



February 4, 2021

TO: LOCSD Board of Directors

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

SUBJECT: **Agenda Item 5C- 02/04/2021 Board Meeting**
Utilities Department Report for **December 2020**

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WATER PRODUCTION INFORMATION

The total production for the month of **December 2020** was approximately **13.8 million gallons (MG)** this equates to an average daily demand of **460,300 gallons**. This represents approximately a **22.9% increase** in production from last year.

Using the state's formula to calculate residential usage per capita per day, for the month of **December 2020** our residential customers used **59.6** gallons per person per day, an increase from 48.5 gallons per person per day in December 2019.

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 **December 2020**. Totals for last year are included for comparison:

Production (MG) December	2020	2019
Palisades	2.4569	3.4303
3rd St	3.0336	0.0000
8th Street/El Moro	3.9628	2.6373
10th St	0.0000	2.4926
South Bay (lower)	3.9406	2.1073
South Bay (upper)	0.4136	0.5610
Total:	13.8077	11.2285

Runtime (Hours) December	2020	2019
Palisades	118.6	167.1
3rd St	725.3	0.4
8th Street/El Moro	219.9	135.3
10th St	0.0	157.2
South Bay (lower)	720.5	708.2
South Bay (upper)	247.1	332.7
Total:	2031.4	1500.9

WATER BILLING INFORMATION

FY '19-'20			FY '20-'21		
Month	Gallons	Revenue	Month	Gallons	Revenue
Jul	11,953,040	\$216,577.84	Jul	12,119,096	\$217,906.44
Aug	14,980,944	\$272,102.61	Aug	18,097,860	\$313,290.49
Sep	12,585,100	\$224,312.76	Sep	13,407,900	\$235,232.34
Oct	16,165,028	\$286,960.25	Oct	15,497,064	\$277,149.49
Nov	12,121,340	\$217,727.51	Nov	12,240,272	\$219,526.66
Dec	14,617,416	\$265,928.52	Dec	15,013,108	\$270,072.58
Jan	8,617,708	\$172,429.51	Jan		
Feb	12,669,624	\$241,461.74	Feb		
Mar	9,780,848	\$187,483.31	Mar		
Apr	12,867,844	\$244,449.45	Apr		
May	10,992,608	\$202,963.74	May		
Jun	16,105,188	\$286,586.98	Jun		

UTILITIES DEPARTMENT OPERATIONS AND MAINTENANCE

During the month of December 2020, the Utilities crew performed all required operations and maintenance tasks. The various tasks and facilities maintained are:

WATER DISTRIBUTION AND TREATMENT

- Daily, weekly, and monthly water quality sampling, analysis and reporting, for all well sites and throughout the distribution system.
- Monthly meter reading.
- Grounds keeping at well and drainage sites.
- CIP project tracking
- 10th Street Well rehabilitation coordination and support

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.losososcscd.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.

Station Name and Number		Los Osos Landfill # 727											
	*** All units are in inches ***												
Water Year	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	Total
2020-2021	1.89	0.12	0.04	0.00	0.04	0.00	0.00	0.00	0.04				2.13
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
2016 - 2017	0.20	0.00	0.00	0.00	0.00	0.00	1.65	2.76	3.39	9.02	7.65	1.34	26.01

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

1. SCADA Project Update

The Phase I Radio Survey has been completed. The report is being finalized and should be back to staff in February. Because of the projected cost of the project, \$1 million, phasing options are being considered. Next steps would be to begin the design, develop the scope of work and finalize the bid documents.

2. 10th Street Well Issues

The 10th Street well has been out of service since June 15th. After months of setbacks, the lining project was successfully completed. The well was put back into operation the week of January 18th but then experienced turbidity issues which staff is trying to resolve. Once this well is reliably up and running, demand on Palisades will be greatly reduced.

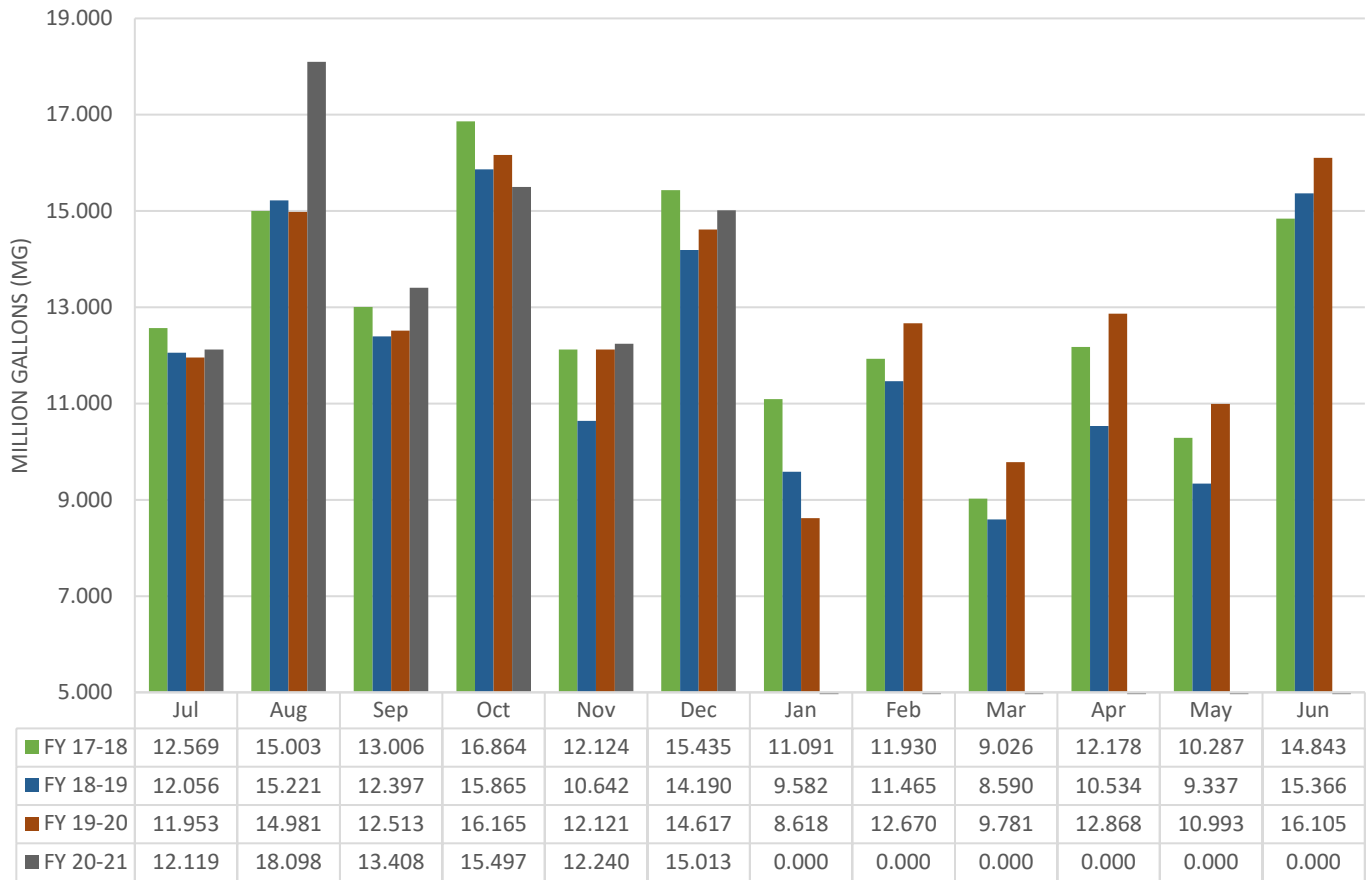
3. 16th Street Tanks Inspection

The inspection was performed on December 1, 2020. The reports were delivered on December 14, 2020. Staff has reviewed the reports and there is significant corrosion on both tanks. Staff received cost estimates for the repair and recoating work which came in at \$500,000 or more. This will become a capital improvement project. Next steps are to develop the scope of work, and prepare bid documents.

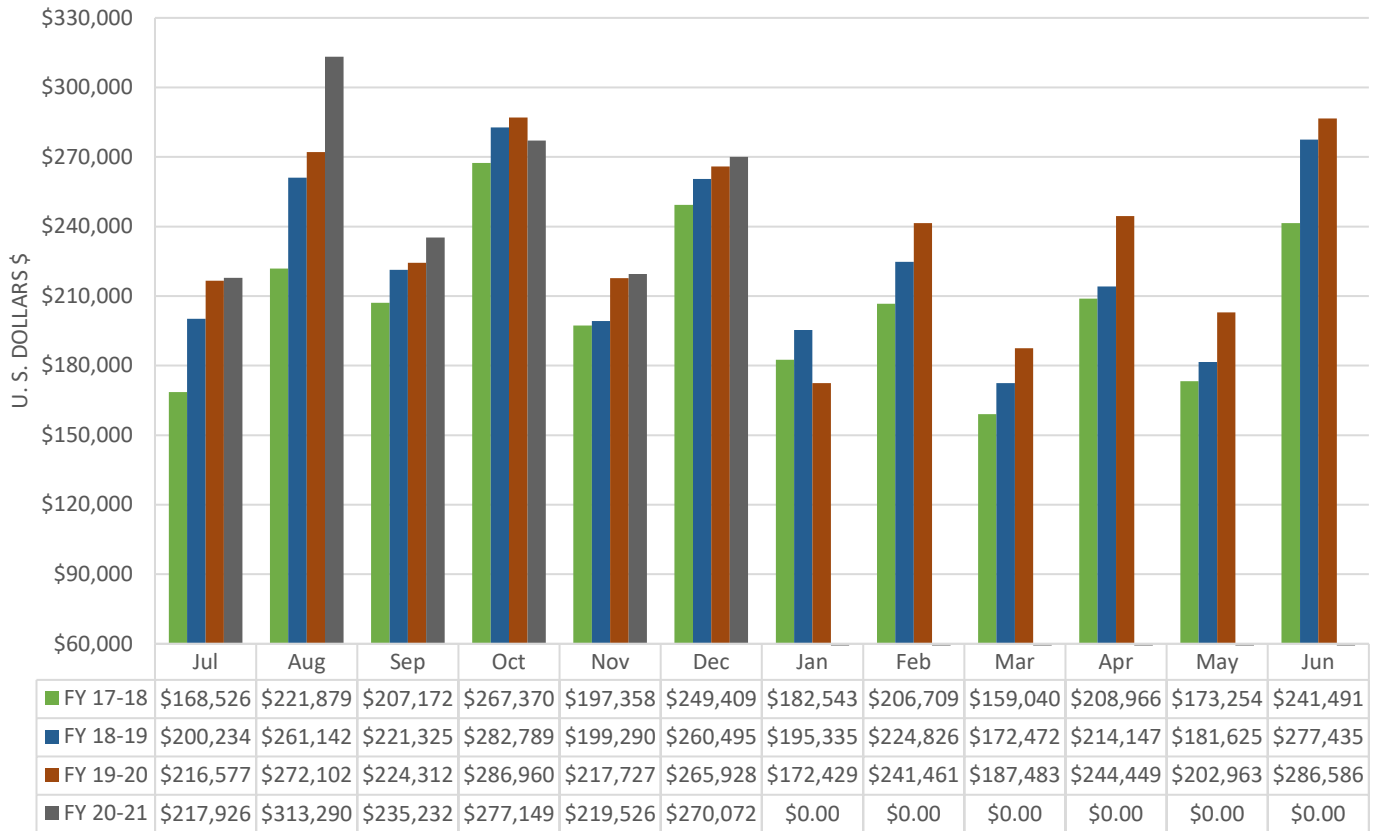
4. Program C Well

At the November 5, 2020 Board of Directors meeting the Board unanimously approved Site E which is the Bayridge site for a new well. Next steps are to continue environmental work with SWCA, begin the bid documents and permitting.

HISTORICAL TO PRESENT LOCS D WATER CONSUMPTION BASED ON BILLING



HISTORICAL TO PRESENT LOCS D WATER REVENUE BASED ON BILLING



HISTORICAL TO PRESENT LOCS D WELL PRODUCTION DATA

