



December 15, 2021

TO: Utilities Advisory Committee

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

SUBJECT: **Agenda Item 4 – 12/15/2021 Utilities Advisory Committee Meeting**
Utilities Department Report for **November 2021**

WATER PRODUCTION INFORMATION

The total production for the month of **November 2021** was approximately **13.3 million gallons (MG)** this equates to an average daily demand of **443,300 gallons**. This represents a **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 **November 2021** our residential customers used **59.3** gallons per person per day, a decrease from 61.6 gallons per person per day in November 2020.

Attached is a copy of the semi-annual well sounding report that was submitted to the County of San Luis Obispo in October 2021.

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 2021**. Totals for last year are included for comparison:

Production (MG) November	2021	2020
Palisades	0.8413	3.1362
3rd St	2.6937	1.4499
8th Street/El Moro	2.7559	5.2895
10th St	3.1967	0.0000
South Bay (lower)	3.8122	3.3688
South Bay (upper)	0.0000	0.5790
Total:	13.2998	13.8234

Runtime (Hours) November	2021	2020
Palisades	41.0	152.5
3rd St	690.0	347.7
8th Street/El Moro	147.2	307.9
10th St	263.1	0.0
South Bay (lower)	631.1	682.0
South Bay (upper)	0.0	343.5
Total:	1772.4	1833.6

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WATER BILLING INFORMATION

Billing Period	FY '20-'21			FY '21-'22		
	Month	Gallons	Revenue	Month	Gallons	Revenue
5/11 to 7/10	Jul	12,119,096	\$217,906.44	Jul	11,795,212	\$213,418.01
6/11 to 8/10	Aug	18,097,860	\$313,290.49	Aug	17,035,700	\$298,796.24
7/11 to 9/10	Sep	13,407,900	\$235,232.34	Sep	12,846,152	\$227,634.65
8/11 to 10/10	Oct	15,497,064	\$277,149.49	Oct	15,479,112	\$277,602.84
9/11 to 11/10	Nov	12,240,272	\$219,526.66	Nov	10,715,100	\$199,353.50
10/11 to 12/10	Dec	15,013,108	\$270,072.58	Dec		
11/11 to 1/10	Jan	10,555,776	\$196,582.18	Jan		
12/11 to 2/10	Feb	13,054,096	\$243,860.92	Feb		
1/11 to 3/10	Mar	10,246,104	\$192,968.25	Mar		
2/11 to 4/10	Apr	14,298,768	\$261,154.06	Apr		
3/11 to 5/10	May	11,807,180	\$213,599.19	May		
4/11 to 6/10	Jun	14,948,780	\$271,387.08	Jun		

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

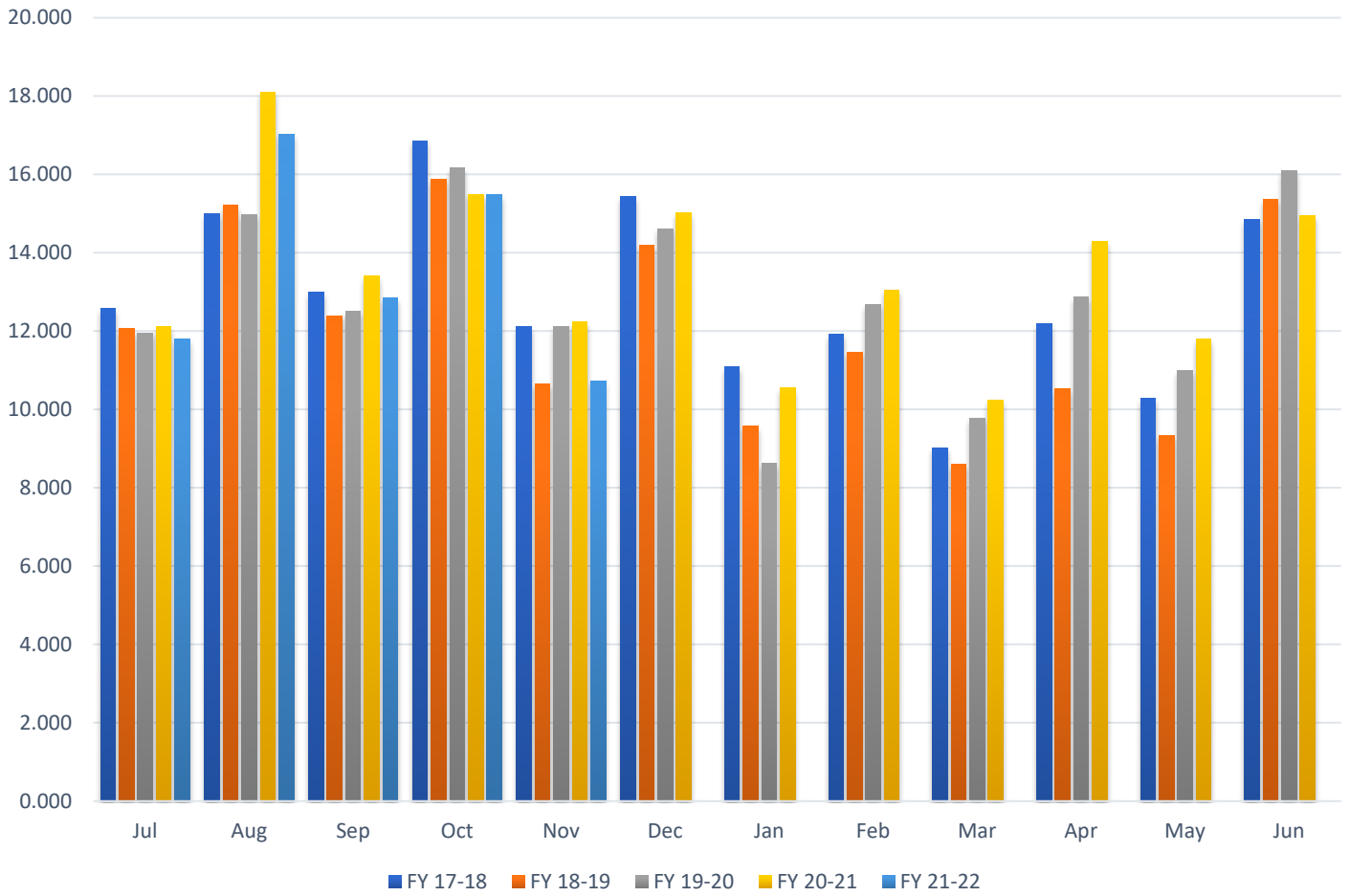
The County has a link to rain and reservoir information: <http://wr.slocountywater.org/home.php> below is a table of historical rainfall totals from the Los Osos Landfill rain monitor. This has been arranged to coincide with our Water Shortage Contingency Plan Climate Trigger which is based on rainfall 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
2021-2022	0.00	0.04	0.00	0.00	0.00	0.00	2.64	0.00					2.68
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

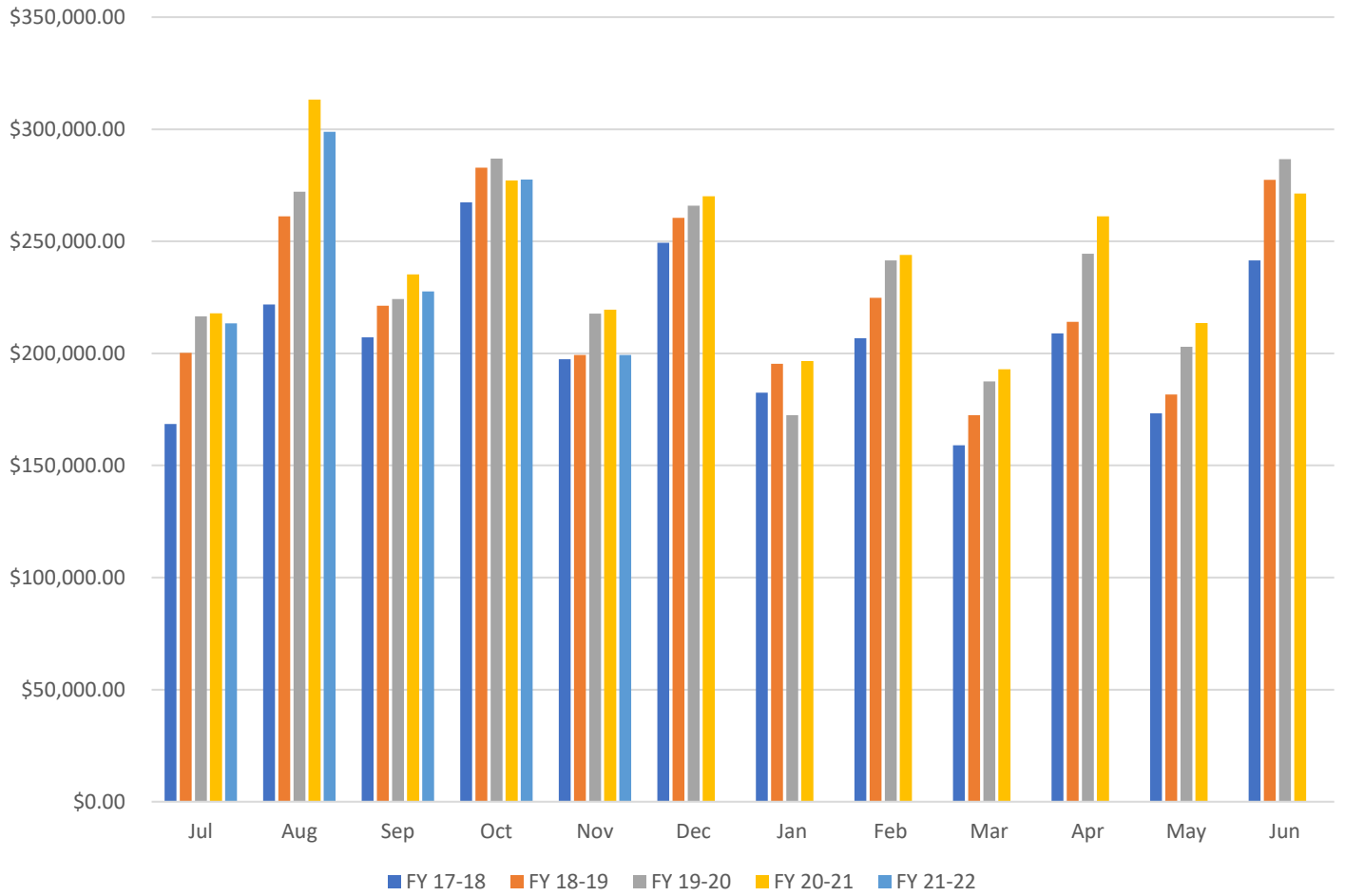
RECOMMENDATION

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.

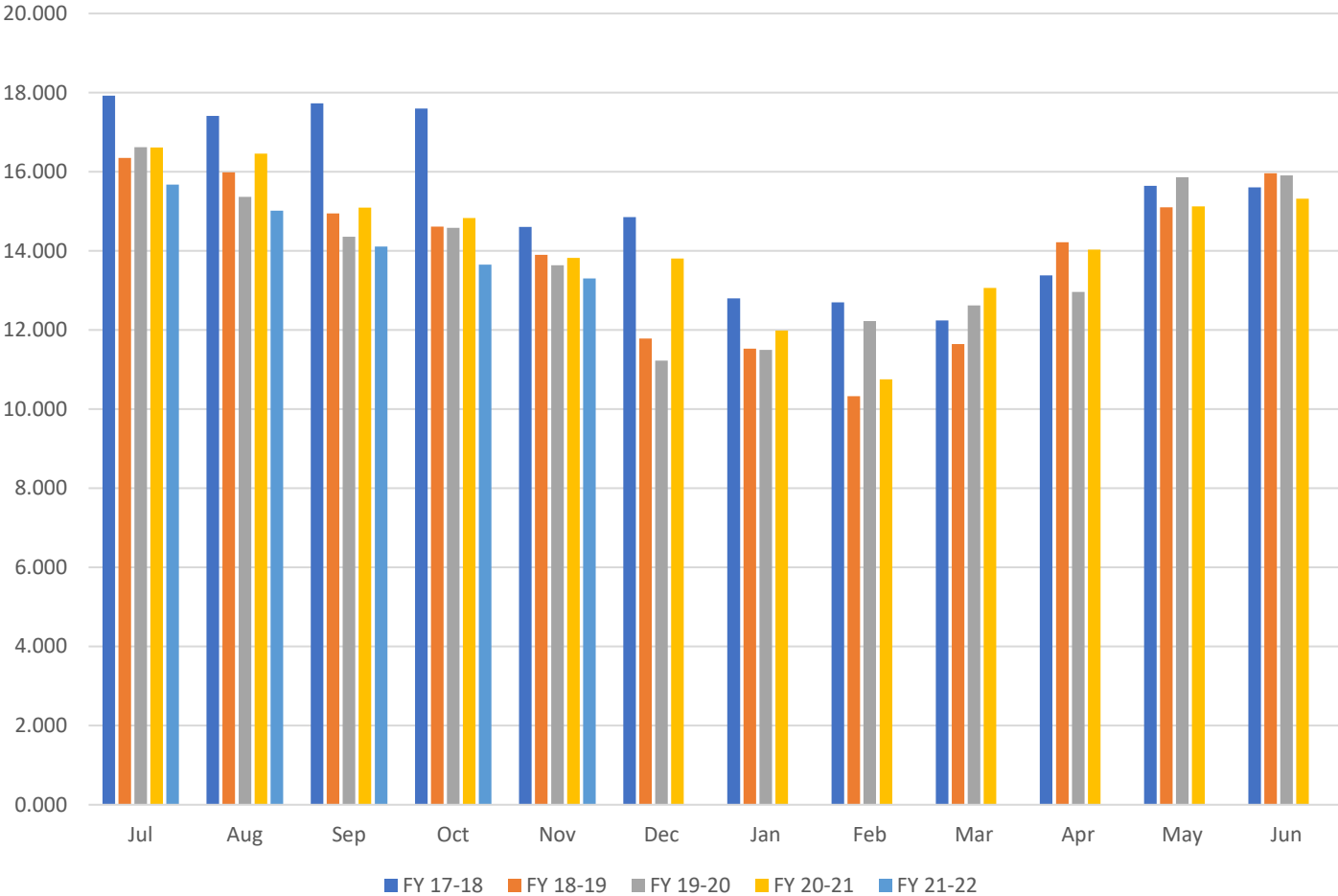
Water Consumption in Million Gallons



Water Revenue



Water Production in Million Gallons



LOCSO Well Soundings

8th & El Moro Well 2

Static					Pumping								
Oper.	Date	Time	Off Hrs.	Level	Date	Time	Run Hrs.	Level	GPM	PSI	Drawdown	Spec. Cap.	Comments
RF	05/18/21	9:32	7	27.2	05/18/21	2:30	4	147.4	304	95	120.20	2.53	SFSG
CR	06/14/21	8:18	4	33.6	06/14/21	12:35	4	147.9	305	97	114.30	2.67	OK
FA	07/16/21	8:00	4	28.6	07/15/21	12:35	4	149.8	302	92	121.20	2.49	OK
EG	08/16/21	9:17	9+	27.4	NA						-27.40	0.00	WELL NOT PUMPING
RF	09/14/21	3:30	4	31.6	09/15/21	1:50	4	148.5	310	95	116.90	2.65	WELL BACK IN SERVICE
CR	10/14/21	8:00	4	29.8	10/15/21	12:35	4	147.1	302	96	117.30	2.57	OK

3rd Street Well Runs 24 hr/day

Static					Pumping								
Oper.	Date	Time	Off Hrs.	Level	Date	Time	Run Hrs.	Level	GPM	PSI	Drawdown	Spec. Cap.	Comments
RF	05/18/21	1:00	4	7.15	05/18/21	8:50	15.9	49.2	68	82	42.05	1.62	SFSG
CR	06/14/21	9:20	24	4.9	06/14/21	WELL	OUT	OF	SERVICE		#VALUE!	#VALUE!	WELL OUT OF SERVICE
FA	07/15/21	13:40	4	6.3	07/15/21	9:35	24	46.6	80	82	40.30	1.99	OK
EG	08/16/21	13:27	4.1	6.3	08/16/21	8:13	11.9	46.3	80	82	40.00	2.00	NEW SOUNDER IS GREAT
RF	09/14/21	12:30	4	6.9	09/14/21	8:20	24	45.5	69	82	38.60	1.79	OK
CR	10/14/21	14:55	4	7.2	10/14/21	9:00	24	46.6	70	77	39.40	1.78	OK

Palisades Well Normally runs 2 hr/day; Has to run 4 hrs to get dynamic sounding

Static					Pumping								
Oper.	Date	Time	Off Hrs.	Level	Date	Time	Run Hrs.	Level	GPM	PSI	Drawdown	Spec. Cap.	Comments
RF	05/19/21	12:50	4.2	93.7	05/18/21	12:50	4.15	184.6	260	50	90.90	2.86	SFSG
CR	06/14/21	8:30	4	93.6	06/14/21	15:00	4	186.5	254	49	92.90	2.73	OK
FA	07/15/21	9:25	4	93.6	07/16/21	12:30	4.5	189.8	250	42	96.20	2.60	OK
EG	08/16/21	8:45	8+	93.2	08/17/21	12:55	4.4	186.2	271	48	93.00	2.91	GPM'S LITTLE HIGHER
RF	09/14/21	8:30	5	90	09/14/21	12:45	4	185.2	270	42	95.20	2.84	OK
CR	10/14/21	9:15	4	90.3	10/15/21	12:50	4	185	230	48	94.70	2.43	OK

10th Street Well 1

Static					Pumping								
Oper.	Date	Time	Off Hrs.	Level	Date	Time	Run Hrs.	Level	GPM	PSI	Drawdown	Spec. Cap.	Comments
RF	05/18/21	1:15	4	152.7	05/18/21	9:15	7.1	221.4	205	28	68.70	2.98	THROTTLE DOWN BUTTERFLY VALVE TO AVERAGE 200 GPN
CR	06/14/21	13:15	4	155.9	06/14/21	8:12	14	224.9	199.8	23	69.00	2.90	OK
FA	07/16/21	8:20	4	159.8	07/15/21	9:05	13.3	223	190	28	63.20	3.01	OK
EG	08/16/21	13:40	4.4	154.3	08/16/21	8:26	13.8	220.6	204	25	66.30	3.08	WITHIN NORMAL LEVELS
RF	09/14/21	1:00	4	152.7	09/14/21	8:55	6.2	215.4	195	32	62.70	3.11	OK
CR	10/14/21	9:55	4	148.3	10/15/21	15:05	4	209.4	206	24	61.10	3.37	OK

LOCSO Well Soundings

South Bay Lower Aquifer Well *Runs 24 hr/day*

Oper.	Static				Pumping							Spec. Cap.	Comments
	Date	Time	Off Hrs.	Level	Date	Time	Run Hrs.	Level	GPM	PSI	Drawdown		
RF	05/18/21	12:35	4.5	121.6	05/18/21	8:00	7.9	253.4	108	44	131.80	0.82	SFSG
CR	06/14/21	13:45	4	125.3	06/14/21	8:44	24	264.9	99.2	42	139.60	0.71	OK
FA	07/15/21	14:00	4	124.2	07/15/21	8:45	8.6	266	107	45	141.80	0.75	OK
EG	08/16/21	14:05	5	123.5	08/16/21	9:05	9.1	263.7	109	44	140.20	0.78	SOUNDING LEVELS WITHIN NORMAL
RF	09/14/21	1:45	4	122.4	09/14/21	9:38	9.6	264.7	107	46	142.30	0.75	SFSG
CR	10/14/21	14:00	4	122.7	10/14/21	8:45	24	281.3	112	57	158.60	0.71	OK

South Bay Upper Aquifer Well

Oper.	Static				Pumping							Spec. Cap.	Comments
	Date	Time	Off Hrs.	Level	Date	Time	Run Hrs.	Level	GPM	PSI	Drawdown		
RF	05/18/21	12:30	4.5	94.9	05/18/21	7:57	8	119.8	29	43	24.90	1.16	SFSG
CR	06/14/21	14:00	4	97	06/14/21	10:00	4	123.3	33	38	26.30	1.25	OK
FA	07/15/21	9:00	24	98.3	07/26/21	12:45	4.2	122.2	31	43	23.90	1.30	OK
EG	08/17/21	11:25	20	97.6	08/16/21	9:05	6	117.9	27	41	20.30	1.33	RWS
RF	09/14/21	9:42	19	97.1	09/14/21	2:30	4	118.4	28	46	21.30	1.31	OK
CR	10/14/21	8:50	4	92.4		WELL	OUT	OF	SERVICE		#VALUE!	#VALUE!	OK