Buckman Direct Diversion

Date: **August 3, 2023**

To: **Buckman Direct Diversion Board**

From: **Randy Sugrue, BDD Operations Superintendent**

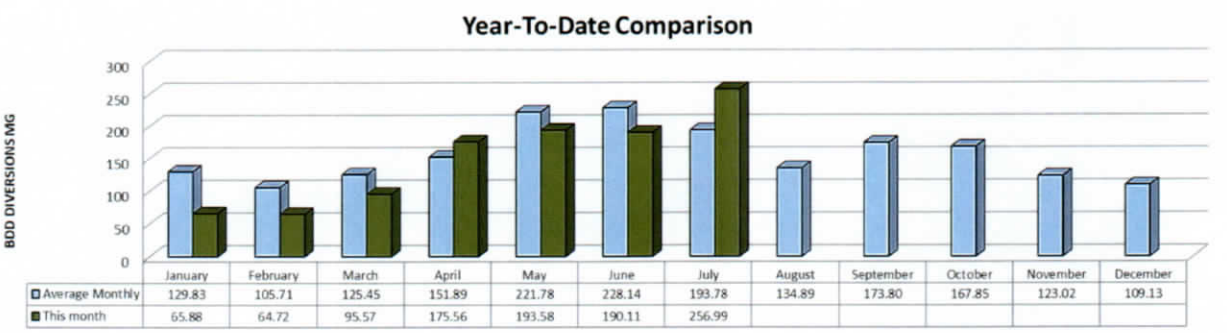
Subject: **Update on BDD Operations for the Month of July 2023**

ITEM:

1. This memorandum is to update the Buckman Direct Diversion Board (BDDB) on BDD operations during the month of July 2023. The BDD diversions and deliveries have averaged, in Million Gallons Per Day (MGD), as follows:
   a. Raw water diversions: 8.29 MGD.
   b. Drinking water deliveries through Booster Station 4A/5A: 6.58 MGD.
   c. Raw water delivery to Las Campanas at BS2A: 1.47 MG
   d. WTP Onsite water storage variation: 0.24 MGD Average. (Average gain or loss per day to the 12MG WTP onsite storage.)

2. The BDD is providing approximately 44% percent of the water supply to the City and County for the month.

3. The BDD year-to-date diversions are depicted below:



	January	February	March	April	May	June	July	August	September	October	November	December
Average Monthly	129.83	105.71	125.45	151.89	221.78	228.14	193.78	134.89	173.80	167.85	123.02	109.13
This month	65.88	64.72	95.57	175.56	193.58	190.11	256.99					

4. Regional Demand/Drought Summary and Storage-see page 2.

Regional Water Overview

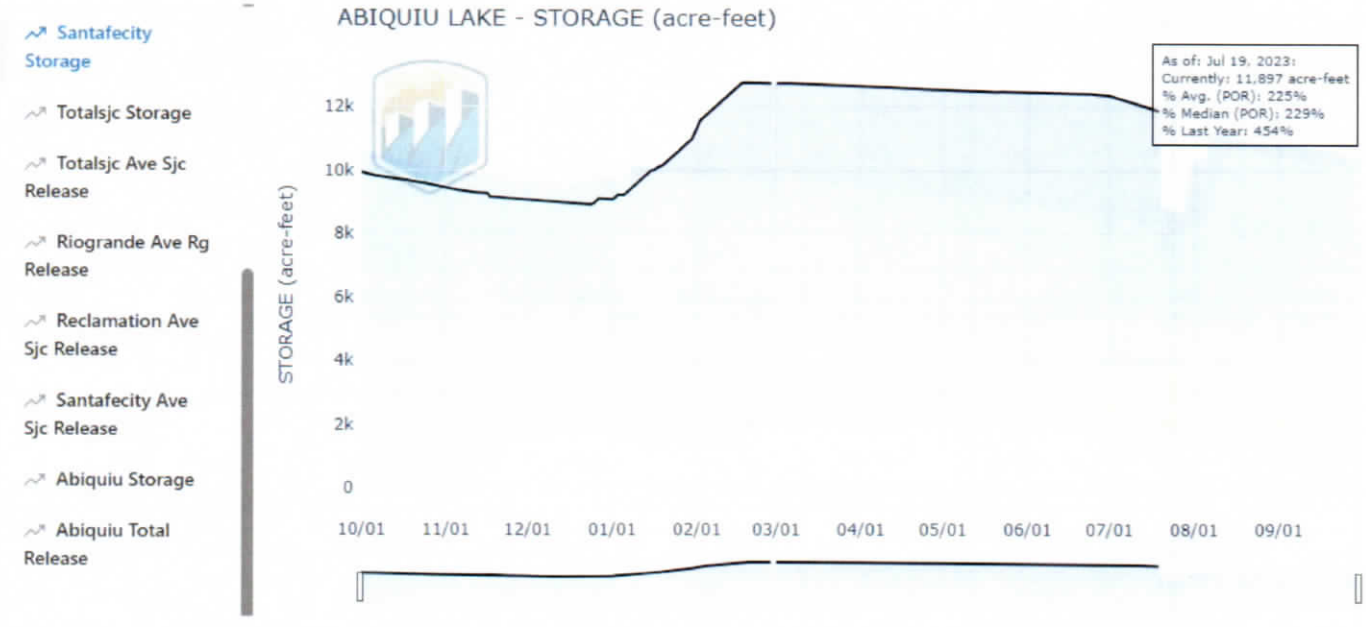
Daily metered regional water demand for the month of July 2023 is approximately 15.0 MGD.

Rio Grande flows for July 2023 averaged approximately 1480 CFS (cubic feet per second.)

CRWTP reservoir storage: Nichols: 82.4%/McClure: 89.0% (87.9% combined) Watershed Inflow: 2.09 MGD

City/County/LC Storage- as updated by partners. As of July 19, 2023 City of SF Abiquiu SJC storage is at about 11,897AF.

As of July 1, 2023 the City of Santa Fe has been allocated 5230AF of 5230AF and SF County 374AF of 375AF of SJCP water.



ENSO Summary

July 17, 2023
El Niño conditions are observed.*
Equatorial sea surface temperatures (SSTs) are above average across the central and eastern Pacific Ocean.
The tropical Pacific atmospheric anomalies are consistent with weak El Niño conditions.
There is a greater than 90% chance that El Niño will continue through the Northern Hemisphere winter.

Buckman Direct Diversion Monthly SJC and Native Diversions

Jul-23 In Acre-Feet

Month	Total SJC + Native Rights	SP-4842 RG Native COUNTY	SD-04842-A RG Native VIA SFC LAS CAMPANAS	SJC Call Total	SP-2847-E SJC Call CITY	SP-2847-N-A SJC Call LAS CAMPANAS	SP-2847-E SJC Undiverted CITY	All Partners Conveyance Losses
JAN	**202.766**	**170.639**	**0.000**	32.127	**32.127**	**0.000**	0.000	0.316
FEB	**198.863**	**198.863**	**0.000**	0.000	**0.000**	**0.000**	0.000	0.000
MAR	**298.509**	**283.752**	**0.000**	14.757	**-0.183**	**14.940**	0.000	0.148
APR	**539.513**	**456.749**	**68.929**	13.835	**13.835**	**0.000**	0.000	0.050
MAY	**594.828**	**462.276**	**132.552**	0.000	**0.000**	**0.000**	0.000	0.000
JUN	**584.178**	**458.973**	**125.205**	0.000	**0.000**	**0.000**	0.000	0.000
JUL	**928.859**	**0.000**	**0.000**	928.859	**788.959**	**139.900**	0.000	7.100
AUG	**0.000**	**0.000**	**0.000**	0.000	**0.000**	**0.000**	0.000	0.000
SEP	**0.000**	**0.000**	**0.000**	0.000	**0.000**	**0.000**	0.000	0.000
OCT	**0.000**	**0.000**	**0.000**	0.000	**0.000**	**0.000**	0.000	0.000
NOV	**0.000**	**0.000**	**0.000**	0.000	**0.000**	**0.000**	0.000	0.000
DEC	**0.000**	**0.000**	**0.000**	0.000	**0.000**	**0.000**	0.000	0.000
TOTAL	**3,347.516**	**2,031.253**	**326.686**	**989.578**	**834.738**	**154.840**	**0.000**	**7.614**

In Million Gallons

Month	Native COUNTY	SFC Native Las Campanas	SJC TOTAL	SJC CITY	SJC Las Campanas	SJC Undiverted CITY	All Partners Diversions
JAN	55.583	0.000	10.347	10.347	0.000	0.000	65.930
FEB	64.776	0.000	0.000	0.000	0.000	0.000	64.776
MAR	92.427	0.000	4.752	-0.059	4.819	0.000	97.179
APR	148.778	22.453	4.484	4.484	0.000	0.000	175.714
MAY	150.579	43.176	0.000	0.000	0.000	0.000	193.755
JUN	149.503	40.783	0.000	0.000	0.000	0.000	190.286
JUL	0.000	0.000	302.560	256.990	45.570	0.000	302.560
AUG	0.000	0.000	0.000	0.000	0.000	0.000	0.000
SEP	0.000	0.000	0.000	0.000	0.000	0.000	0.000
OCT	0.000	0.000	0.000	0.000	0.000	0.000	0.000
NOV	0.000	0.000	0.000	0.000	0.000	0.000	0.000
DEC	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	**661.646**	**106.412**	**322.143**	**271.762**	**50.389**	**0.000**	**1,090.201**

Buckman Direct Diversion Monthly SJC and Native Diversions

Dec-22

In Acre-Feet

Month	Total SJC + Native Rights	SP-4842 RG Native COUNTY	SD-03418 RG Native LAS CAMPANAS	SJC Call Total	SP-2847-E SJC Call CITY	SP-2847-N-A SJC Call LAS CAMPANAS	SP-2847-E SJC Undiverted CITY	All Partners Conveyance Losses
JAN	**511.288**	**154.905**	**0.000**	356.382	**356.382**	**0.000**	0.000	3.203
FEB	**421.814**	**421.814**	**0.000**	0.000	**0.000**	**0.000**	0.000	0.000
MAR	**376.496**	**302.219**	**0.000**	74.277	**74.277**	**0.000**	0.000	0.758
APR	**538.222**	**408.237**	**0.000**	129.985	**129.985**	**0.000**	0.000	1.327
MAY	**596.137**	**596.137**	**0.000**	0.000	**0.000**	**0.000**	0.000	0.000
JUN	**660.831**	**300.636**	**0.000**	360.194	**360.194**	**0.000**	0.000	2.397
JUL	**582.150**	**122.961**	**0.000**	459.189	**459.189**	**0.000**	0.000	2.232
AUG	**166.030**	**0.000**	**0.000**	221.847	**221.847**	**0.000**	55.818	1.067
SEP	**439.944**	**30.356**	**0.000**	409.588	**383.240**	**26.348**	0.000	1.982
OCT	**505.999**	**25.135**	**0.000**	480.864	**456.039**	**24.825**	0.000	4.780
NOV	**263.142**	**0.000**	**0.000**	270.146	**259.271**	**10.875**	7.004	2.699
DEC	**177.158**	**9.051**	**0.000**	168.107	**168.107**	**0.000**	0.000	1.650
TOTAL	**5,239.210**	**2,371.451**	**0.000**	**2,930.579**	**2,868.532**	**62.047**	**62.821**	**22.095**

In Million Gallons

Month	Native COUNTY	Native Las Campanas	SJC TOTAL	SJC CITY	SJC Las Campanas	SJC Undiverted CITY	All Partners Diversions
JAN	50.458	0.000	114.878	114.878	0.000	0.000	165.336
FEB	137.399	0.000	0.000	0.000	0.000	0.000	137.399
MAR	98.443	0.000	23.913	23.913	0.000	0.000	122.356
APR	132.976	0.000	41.848	41.848	0.000	0.000	174.825
MAY	194.181	0.000	0.000	0.000	0.000	0.000	194.181
JUN	97.927	0.000	115.951	115.951	0.000	0.000	213.878
JUL	40.052	0.000	147.861	147.861	0.000	0.000	187.914
AUG	0.000	0.000	71.472	71.472	0.000	18.182	71.472
SEP	9.888	0.000	131.951	123.448	8.503	0.000	141.839
OCT	8.187	0.000	154.855	147.123	8.009	0.000	163.042
NOV	0.000	0.000	86.992	83.484	3.508	2.281	86.992
DEC	2.948	0.000	54.143	54.143	0.000	0.000	57.092
TOTAL	**772.460**	**0.000**	**943.866**	**924.123**	**20.020**	**20.463**	**1,716.326**