



January 7, 2021

TO: LOCSD Board of Directors

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

SUBJECT: **Agenda Item 8C- 01/07/2021 Board Meeting**
Utilities Department Report for November 2020

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WATER PRODUCTION INFORMATION

The total production for the month of **November 2020** was approximately **13.8 million gallons (MG)** this equates to an average daily demand of **460,800 gallons**. This represents approximately a **1.36% increase** in production from last year.

Using the state's formula to calculate residential usage per capita per day, for the month of **November 2020** our residential customers used **61.6** gallons per person per day, an increase from 60.8 gallons per person per day in November 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 **November 2020**. Totals for last year are included for comparison:

| Production (MG) November | 2020 | 2019 |
|---------------------------------|----------------|----------------|
| Palisades | 3.1362 | 2.9411 |
| 3rd St | 1.4499 | 0.0000 |
| 8th Street/El Moro | 5.2895 | 3.8817 |
| 10th St | 0.0000 | 4.1660 |
| South Bay (lower) | 3.3688 | 2.0828 |
| South Bay (upper) | 0.5790 | 0.5662 |
| Total: | 13.8234 | 13.6378 |

| Runtime (Hours) November | 2020 | 2019 |
|---------------------------------|---------------|---------------|
| Palisades | 152.5 | 143.3 |
| 3rd St | 347.7 | 0.5 |
| 8th Street/El Moro | 297.7 | 216.9 |
| 10th St | 0 | 267.7 |
| South Bay (lower) | 682.0 | 697.3 |
| South Bay (upper) | 343.5 | 335.3 |
| Total: | 1823.4 | 1661.0 |

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 | | |
| 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 November 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.losososcscsd.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 | | | | | 2.09 |
| 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. 8th Street Water Yard Building

Construction of the building is completed. The Final inspection by the County occurred on December 3rd. The building passed inspection. We are able to move parts and equipment into the building.

2. SCADA Project Update

The Phase I Radio Survey has been completed. The report was received on October 12, 2020 and reviewed by staff and District Engineer. Comments were submitted to the consultant. There was a workshop on December 4, 2020 with the vendor, District engineer, and staff. The project includes the water system and drainage pumps. We will need to consider options for phasing in this project as it will benefit the District significantly. Next steps would be to begin the design, develop the scope of work and finalize the bid documents.

3. 10th Street Well Issues

The 10th Street Well has been out of service since June 15th. After months of setbacks, the lining project is now complete. The good news is we were able to recover most of the bottom of the well and the pump test ran 200 gallons per minute. The cost for materials is \$20,353.00 and labor to install the liner is \$4,000.00. A new pump and motor were installed the week of December 21st. The final electrical work needed was completed on December 30th; full operation of the well is anticipated the week of January 4th. Final costs for this phase of work is still to be determined. Once the well is running into the system demand on Palisades will be greatly reduced.

4. 3rd Street Well

The 3rd street well has been out of service since 2015. Staff conferred with staff from the State Drinking Water Division on the process required to get this well back into service. Labs have come back within in the required parameters. Crews worked with PG&E to investigate an unbalanced current alarm. The electrical connections were cleaned up on November 4, 2020 and the well is now running. After an evaluation of the motor, it has been recommended that the District replace the existing pump and motor sometime in the near future to ensure the reliability of the well. With this well in service the demand on Palisades and 8th Street wells has been reduced.

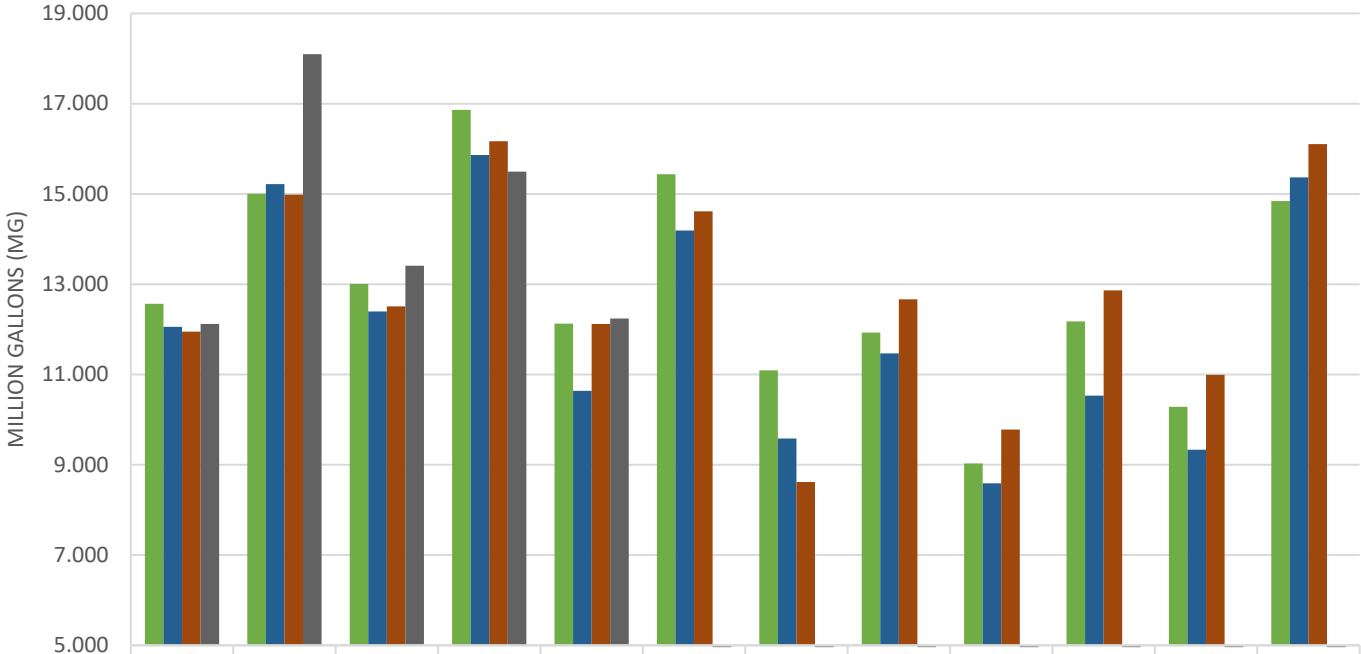
5. 16th Street Tanks Inspection

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 has asked for a cost estimate for needed repairs. Next steps are to develop the scope of work, and prepare bid documents.

6. Program C Well

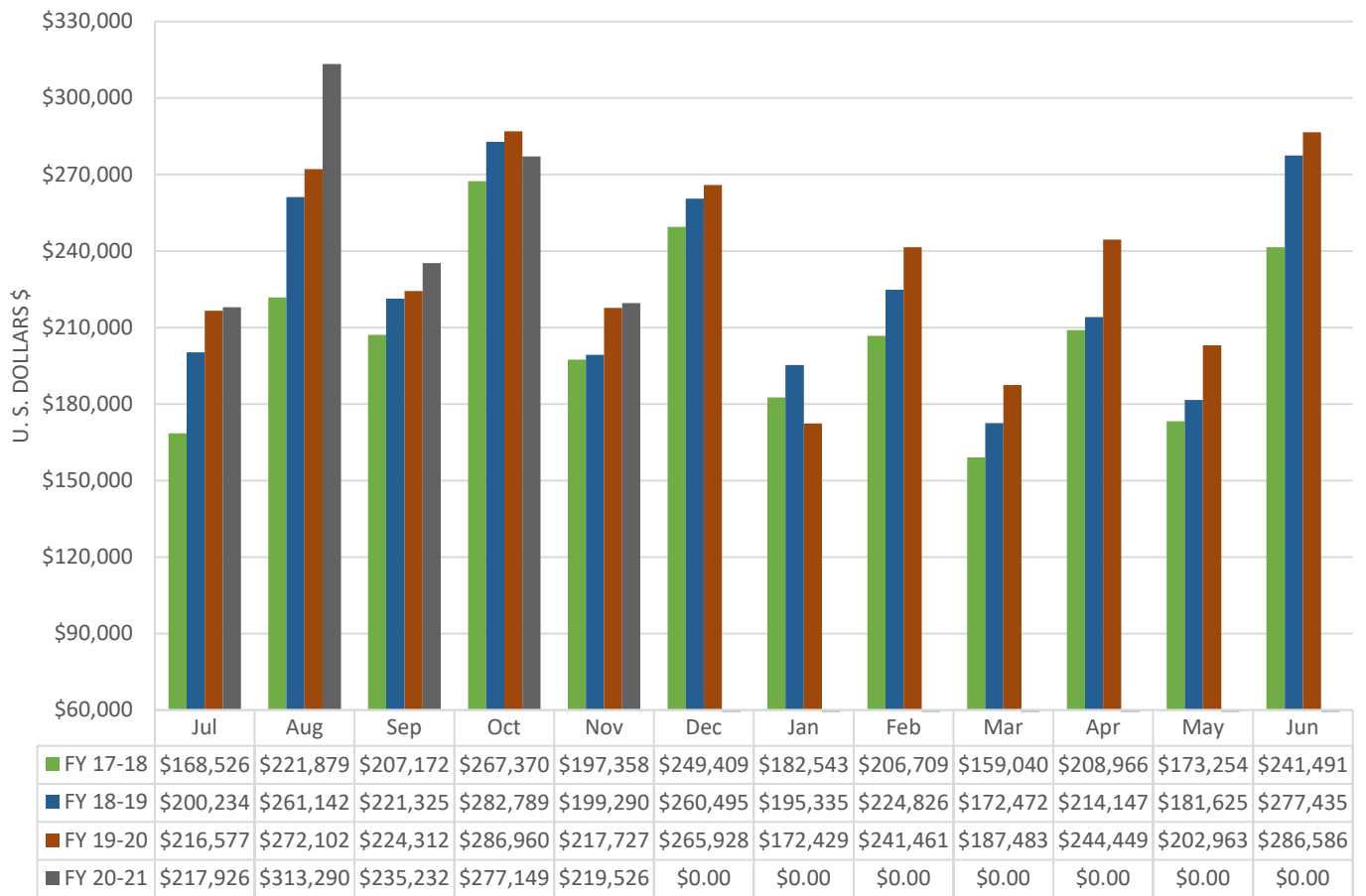
At the November 5, 2020 Board of Directors meeting the Board unanimously approved Site E which is the Bayridge site for a new well. Next steps are to continue environmental work with SWCA, begin the bid documents, permitting, and communications with Golden State Water Company.

HISTORICAL TO PRESENT LOCS D WATER CONSUMPTION BASED ON BILLING



| | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| FY 17-18 | 12.569 | 15.003 | 13.006 | 16.864 | 12.124 | 15.435 | 11.091 | 11.930 | 9.026 | 12.178 | 10.287 | 14.843 |
| FY 18-19 | 12.056 | 15.221 | 12.397 | 15.865 | 10.642 | 14.190 | 9.582 | 11.465 | 8.590 | 10.534 | 9.337 | 15.366 |
| FY 19-20 | 11.953 | 14.981 | 12.513 | 16.165 | 12.121 | 14.617 | 8.618 | 12.670 | 9.781 | 12.868 | 10.993 | 16.105 |
| FY 20-21 | 12.119 | 18.098 | 13.408 | 15.497 | 12.240 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |

HISTORICAL TO PRESENT LOCS D WATER REVENUE BASED ON BILLING



HISTORICAL TO PRESENT LOCD WELLS PRODUCTION DATA

