



March 5, 2020

To: Pablo Arroyave, Chief Operating Officer

From: Bob Martin, Engineering & Planning Department Manager

Subject: O&M Report for February 2020

Operations Department

The C.W. "Bill" Jones Pumping Plant (JPP) began the month of February at three units due to the D-1641 Delta outflow criteria (D-1641). Pumping was increased to four units on February 5th due to available water in the Delta, but reduced back to three units on the 9th (D-1641). Pumping was further reduced to two units on February 12th and one unit on the 13th (D-1641). On February 21st, the JPP went to zero pumping for 24 hours (D-1641) and returned to the one-unit operation.

As of February 25th, the total pumping at the JPP was 88,941 acre-feet. The O'Neill Pump/Generating Plant (OPP) pumped 44,220 acre-feet and generated 28,418 acre-feet. The Delta-Mendota Canal/California Aqueduct Intertie Plant (DCI) pumped 29 acre-feet during full pumping at the JPP (February 1st) 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 February 25th was 503,300 acre-feet as compared to 908,829 acre-feet on February 25th, 2019.

As of February 25th, releases from Friant Dam ranged from 385 to 587 cfs and flows entering the Mendota Pool ranged from 141 to 293 cfs. Flows of 141 to 290 cfs were released passed Mendota Dam for the San Joaquin River Restoration Program (SJRRP).

During the month of February, Canal Operations staff members performed the following:

- open channel and closed-pipe flow measurements
- routine patrols
- bi-weekly meter readings
- well soundings
- meter maintenance

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

- JPP Unit 5; Exciter brush replacement, cleaning, and slip ring machining
- Tracy Fish Collection Facility (TFCF); unwatering pump replacement

Civil Maintenance Department

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

- Clean DMC drain inlets
- Assist with O'Neill Unit 4 main unit rehabilitation
- Fabricate anti-theft covers for DMC block house conduits
- Chemical and mechanical weed control
- Grading of DMC operating roads
- Clean out Little Salado Creek
- Assist with cleaning out Tracy Electric Shop for flooring replacement
- Assist with removal and installation of pump at TFCF
- Check 18 concrete liner repair: Removal of broken concrete panels, reshape embankment, fill void with rock, overlay concrete mats, apply concrete slurry to mats, assist dive team
- Remove tumbleweeds from DMC
- Prepare DMC turnout 8.51-L for reactivation; installed new trash racks, repaired gate shaft coupling (divers), and installed meter
- 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 5 and cleaned exciter of brush dust
- Replaced DMC Check 10, gate #3 motor
- Investigate communication loss with DMC Check #9; rebooted PLC
- Adjust O'Neill Unit 1 vane position indication for SCADA
- Electrical safety training
- Removed all furniture, cabinets, and equipment from Tracy Electric Shop for flooring replacement
- Exterior lighting repairs around Tracy compound
- Replaced float switch for JPP Unit 3 pump pit alarm
- Replaced DMC Check 11 block house door alarm switch

Mechanical Staff:

- O'Neill Unit 4 main unit rehabilitation: Main unit partial assembly for motor-to-pump (bottom) bearing alignment check; motor relocated and new dowel pin holes drilled. Reinstalled flow meters in penstock and alignment confirmed by Accusonic meter technician. Began full assembly of unit.
- JPP Unit 2 rewind: Contractor NEC installed, secured, and tested the stator coils; removed and replaced one failed coil. Began installation of lamination wedges. Authority crews continued to provide crane support.
- Continued installation of new JPP air wash system (swamp cooler) for humidity control and cooling
- Assist with JPP Unit 5 exciter cleaning and brush replacement. Re-machined slip rings

- Replaced unwatering pump at TFCF
- Continued repairs to JPP 100-ton gantry crane south rail
- Welded wear sleeves on spindles for Tracy Civil Maintenance's disk

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, JPP unit 2 rewind project, JPP slip ring and commutator repairs, JPP air wash system replacement, DMC check structure gear box replacement, JPP gantry crane rail repairs, DCI & OPP cathodic protection surveys, DCI U4 switchgear replacement, DCI electrical PMs, OPP security system PM's, TFF electrical PMs, TFO electric shop floor replacement, DMC check 18 lining repair, and DMC subsidence mitigation project. Planning support was provided for civil, mechanical & electrical maintenance activities.

Land Management Activity Summary:

One (1) access permit was issued this month. Access permit P2002026 was issued to Del Puerto Water District to install, pump & motor and replace the existing pipeline servicing the turnout located at MP25.63R on the Delta-Mendota Canal.

Safety Department

The Safety Department worked on the following items this month: one vehicle accident, DMC check structure no. 18 lining repair project support, OPP unit 4 rehabilitation project support, miscellaneous JHA review and approvals, accepted delivery of the new 200 KW generator, began FY21 fleet purchasing process, began FY22 budgeting, began preparing new Injury & Illness Prevention Program, provided support engineering on carbon brush issue and JPP control and excitation project.

HR Department

General Administrative Activities:

- Recruitment:
 - Heavy equipment operator: no applicants selected; position remains unfilled at this time.
 - FY 2021 approved positions: internal recruiting, applications due February 28 for Supervisor of Operational Accounting, Supervisor of Water Accounting, Electrical Projects Specialist, Director of HR/Admin, Director of Facilities O&M
- Beginning the RFP process for Total Compensation Survey
- Employee handbook rollout: On-going, two meetings have taken place to cover LBAO & Tracy locations. Next meeting is scheduled for Monday, March 2nd at LBFO.
- Annual quarterly safety meeting, March 12 – preparation of Attendance Recognition certificates, safety jacket lottery winners, Special Performance awards
- Coordinate certain additional aspects of the March 12 festivities
- Coordinate the rolling over of our safety incentive program to an online format
- JPIA:
 - Property Claims Management: report filing, coordinating adjuster visits for three (3) vehicle incidents.

Review/submit updated property schedules for the new policy year

Trainings/ Conferences:

- Laures continues with the Leadership Essentials course through the JPIA.
- Scheduling continues for Sexual Harassment Training for all staff as per law
- Coordinating with specific vendors for the 2020 year's safety meeting training programs (in-person defensive driving, workplace violence prevention)

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

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: The LiDAR survey results along with Bathymetric and ROW data were merged and mailed to Denver last week. The Denver Office will finalize the HEC-RAS model and begin the Hydraulic Analysis. Reclamation determined that the brand/sole source procurement of the additional pumps and valves needed to be split into two separate procurements. One for the pumps/motors and the second for the valves. This change will cause a one month in the procurement process but should not impact the overall project schedule. The review of the 60% pump/motor/valve installation specification package has been completed and Reclamation is incorporating the comments into the 90% design package which should be completed in March. The anticipated date for the design package to be submitted to procurement is May 1, 2020.

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 completed inserting the rotor coils. NEC is performing required stator coil testing. Three coils were found to be damaged during installation so NEC will provide three new Coils for spare. NEC will complete wedge and RTD installation in the stator during this week. Field pole for the rotor are scheduled to return to JPP by mid-April, 2020.

JPP Unit No. 5 Rewind

Status: Notice To Proceed (NTP) has been prepared and requisition has been created to issue NTP by February 27th, 2020 for JPP unit 5 rewind. All necessary documents were requested from NEC and those documents will arrive on Wednesday February 26, 2020 for wet signatures from SLDMWA. NEC has ordered lamination material for the unit. The scheduled NTP issue date for JPP unit 5 is March 2, 2020. The completion of unit 5 rewind by NEC is January 17, 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 is currently developing a proposal for a direct replacement bowl with 2 cast in 'windows' for access hatches.

Rehabilitate Pump Assemblies Unit No. 4 (1900462)

Status: The project has entered final assembly phase. The OPP crew is meticulously working to put together the assembly. The motor beam was centered on top of pump bowl and doweled in place. All three shaft sleeves were received by OPP crew. The crew is estimating the completion of assembly by March 10th for final shaft alignment. The estimated completion date for this project is March 20th, 2020 assuming no major issues during the shaft alignment.

Rehabilitate Penstock Interiors - Unit No. 4 (1800461)

Status: Flowmeters were tested and commissioned by Accusonics rep. Small area of coating at invert of penstock was damaged, and contractor came back to repair. Project is now complete.

Main Transformers Condition Assessment

Status: Letter of Agreement for Reclamation to perform the design of the refurbishment of the transformers is being drafted by Reclamation Tracy Office.

LOS BANOS FIELD OFFICE (LBFO)

LBFO Parking Lot Seal Coat and Striping (1900480)

Status: Project complete.

TRACY FACILITIES (TFO)

TFO Domestic Water Treatment Plant Replacement (2000158)

Status: No activity this month.



San Luis & Delta-Mendota Water Authority
OPERATIONS SUMMARY

NOTE: ALL FIGURES ARE IN ACRE FEET

	January-2020	January-2019
JONES PUMPING PLANT - PUMPED	256,214	204,834
DCI PLANT - PUMPED	28,278	0
DCI PLANT - RETURNED	0	0
O'NEILL P/G PLANT - PUMPED	199,515	173,066
O'NEILL P/G PLANT - GENERATED	0	0
DMC DELIVERIES	5,090	9,394
RIVER/WELL/RECYCLE WATER INTO DMC	887	6,590
MENDOTA POOL DELIVERIES	30,094	24,717
SHASTA RESERVOIR STORAGE	3,482,200	3,349,100
SAN LUIS RESERVOIR STORAGE	1,517,673	1,735,776
* FEDERAL SHARE	573,228	973,499

	January-2020	January-2019
SAN LUIS UNIT DELIVERIES	1,342	2,934
SAN LUIS UNIT WELL WATER	0	0
SAN FELIPE UNIT DELIVERIES	4,525	1,945

Jones Pumping Plant monthly average = 4,167 cfs



San Luis & Delta-Mendota Water Authority
Monthly Deliveries
January 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: 2/20/2020

<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)
Total Pumped @ Jones Pumping Plant	256,214			
Total Pumped @ DCI	(28,278)			
Total Reversed @ DCI	0			
City of Tracy		0	393	393
Byron Bethany I.D.		1	1	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.		117	0	117
Central California I.D. - above check #13		23	0	23
San Luis W.D.- above check #13		0	0	0
Volta Wildlife Mgmt. Area (Fish & Game)		496	0	496
Fish & Wildlife (Volta) Santa Fe - Kesterson		0	0	0
Grasslands W.D. (Volta)		2,877	0	2,877
Total Pumped @ O'Neill PP	(199,515)			
Total Generated @ O'Neill PP	0			
Central California I.D. - below check #13		2	0	2
Grasslands W.D. (76.05-L)		311	0	311
Fish & Game Los Banos Refuge (76.05-L)		74	0	74
Fish & Wildlife Kesterson (76.05-L)		94	0	94
Freitas Unit (76.05-L)		90	0	90
Salt Slough Unit (76.05-L)		87	0	87
China Island (76.05-L)		58	0	58
San Luis W.D. - below check #13		87	0	87
Panoche W.D.		184	2	186
Eagle Field W.D.		0	0	0
Oro Loma W.D.		0	0	0
Mercy Springs W.D.		0	0	0
Firebaugh Canal W.D. (D.M.C.)		193	0	193
River and Groundwater well pump-in	263			
North Valley Regional Recycled Water Program	624			
Change in Canal Storage	(29)			
Wasteway Flushing and Spill	(45)			
Total Available in Delta-Mendota Canal	29,234			
TOTAL DELIVERY FROM DELTA-MENDOTA CANAL	(5,090)	4,694	396	5,090
Theoretical DMC Delivery to Mendota Pool	24,144			
Total Estimated DMC Delivery to MP (determined at Check 20)	24,000			
Estimated (Loss) or Gain in DMC	(144)			
Estimated % Loss or Gain in DMC	-0.06%			



San Luis & Delta-Mendota Water Authority
Monthly Deliveries
January 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	24,000			
Mendota Pool Groundwater Well Pump-In	21			
(+)SJRR Releases into Mendota Pool	10,814			
(+)Kings River Flood Releases into the Mendota Pool	0			
<u>Mendota Pool Delivery Information</u>				
<u>Exchange Contractors:</u>				
Central California Irrigation District (CCID)		418	0	418
Columbia Canal Company (CCC)		0	0	0
Firebaugh Canal Water District (FCWD)		176	0	176
San Luis Canal Company (SLCC)		0	0	0
<u>Refuge:</u>				
Conveyance Losses		2,351	0	2,351
Calif Dept of F/G-LB Unit (CCID)		903	0	903
Calif Dept of F/G-LB Unit (SLCC)		433	0	433
Calif Dept of F/G-Salt Slough Unit (CCID)		1,053	0	1,053
Calif Dept of F/G-China Island Unit (CCID)		706	0	706
US Fish & Wildlife-San Luis Refuge (SLCC)		3,252	0	3,252
US Fish & Wildlife-Freitas (CCID)		1,089	0	1,089
US Fish & Wildlife-Kesterson (CCID)		1,144	0	1,144
Grasslands WD (CCID)		3,455	0	3,455
Grasslands WD (SLCC)		1,234	0	1,234
Grasslands (Private)		338	0	338
San Luis WD Conveyance (CCID)		0	0	0
<u>San Joaquin River Restoration:</u>				
SJRR		10,800	0	10,800
<u>Other: (see MP Operations Report)</u>		2,742	0	2,742
<i>Total Available Water in Mendota Pool</i>	34,835			
TOTAL DELIVERY FROM MENDOTA POOL	(30,094)	30,094	0	30,094
*Estimated (Loss) or Gain in Mendota Pool	(4,741)			
*Estimated % Loss or Gain in Mendota Pool	-13.61%			
Total System Delivery	(35,184)			
*Total Estimated System (Loss) or Gain	(4,885)			
*Total Estimated % System Loss or Gain	-1.83%			

Special Notes:



Jones Pumping Plant
January - 2020

Date	# OF UNITS	TIME ON/OFF	AVG DAILY CFS
1	5	CONTINUOUSLY	4105
2	5	CONTINUOUSLY	4105
3	5	CONTINUOUSLY	4095
4	5	CONTINUOUSLY	4071
5	5	CONTINUOUSLY	4090
6	5 to 4	0720	3556
7	4 to 5	0000	4195
8	5	CONTINUOUSLY	4234
9	5	CONTINUOUSLY	4223
10	5	CONTINUOUSLY	4191
11	5	CONTINUOUSLY	4208
12	5	CONTINUOUSLY	4194
13	5	CONTINUOUSLY	4205
14	5	CONTINUOUSLY	4266
15	5	CONTINUOUSLY	4264
16	5	CONTINUOUSLY	4205
17	5	CONTINUOUSLY	4110
18	5	CONTINUOUSLY	4133
19	5	CONTINUOUSLY	4185
20	5	CONTINUOUSLY	4183
21	5	CONTINUOUSLY	4221
22	5	CONTINUOUSLY	4206
23	5	CONTINUOUSLY	4222
24	5	CONTINUOUSLY	4201
25	5	CONTINUOUSLY	4203
26	5	CONTINUOUSLY	4197
27	5	CONTINUOUSLY	4193
28	5	CONTINUOUSLY	4182
29	5	CONTINUOUSLY	4197
30	5	CONTINUOUSLY	4262
31	5	CONTINUOUSLY	4271
AVG CFS for the month			4167



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

January 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 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:

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	18,544,878	18,595,158	1	0	BCID	0	0	0	9,500
20.42-L	18,544,878	18,595,158	1	0	USBR/FWA	0	0	0	0
21.12-L	990	990	1.01	0	DPWD	0	0	0	0
21.86-L	769	769	1	0	DPWD	0	0	0	0
24.38-L	1,763	1,763	1.04	0	DPWD	0	0	0	0
29.95-R	944	944	0.87	0	DPWD	0	0	0	0
30.43-L	7,422	7,422	1	0	DPWD	0	0	0	0
30.43-R	2,123	2,123	0.92	0	DPWD	0	0	0	0
30.95-L	1,916	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	4,854,337	4,865,812	1	0	PID	0	0	0	1,200
42.53-L	4,854,337	4,865,812	1	0	DPWD	0	0	0	0
42.53-L	4,854,337	4,865,812	1	0	USBR/FWA	263	0	263	8,492
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								263	19,192



NON-PROJECT WATER CREDITS REPORT

(ALL FIGURES IN ACRE FEET)

January 2020 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	10,792	10,792	1	0	PANOCH/MS	0	0	0	0
98.74-L	5,695	5,695	1.14	0	PANOCH/MS	0	0	0	0
99.24-L	10,493	10,493	0.92	0	PANOCH/MS	0	0	0	0
100.70-L	6,211	6,211	1	0	PANOCH/MS	0	0	0	0
102.04-R	1,000	1,000	1	0	WIDREN WD	0	0	0	0
LOWER DMC SUB TOTAL								0	0
WARREN ACT CONTRACT CREDIT TOTAL								263	19,192
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		263	8,492
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:						263		263	8,492

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



Date:2/20/2020

[illegible]

1 aka COELHO-GARDNER-HANSEN 2 aka TERRA LINDA FARMS

Kings River Water

Duck Clubs (Percent Full)

BECK	120	PATOS	COLE	TRANQUILITY	1 ACRE
0%	0%	100%	0%	100%	100%

James Bypass Flows AF

James Bypass Flows AF

James Bypass Flows AF



Date: 2/20/2020

[illegible]

2 aka COELHO-GARDNER-HANSEN

[illegible]

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

JANUARY 2020

REACH TOTALS	POOL	INFLOW INTO AQUEDUCT	CUSTOMERS	AMOUNT IN AF
R3A 4526			Parks & Rec. @ San Luis Reservoir	1
			Santa Clara Valley Water District	2069
			Casa de Fruta (Santa Clara Valley Water District)	0
			San Benito Water District	2456
R3 133	13		DFG @ O'Neill Forebay	37
	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	95
R4 3492	14		City of Dos Palos	61
	14		Pacheco Water District	235
	14		San Luis Water District	463
	14		Panoche Water District	40
	15		San Luis Water District	80
	15		Panoche Water District	389
	15		Westlands Water District	2224
R5 13561	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	4211
	17		Westlands Water District	2080
	18		City of Coalinga	595
	18		Pleasant Valley Pumping Plant	2778
	18		Westlands Water District	3897
R6 7400	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	106
	19		Kings County thru WWD 30L	0
	19		Westlands Water District	7294
5542	20		City of Huron @ Lat. 23R	43
	20		Kings County thru WWD 31L,32L,33L,34L,35L,36L	0
	20		Westlands Water District	4669
	21		City of Avenal	146
	21		Kings County thru WWD 37L,38L	0
	21		Westlands Water District	684
34654		0	<---TOTALS--->	34654
TOTALS BY CUSTOMERS				
			Pacheco Water District	235
			San Luis Water District	638
			Panoche Water District	429
			Westlands Water District	27837
			AltaGas	0
			City of Huron @ LAT. 23R	43
			City of Huron (P&R/Area 11 @ 22R)	0
			Lemoore N.A.S. thru WWD @ 29L & 30L	106
			Kings County thru WWD Laterals in Pools 19 - 21	0
			City of Avenal	146
			City of Dos Palos	61
			City of Coalinga	595
			DFG @ O'Neill Forebay	37
			Pacheco Tunnel	4525
			DFG @ Lateral 4L & 6L & 7L	0
			DWR Water Truck @ 22R/F&G @ Lat.22R	0
			Parks & Recreation	2
			0 AF for DWR Water Truck at O'Neill, 0 AF for Cattle Program @ O'Neill Reservoir	0
Customers Total:				34654
Pool 12 - Reach 2B VA Turnout Use AF = 2				
DWR 3137(Rev.9/15)				34656



Monthly Availability Report

CW "Bill" Jones Pumping Plant

January - 2020

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%	0	
Unit-2	744	744.0	100.00%	0.0	0.00%	0.00%	0	1) Stator Rewind and Rotor Rehab
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-4	744	7.9	1.06%	0.0	0.00%	98.94%	1	1) Exciter Maintenance
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	0	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	0	
Total	4464	751.9	17%	0.0	0.00%	83.00%	1	

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

January - 2020

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%	0	0	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-3	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-4	744	744.0	100.00%	0.0	0.00%	0.00%	0	0	1) Pump/Penstock Rehab
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Unit-6	744	0.0	0.00%	0.0	0.00%	100.00%	0	0	
Total	4464	744.0	17%	0.0	0.00%	83.00%	0	0	

Notes:

(1) Planned maintenance

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



Monthly Availability Report

DCI Pumping Plant

January - 2020

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%	1	
Unit-2	744	0.0	0.00%	0.0	0.00%	100.00%	2	
Unit-5	744	0.0	0.00%	0.0	0.00%	100.00%	1	
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%	5	

Notes:

(1) Planned maintenance

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