040			
Central California I.D. - below check #13		7,752	0	7,752
Grasslands W.D. (76.05-L)		8,618	0	8,618
Fish & Game Los Banos Refuge (76.05-L)		641	0	641
Fish & Wildlife Kesterson (76.05-L)		578	0	578
Freitas Unit (76.05-L)		473	0	473
Salt Slough Unit (76.05-L)		236	0	236
China Island (76.05-L)		275	0	275
San Luis W.D. - below check #13		854	0	854
Panoche W.D.		1,746	2	1,748
Eagle Field W.D.		382	0	382
Oro Loma W.D.		25	0	25
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		1,563	0	1,563
River and Groundwater well pump-in	5,370			
North Valley Regional Recycled Water Program	1,252			
Change in Canal Storage	75			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	88,562			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(37,072)	36,210	862	37,072
Theoretical DMC Delivery to Mendota Pool	51,490			
Total Estimated DMC Delivery to MP (determined at Check 20)	48,745			
Estimated (Loss) or Gain in DMC	(2,745)			
Estimated % Loss or Gain in DMC	-2.26%			



**San Luis & Delta-Mendota Water Authority
Monthly Deliveries
May 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	48,745			
Mendota Pool Groundwater Well Pump-In	504			
(+)SJRR Releases into Mendota Pool	11,432			
(+) San Joaquin Flood Releases into Mendota Pool	17,594			
(+)Kings River Flood Releases into the Mendota Pool	44,458			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		40,326	0	40,326
Columbia Canal Company (CCC)		4,361	0	4,361
Firebaugh Canal Water District (FCWD)		2,073	0	2,073
San Luis Canal Company (SLCC)		10,644	0	10,644
<u>Refuge:</u>				
Conveyance Losses		0	0	0
Calif Dept of F/G-LB Unit (CCID)		214	0	214
Calif Dept of F/G-LB Unit (SLCC)		168	0	168
Calif Dept of F/G-Salt Slough Unit (CCID)		78	0	78
Calif Dept of F/G-China Island Unit (CCID)		92	0	92
US Fish & Wildlife-San Luis Refuge (SLCC)		2,500	0	2,500
US Fish & Wildlife-Freitas (CCID)		158	0	158
US Fish & Wildlife-Kesterson (CCID)		193	0	193
Grasslands WD (CCID)		2,584	0	2,584
Grasslands WD (SLCC)		771	0	771
Grasslands (Private)		288	0	288
San Luis WD Conveyance (CCID)		7	0	7
Del Puerto WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration:</u>				
SJRR		8,654	0	8,654
<i>Other: (see MP Operations Report)</i>		12,962	0	12,962
<i>Total Available Water in Mendota Pool</i>	122,733			
TOTAL DELIVERY FROM MENDOTA POOL	(86,073)	86,073	0	86,073
*Estimated (Loss) or Gain in Mendota Pool	(36,660)			
*Estimated % Loss or Gain in Mendota Pool	-29.87%			
Total System Delivery	(123,145)			
*Total Estimated System (Loss) or Gain	(39,405)			
*Total Estimated % System Loss or Gain	-28.36%			

Special Notes: The system loss was due to the majority amount of floodwater(KRW) that was passed through the dam.



Jones Pumping Plant
May - 2019

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	1	CONTINUOUSLY	992
2	1	CONTINUOUSLY	991
3	1	CONTINUOUSLY	814
4	1	CONTINUOUSLY	813
5	1	CONTINUOUSLY	816
6	1	CONTINUOUSLY	815
7	1	CONTINUOUSLY	818
8	1	CONTINUOUSLY	815
9	1	CONTINUOUSLY	816
10	1	CONTINUOUSLY	816
11	1	CONTINUOUSLY	814
12	1	CONTINUOUSLY	812
13	1 to 2	0001	1972
14	2	CONTINUOUSLY	1980
15	2 to 3	0001	2622
16	3	CONTINUOUSLY	2618
17	3	CONTINUOUSLY	2610
18	3 to 1	0001	990
19	1	CONTINUOUSLY	989
20	1	CONTINUOUSLY	987
21	1	CONTINUOUSLY	987
22	1	CONTINUOUSLY	987
23	1 to 3	0001	2733
24	3	CONTINUOUSLY	2684
25	3	CONTINUOUSLY	2712
26	3	CONTINUOUSLY	2700
27	3	CONTINUOUSLY	2687
28	3 to 1	0001	809
29	1	CONTINUOUSLY	811
30	1	CONTINUOUSLY	811
31	1	CONTINUOUSLY	814
AVG CFS for the month			1408



NON-PROJECT WATER CREDITS REPORT
 (ALL FIGURES IN ACRE FEET)
 May 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: 6/19/19

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	16,033,311	17,463,742	1	0	BCID	4,390	(220)	4,170	6,545
20.42-L	16,033,311	17,463,742	1	0	USB/FWA	0	0	0	0
21.12-L	990	990	1.01	0	DPWD	0	0	0	0
21.86-L	769	769	1	0	DPWD	0	0	0	0
24.38-L	1,763	1,763	1.04	0	DPWD	0	0	0	0
29.95-R	944	944	0.87	0	DPWD	0	0	0	0
30.43-L	7,422	7,422	1	0	DPWD	0	0	0	0
30.43-R	2,123	2,123	0.92	0	DPWD	0	0	0	0
30.95-L	1,915	1,915	1.03	0	DPWD	0	0	0	0
31.31-L1	46,778	46,779	1	(1)	WSTAN	0	0	0	0
31.31-L2	46,778	46,779	1	(1)	DPWD	0	0	0	0
31.31-L3	46,778	46,779	1	(1)	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	1,842	1,842	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	4,440,820	4,495,848	1	0	PID	1,263	(63)	1,200	1,200
42.53-L	4,440,820	4,495,848	1	0	USB/FWA	0	0	0	0
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	4,106	4,108	1.07	(2)	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								5,370	7,745



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

May 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	60	60	0.94	0	SLWD	0	0	0	0
80.03-R	638	638	1.05	0	SLWD	0	0	0	0
98.60-R	10,788	10,789	1	(1)	PANOCHÉ/MS	0	0	0	0
98.74-L	5,695	5,695	1.14	0	PANOCHÉ/MS	0	0	0	0
99.24-L	10,493	10,493	0.92	0	PANOCHÉ/MS	0	0	0	0
100.70-L	6,211	6,211	1	0	PANOCHÉ/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								5,370	7,745
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)						1,263		1,200	1,200
TOTAL (SAN LUIS WATER DISTRICT)						0		0	0
TOTAL (PANOCHÉ 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:						4,390		4,170	6,545
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:						0		0	0

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



**MENDOTA POOL OPERATIONS
2019
ALL FIGURES IN ACRE-FEET**

To: Adam Hoffman; Bill Pipes; Cheryl Lassotvitch; 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 Buena; 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:6/19/19

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FCWD	0	0	0	0	0								0
CCID	0	0	0	0	0								0
FRESNO SLOUGH	69	222	219	224	181								915
TPUD	0	0	24	0	0								24
JAMES I.D.	0	1,105	0	5,666	5,083								11,854
MEYERS	777	1,280	812	1,073	889								4,831
M.L. DUDLEY & INDART ¹	11	26	191	397	391								1,016
MID VALLEY* (Kings River)	0	0	0	0	369								369
REC. DIST. 1606	0	0	0	62	0								62
STATE FISH & WILDLIFE	1,498	804	549	400	682								3,933
TRACTION	743	356	494	425	609								2,627
UNMETERED	55	10	50	50	150								315
Total	2,296	1,170	1,093	875	1,441	0	0	0	0	0	0	0	6,875
COELHO FAMILY TRUST ²	33	79	348	699	629								1,788
TRANQUILITY I.D.	293	1,885	1,415	2,257	2,558								8,408
WESTLANDS LATERAL-6	0	0	0	192	46								238
WESTLANDS LATERAL-7	0	0	0	387	1,273								1,660
CARVALHO TRUST	9	9	36	94	102								250
TOTAL	3,488	5,776	4,138	11,926	12,962	0	0	0	0	0	0	0	38,290

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 787 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 242 AF MVWD 369 AF, TID 2558 AF, CGH 25 AF, TL 38 AF
Jun-19	_____
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%	0%	0%	0%	0%

Jan, 2019
DMC Inflow 19,736 AF
James Bypass Flows 0 AF

Feb, 2019
DMC Inflow 28,126 AF
James Bypass Flows 0 AF

Mar, 2019
DMC Inflow 22,485 AF
James Bypass Flows 179 AF

Apr, 2019
DMC Inflow 51,491 AF
James Bypass Flows 438 AF

May, 2019
DMC Inflow 48,745 AF
James Bypass Flows 44,458 AF

June, 2019
DMC Inflow A.F
James Bypass Flows AF

July, 2019
DMC Inflow AF
James Bypass Flows AF

Aug, 2019
DMC Inflow AF
James Bypass Flows AF

Sept, 2019
DMC Inflow AF
James Bypass Flows AF

Oct, 2019
DMC Inflow AF
James Bypass Flows AF

Nov, 2019
DMC Inflow AF
James Bypass Flows AF

Dec, 2019
DMC Inflow AF
James Bypass Flows AF



SAN LUIS UNIT DELIVERIES

(ALL FIGURES IN ACRE-FEET)

May 2019

To: Erma Leal; Gabe Mora; Katrina Buelna; Linda Colella; Mark Rhodes; Joyce Machado; Marta Rivas; Melody Hernandez; Rebecca Heilman; Scott Crist; Sonya F Nechanicky; Stacey Smith; Tatiana Carrillo; Tom Boardman

Prepared by: Chaune Lee, Water Operations Superintendent, 530-228-4504 (cell)

Source document: Table 19 (DWR)

Date: 6/19/19

O'NEILL FOREBAY AND POOL 13, SAN LUIS CANAL

O'NEILL FOREBAY WILDLIFE AREA		42
SAN LUIS WATER DISTRICT	AG	489
	M&I	68
V.A. CEMETERY		63
SUBTOTAL		662

SAN LUIS CANAL, POOLS 14 THRU 21

SAN LUIS WATER DISTRICT	AG	7839
	M&I	2
PANOCHÉ WATER DISTRICT	AG	3924
	M&I	8
PACHECO WATER DISTRICT	AG	0
	M&I	0
PACHECO C.C.I.D. NON PROJECT		936
SUBTOTAL		12709

TOTAL SAN LUIS UNIT 13371

PANOCHÉ M&I INCLUDES 1 A.F. @ 89.70-L DOS PALOS
 SAN LUIS WATER DISTRICT WELL WATER CREDIT- M.P. 79.67-R = 0

MONTHLY DELIVERIES FOR SAN FELIPE UNIT

VALLEY WATER		8482
SAN BENITO CO. W.D.		494
CASA DE FRUTA		0
TOTAL		8976

San Luis & Delta Mendota Water Authority
 2019 Volta Wasteway Deliveries

To: Erma Leal; Gabe Mora; Linda Colella; Joyce Machado; Marta Rivas; Melody Hernandez; Ken Swanson; Sonya Nechanicky; Stacey Smith; Tatiana Carrillo; Wes Harrison; Lara Sparks; Sean Allen

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

Date: 6/19/19

Month	Total Released at Volta WW	Grasslands Total	CA Dept. Fish & Wildlife (DFW)			Total Delivered	F&W Kesterson	Grasslands Charged	DFW Charged	Total Spill	Volta Wells Total Groundwater (L-2 & Inc. L-4 50/50 Split)	GWD 1 & 2		Kesterson Volta Wells Groundwater Level 2	DFW Volta Wells Groundwater Level 2
			Lift Pumps	Gravity	Total							Volta Wells Groundwater			
												Level 2	Inc. Level 4		
Mar-19	379	140	192	0	192	332	0	140	192	636	0	0	0	0	0
Apr-19	622	848	0	0	0	848	0	622	0	169	0	0	0	0	0
May-19	4,960	3,862	0	0	0	3,862	0	3,862	0	60	0	0	0	0	0
Jun-19					0	0									
Jul-19					0	0									
Aug-19					0	0									
Sep-19					0	0									
Oct-19					0	0									
Nov-19					0	0									
Dec-19					0	0									
Jan-20					0	0									
Feb-20					0	0									
TOTAL	5,961	4,850	192	0	192	5,042	0	4,624	192	865	0	0	0	0	0

All figures in acre feet. Charged amounts are calculated by a percentage of total amounts delivered applied to the total water available



Monthly Availability Report

CW "Bill" Jones Pumping Plant

May - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts	Comments
							Pump	
Unit-1	744	488.4	65.65%	0.0	0.00%	34.35%	1	Annual Maintenance/Tube Inspection
Unit-2	744	737.0	99.06%	0.0	0.00%	0.94%	0	Annual Maintenance/Tube Inspection
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-4	744	0.0	0.00%	0.0	0.00%	100.00%	3	
Unit-5	744	254.4	34.19%	0.0	0.00%	65.81%	0	Annual Maintenance
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	2	
Total	4464	1479.8	33%	0.0	0.00%	67.00%	7	

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
May - 2019

Unit #	Max Hours	Scheduled Outages (1)	%	Unscheduled Outages (2)	%	Over-all Availability %	Starts		Comments
							Pump	Gen	
Unit-1	744	0.0	0.00%	744.0	100.00%	0.00%	0	0	1) XFMR Inspection 2)Dist. Head oil leak
Unit-2	744	82.6	11.10%	0.0	0.00%	88.90%	4	1	XFMR Insp.
Unit-3	744	82.6	11.10%	0.0	0.00%	88.90%	4	0	XFMR Insp.
Unit-4	744	82.6	11.10%	0.0	0.00%	88.90%	1	0	XFMR Insp.
Unit-5	744	82.6	11.10%	0.0	0.00%	88.90%	4	0	XFMR Insp.
Unit-6	744	288.2	38.74%	41.2	5.54%	55.72%	3	3	1)Annual Maint/XFMR Inspection 2)Unit 86'd with no issues found
Total	4464	618.6	14%	785.2	17.59%	68.41%	16	4	

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

May - 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%	2	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	2	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	1	
Total	2976	0.0	0%	0.0	0.00%	100.00%	6	

Notes:

(1) Planned maintenance

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