



April 6, 2023

TO: LOCSD Board of Directors

FROM: Margaret Falkner, Utility Systems Manager
Alicia Zuniga, Utility Billing Specialist

SUBJECT: **Agenda Item 4D – 04/06/2023 Board of Directors Meeting**
Utilities Department Report for **February 2023**

WATER PRODUCTION INFORMATION

The total production for the month of **February 2023** was approximately **9.7 million gallons (MG)** this equates to an average daily demand of **347,600 gallons**. This represents a **24.5% decrease** in production when compared to last year.

Using the state's formula to calculate residential usage per capita per day, for the month of **February 2023** our residential customers used **46.9** gallons per person per day, a decrease from 61.6 gallons per person per day in February 2022.

PRODUCTION AND RUNTIME HOURS BY WELL SITE

The following tables break down the production by well site and runtime on the pump motors for the month of **February 2023**. Totals for last year are included for comparison:

Production (MG) February	2023	2022
Palisades	0.8761	1.2896
3rd St	2.4202	2.4383
8th Street/El Moro	1.3862	2.0335
8 th St Upper Well	0.3586	
10th St	1.6458	3.3660
South Bay (lower)	3.0203	3.7175
South Bay (upper)	0.0250	0.0530
Total:	9.7322	12.8979

Runtime (Hours) February	2023	2022
Palisades	42.5	61.7
3rd St	631.0	633.4
8th Street/El Moro	73.7	108.0
8 th Street Upper Well	51.9	
10th St	128.7	273.3
South Bay (lower)	528.7	607.7
South Bay (upper)	13.8	23.8
Total:	1470.3	1707.9

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WATER BILLING INFORMATION

Billing Period	FY '21-'22			FY '22-'23		
	Month	Gallons	Revenue	Month	Gallons	Revenue
5/11 to 7/10	Jul	11,795,212	\$213,418.01	Jul	12,046,540	\$221,290.12
6/11 to 8/10	Aug	17,035,700	\$298,796.24	Aug	17,274,312	\$315,919.84
7/11 to 9/10	Sep	12,846,152	\$227,634.65	Sep	11,935,088	\$226,879.22
8/11 to 10/10	Oct	15,479,112	\$277,602.84	Oct	16,551,744	\$309,727.62
9/11 to 11/10	Nov	10,715,100	\$199,353.50	Nov	10,730,060	\$208,838.41
10/11 to 12/10	Dec	15,013,108	\$270,072.58	Dec	12,520,772	\$249,149.51
11/11 to 1/10	Jan	9,541,488	\$183,009.48	Jan	9,015,644	\$185,704.11
12/11 to 2/10	Feb	11,932,096	\$230,156.34	Feb	11,461,604	\$236,350.29
1/11 to 3/10	Mar	9,532,512	\$184,810.59	Mar		
2/11 to 4/10	Apr	14,610,684	\$269,072.92	Apr		
3/11 to 5/10	May	10,286,496	\$193,369.27	May		
4/11 to 6/10	Jun	16,743,980	\$298,058.64	Jun		

Consumption and revenue data is based on billing for a 60-day period and final bills. Production data is based on a monthly period.

DRAINAGE WDID # 3 40M2000133

The District continues to operate and comply with the General National Pollutant Discharge Elimination System (NPDES) Permit for storm water discharges for small Municipal Separate Storm Sewer Systems (MS4). Storm water pollution prevention measures are available on the District’s Drainage web page: <http://www.lososocsd.org/drainage>

RAINFALL TOTALS

The County has a link to rain and reservoir information: <http://wr.slocountywater.org/home.php> below is a table of historical rainfall totals from the Los Osos Landfill rain monitor. This has been arranged to coincide with our Water Shortage Contingency Plan Climate Trigger which is based on rainfall measured from April 1st through March 31st.

Los Osos Landfill # 727 *** All units are in inches ***													
Water Year	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	Total
2022-2023	0.35	0.00	0.00	0.12	0.00	0.44	0.03	1.31	9.09	10.96	4.47	0.00	26.77
2021-2022	0.00	0.04	0.00	0.00	0.00	0.00	2.64	0.27	8.40	0.04	0.00	1.81	13.20
2020-2021	1.89	0.12	0.04	0.00	0.04	0.00	0.00	0.00	0.04	9.93	0.20	1.26	13.52
2019-2020	0.08	1.53	0.00	0.00	0.08	0.00	0.00	2.13	4.37	0.20	0.04	4.80	13.23
2018-2019	0.79	0.00	0.00	0.00	0.00	0.00	0.43	3.75	1.14	6.14	6.90	3.94	23.09
2017 - 2018	0.55	0.27	0.00	0.00	0.00	0.16	0.16	0.47	0.12	3.78	0.16	7.95	13.62

RECOMMENDATION

Staff encourages the Board to ask any questions they may have with regard to the aforementioned report or any other related item that may be listed separately as an agenda item.

Utility Department Updates

2022-23 CIP

Bay Oaks Well (formerly Program C Well)

The design of the well equipping phase of the project is underway and should be completed by the end of April. Bids for the water transmission pipeline phase of the project were received on March 30th. Staff is evaluating the bids for completeness before awarding the contract to the lowest bidder. If the lowest bidder qualifies, the bid is under the engineering estimate of about \$950,000.

10th Street Transfer Pump Project. Earlier in December the 10th Street transfer pump quit working. Staff knew it was having trouble and had initiated the design for the replacement of the pump and piping. The cost of the project is approximately \$40,715. The project is underway; Hartzell Construction is the contractor. Supply chain issues continue to delay work on the project. The lead time for delivery of the pump and motor is several months.

16th Street North Tank repair and re-coating will be moved to fall/winter 2023 when it can be taken out of service during less demand on the system. This project is expected to cost \$700,000. It will consist of interior and exterior repair and coating along with replacement of the fill line.

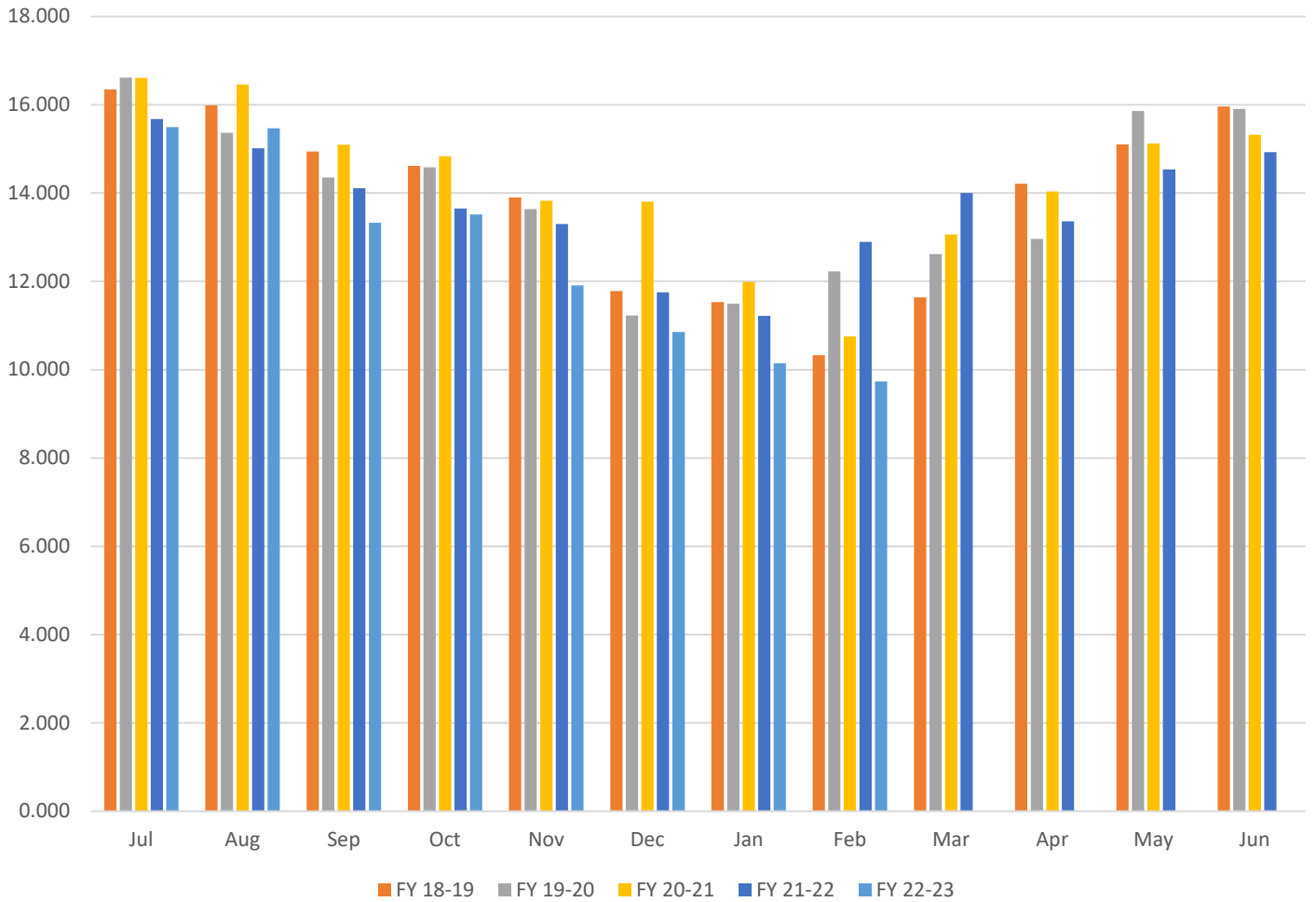
Water Resiliency Intertie Project Environmental Assessment Contract. SWCA, the consultant that has been working on the Program C Well Project, was the lowest proposer to provide similar services on the intertie project. The environmental work is scheduled to be completed by late August.

Other Updates

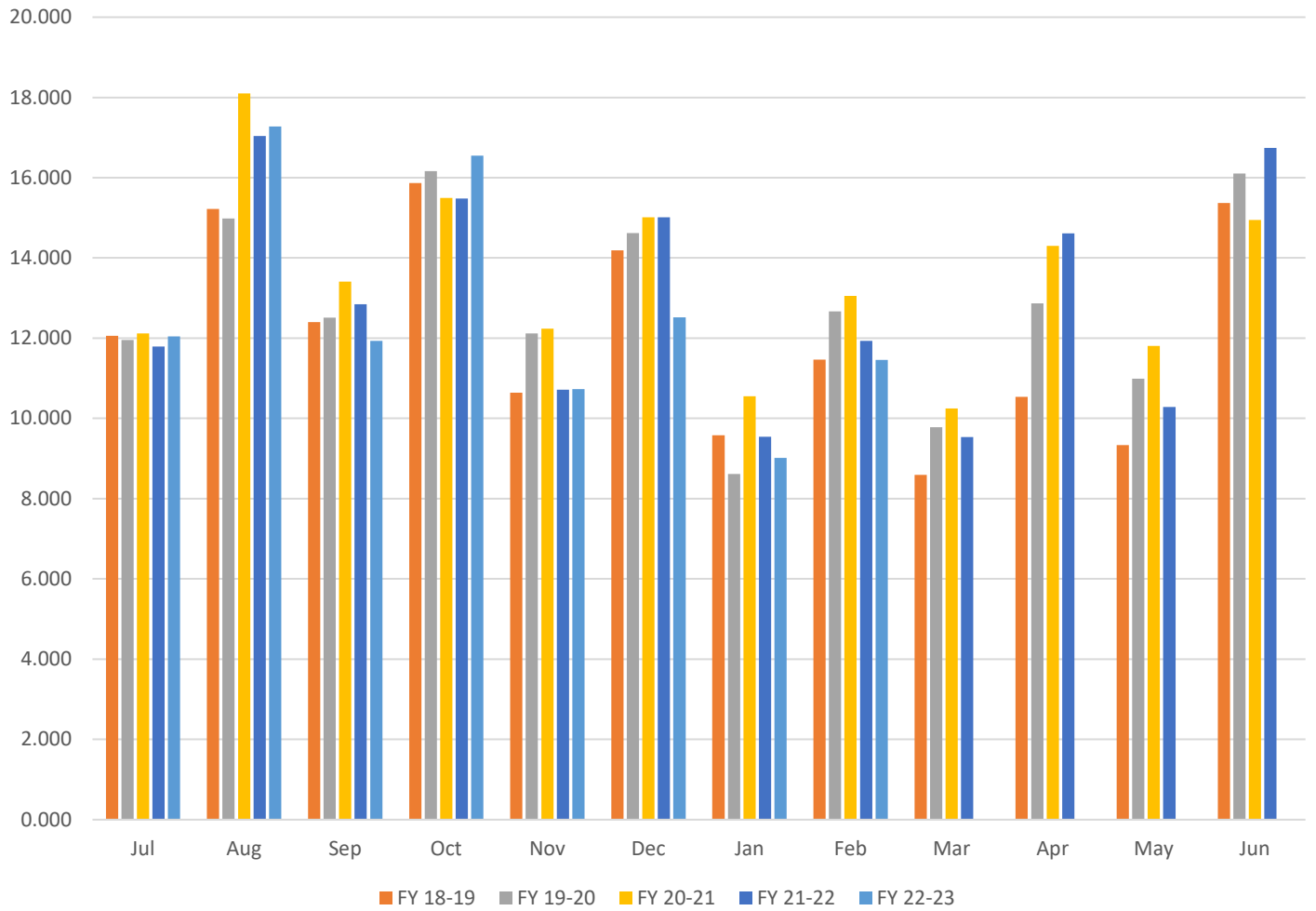
A variable frequency drive (VFD) has been installed on the 8th Street lower aquifer well. This allows the new upper aquifer well to work in unison with the lower well during normal operations and adds operational flexibility when running on its own.

Cabrillo basin repairs are underway; the area that breached has been rebuilt but remains exposed. The repairs include installing a new liner across the entire north basin wall not just the repaired area. The liner installation is scheduled for mid-April weather permitting.

LOCSO Water Production in Million Gallons



LOCSO Water Consumption in Million Gallons



LOCSD Revenue Based on Water Billing

