



July 23, 2018

TO: LOCSO Board of Directors

FROM: Jose Acosta, Utility Systems Manager
 Frank Asuncion, Water Resource Crew Leader
 Liz Radvansky, Utility Billing Specialist

SUBJECT: **Agenda Item 4C – 8/2/2018 Board Meeting**
 Utilities Department Report for **June 2018**

JA

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WATER PRODUCTION INFORMATION

The total production for the month of **June 2018** was approximately **15.6 million gallons (MG)** this equates to an average daily demand of **520,200** gallons. This represents a **decrease** in production from last year by approximately **9.57%**.

Using the state's formula to calculate residential usage per capita per day, for the month of **June 2018** our residential customers used **69.6** gallons per person per day.

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 **June 2018**. Totals for last year are included for comparison:

Production (MG) June	2018	2017	% Change
Palisades	2.70	3.18	-15.1%
3 rd Street/Bayside	0	0	0%
8 th Street/El Moro	5.44	6.01	-9.5%
10 th Street	4.97	5.21	-4.6%
South Bay (lower)	1.80	2.04	-11.8%
South Bay (upper)	0.68	0.82	-17.1%
TOTAL:	15.59	17.26	

Runtime (Hours) June	2018	2017
Palisades	130.1	133.5
3 rd Street/Bayside	1.0	0.4
8 th Street/El Moro	272.3	271.7
10 th Street	279.0	288.7
South Bay (lower)	669.6	714.5
South Bay (upper)	310.1	389.3
TOTAL:	1662.1	1797.7

WATER BILLING INFORMATION

Fifty-seven percent of the service area received bills for approximately **14.84 MG** consumption for the period April 10, 2018, through June 12, 2018. This generated approximately **\$241,491.17** in revenue.

UTILITIES DEPARTMENT OPERATIONS AND MAINTENANCE

During the month of June 2018, 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.
- Gathered all replaced meters and sent them out for recycling.
- Repair and upgrade service lines at 1608 7th Street.
- Performed oil changes on diesel vehicle.
- Fire flow test performed at 17th Street and Paso Robles Ave.
- Cleanup and moving of parts and equipment at current storage yard facility. Prepped area for new construction work on new building.
- Crew initiated review, updating and compilation of Utility Department Standard Operating Procedures.

DRAINAGE WDID # 3 40M2000133

The District continue 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-e293b4b>

- All drainage locations were weed abated prior to inspections. The property at Tierra was completed as well.

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		
2018-2019	0.79	0.00	0.00										0.79		
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		
2015 - 2016	0.67	0.12	0.00	1.93	0.00	0.08	0.08	1.26	1.85	5.04	0.86	4.85	16.74		
2014 - 2015	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.28	5.20	0.08	0.91	0.43	7.61		
2013 - 2014	0.31	0.12	0.04	0.00	0.00	0.00	0.24	0.28	0.12	0.00	4.06	1.42	6.59		
2012 - 2013	2.24	0.00	0.00	0.00	0.00	0.00	1.18	1.69	2.64	1.02	0.67	0.43	9.87		

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.

Attachment

JUNE 2018	8th St./ EI Moro Well	3rd St./ Bayside Well	10th St. Well	South Bay Well	South Bay Upper Well	Palisades Well	All Wells TOTAL	Last Years TOTAL	Percent/ Differential
<i>Total Gallons Produced, Mgal</i>	5.4443	0.0001	4.9724	1.8046	0.6840	2.7000	15.6053	17.2573	-9.57%
<i>Average Daily Flow, Mgal</i>							0.5202		
<i>Total Gallons to Waste (Filter Backwash), Mgal</i>	0.0000			0.0000	0.1750		0.1750	0.0000	
<i>Total Gallons to Waste (System Flushing), Mgal</i>							0.0000	0.0000	
<i>Distribution System Losses (Water Line Breaks), Mgal</i>							0.0000	0.0000	
<i>Total Gallons Adjusted, Mgal</i>	5.4443			1.8046			15.4303	17.2573	-10.59%
<i>Pump Runtime, total hours</i>	272.3	1.0	279.0	669.6	310.1	130.1	1662.1	1798.1	-7.56%
<i>Daily Avg. Runtime, hours/day</i>	9.1	0.0	9.3	22.3	10.3	4.3			
<i>Energy Used, kWatts</i>	10798	39	11458	10046		4752	37093	38653	-4.04%
<i>Eff. Ratio, kWatts/hr</i>	39.65	39.00	41.07	15.00		0.00			
<i>Chlorine Used, total gallons</i>	82.8	0.0	38.3	24.3		17.0	162.4	UK	#VALUE!
<i>Aqua Mag, pounds</i>	45.8		27.0	0.0		20.8	93.6	UK	#VALUE!
<i>Static water level, ft.</i>	31.00	4.50	155.00	115.00	90.70	95.70			
<i>Pump water level, ft.</i>	151.60	0.00	241.60	185.70	115.60	182.70			
<i>Draw-down level, ft.</i>	120.60	0.00	86.60	70.70	24.90	87.00			
<i>Gallons per minute</i>	340	0	313	49	29	0			
<i>Pressure, psi</i>	95	0	37	64	61	0			

Well Log Summaries

LOCSD Water Data

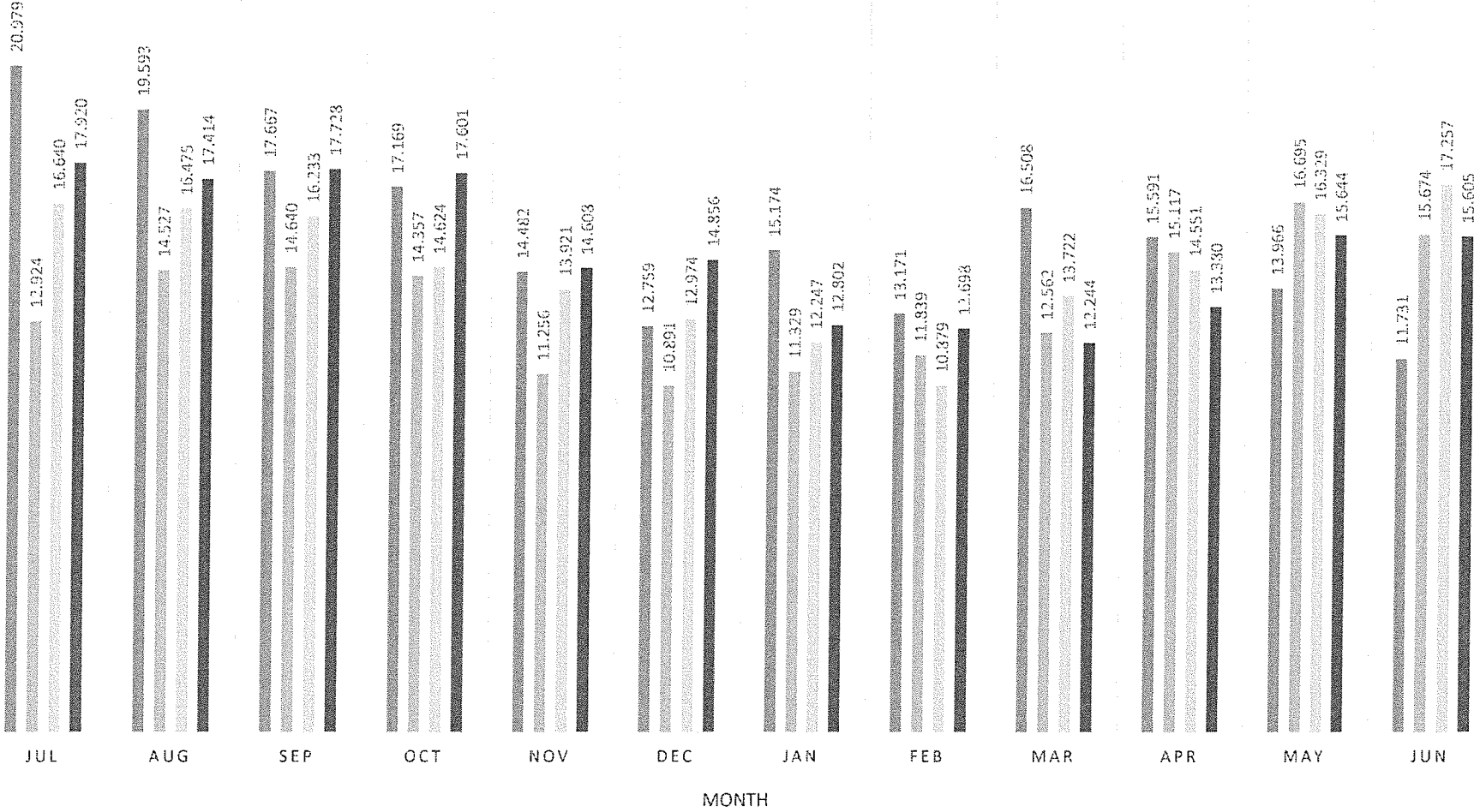
Water Production Data in Million Gallons				
	FY 14-15	FY 15-16	FY 16-17	FY 17-18
Jul	20.979	12.924	16.640	17.920
Aug	19.593	14.527	16.475	17.414
Sep	17.667	14.640	16.233	17.728
Oct	17.169	14.357	14.624	17.601
Nov	14.482	11.256	13.921	14.608
Dec	12.759	10.891	12.974	14.856
Jan	15.174	11.329	12.247	12.802
Feb	13.171	11.839	10.879	12.698
Mar	16.508	12.562	13.722	12.244
Apr	15.591	15.117	14.551	13.380
May	13.966	16.695	16.329	15.644
Jun	11.731	15.674	17.257	15.605
TOTAL	188.790	161.807	175.852	182.500

Consumption is billed for a two month period every month.
 Revenue is based on gallons billed - not cash received.
 Production is recorded daily.

HISTORICAL TO PRESENT LOCS D WELL PRODUCTION DATA

FY2014-2015
 FY2015-2016
 FY2016-2017
 FY2017-2018

MILLION GALLONS (MG)



LOCSD Water Data

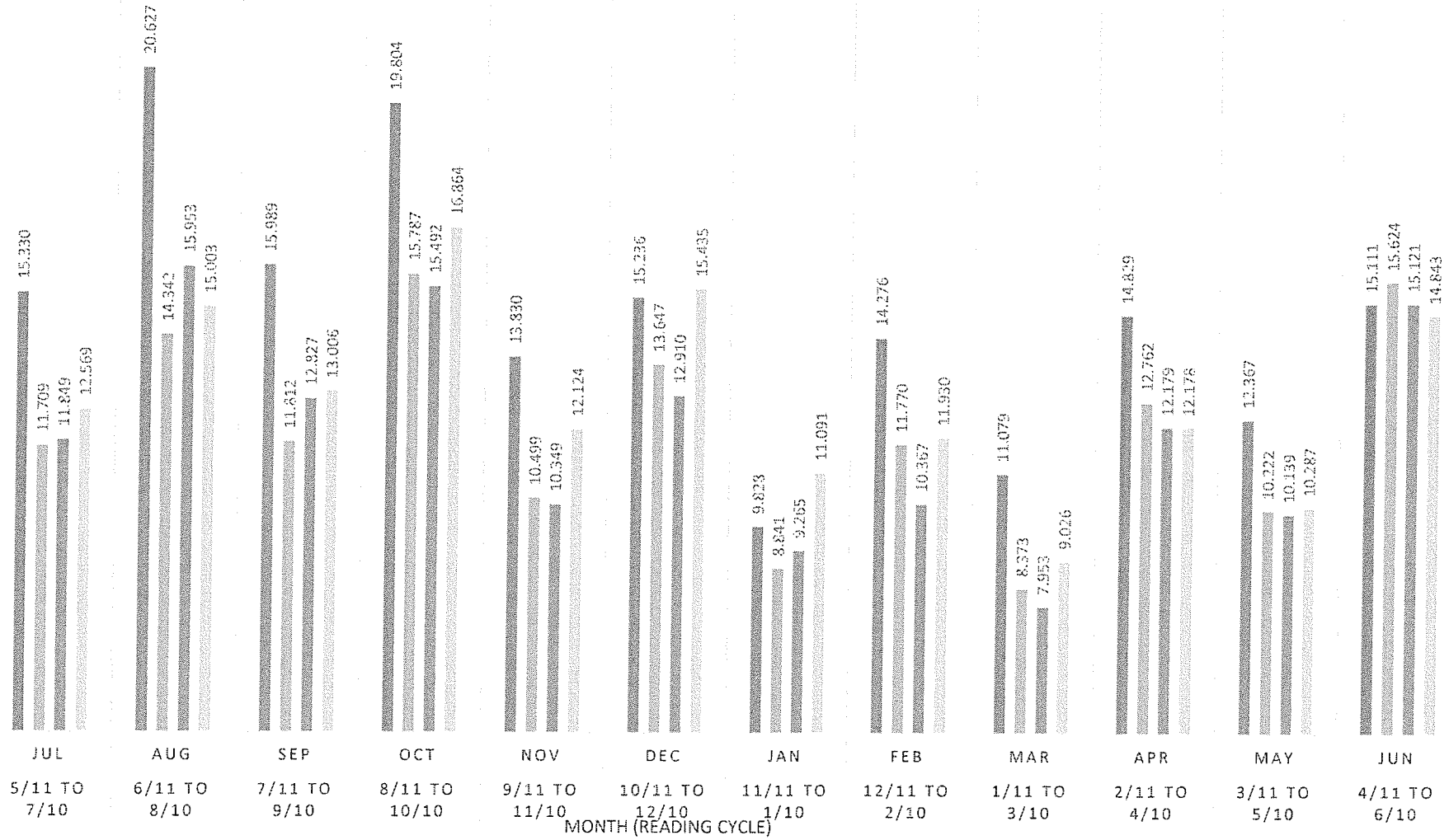
Water Consumption Data in Million Gallons						
% of Service Area	Billing Period		FY 14-15	FY 15-16	FY 16-17	FY 17-18
43	5/11 to 7/10	Jul	15.330	11.709	11.849	12.569
57	6/11 to 8/10	Aug	20.627	14.342	15.953	15.003
43	7/11 to 9/10	Sep	15.989	11.812	12.827	13.006
57	8/11 to 10/10	Oct	19.804	15.787	15.492	16.864
43	9/11 to 11/10	Nov	13.830	10.499	10.349	12.124
57	10/11 to 12/10	Dec	15.236	13.647	12.910	15.435
43	11/11 to 1/10	Jan	9.828	8.841	9.265	11.091
57	12/11 to 2/10	Feb	14.276	11.770	10.367	11.930
43	1/11 to 3/10	Mar	11.079	8.373	7.953	9.026
57	2/11 to 4/10	Apr	14.829	12.762	12.179	12.178
43	3/11 to 5/10	May	12.367	10.222	10.139	10.287
57	4/11 to 6/10	Jun	15.111	15.624	15.121	14.843
TOTAL			178.306	145.388	144.405	154.356

Consumption is billed for a two month period every month.
 Revenue is based on gallons billed - not cash received.
 Production is recorded daily.

HISTORICAL TO PRESENT LOCS D WATER CONSUMPTION BASED ON BILLING

■ FY 14-15 ■ FY 15-16 ■ FY 16-17 ■ FY 17-18

MILLION GALLONS (MG)



LOCSO Water Data

Water Revenue Data						
% of Service Area	Billing Period		FY 14-15	FY 15-16	FY 16-17	FY 17-18
43	5/11 to 7/10	Jul	\$137,752.98	\$119,138.01	\$139,017.75	\$168,526.79
57	6/11 to 8/10	Aug	\$187,468.02	\$154,995.56	\$197,721.40	\$221,879.21
43	7/11 to 9/10	Sep	\$147,808.06	\$135,669.34	\$163,852.81	\$207,172.18
57	8/11 to 10/10	Oct	\$182,463.96	\$178,030.01	\$198,170.30	\$267,370.81
43	9/11 to 11/10	Nov	\$130,772.31	\$123,221.32	\$138,130.97	\$197,358.26
57	10/11 to 12/10	Dec	\$145,977.27	\$158,798.89	\$171,281.05	\$249,409.17
43	11/11 to 1/10	Jan	\$99,970.19	\$108,532.26	\$128,300.48	\$182,543.66
57	12/11 to 2/10	Feb	\$138,344.52	\$142,733.88	\$149,015.80	\$206,709.09
43	1/11 to 3/10	Mar	\$109,092.25	\$106,198.53	\$116,824.26	\$159,040.50
57	2/11 to 4/10	Apr	\$143,355.32	\$151,554.05	\$165,317.00	\$208,966.41
43	3/11 to 5/10	May	\$120,013.25	\$120,748.17	\$135,978.00	\$173,254.24
57	4/11 to 6/10	Jun	\$148,384.13	\$178,943.85	\$193,625.41	\$241,491.17
		TOTAL	\$1,691,402.26	\$1,678,563.87	\$1,897,235.23	\$2,483,721.49

Consumption is billed for a two month period every month.
 Revenue is based on gallons billed - not cash received.
 Production is recorded daily.

U.S. DOLLARS \$

HISTORICAL TO PRESENT LOCSD WATER REVENUE BASED ON BILLING

■ FY 14-15 ■ FY 15-16 ■ FY 16-17 ■ FY 17-18

