



July 25, 2019

**TO:** LOCSD Board of Directors

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

**SUBJECT: Agenda Item 9C – 8/1/2019 Board Meeting**  
 Utilities Department Report for June 2019

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**WATER PRODUCTION INFORMATION**

The total production for the month of **June 2019** was approximately **16.0 million gallons (MG)** this equates to an average daily demand of **532,100** gallons. This represents an **increase** in production from last year by approximately **2.30%**.

Using the state's formula to calculate residential usage per capita per day, for the month of **June 2019** our residential customers used 71.2 gallons per person per day, an increase from 69.6 gallons per person per day in June 2018.

**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 2019**. Totals for last year are included for comparison:

<b>Production (MG) June</b>	<b>2019</b>	<b>2018</b>	<b>% Change</b>
Palisades	4.63	2.70	71.5
3 <sup>rd</sup> Street/Bayside	0	0	0%
8 <sup>th</sup> Street/El Moro	5.67	5.44	4.2%
10 <sup>th</sup> Street	5.65	4.97	13.7%
South Bay (lower)	0.02	1.80	N/A
South Bay (upper)	0.00	0.68	N/A
<b>TOTAL:</b>	<b>15.97</b>	<b>15.59</b>	

<b>Runtime (Hours) May</b>	<b>2019</b>	<b>2018</b>
Palisades	226.8	130.1
3 <sup>rd</sup> Street/Bayside	0.0	0.0
8 <sup>th</sup> Street/El Moro	280.2	272.3
10 <sup>th</sup> Street	333.9	279.0
South Bay (lower)	43.6	669.6
South Bay (upper)	4.4	310.1
<b>TOTAL:</b>	<b>888.9</b>	<b>1661.1</b>

**WATER BILLING INFORMATION**

Fifty-seven percent of the service area received bills for approximately **15.37 MG** consumption for the period April 8, 2019 through June 11, 2019. This generated approximately **\$277,435.92** in revenue.

**UTILITIES DEPARTMENT OPERATIONS AND MAINTENANCE**

During the month of June 2019, 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.
- Continue valve exercising program.
- Grounds keeping at all district facilities.
- Continued residential meter replacement program, 33 changed out.
- Worked on bringing South Bay wells back online.

**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>

- Grounds keeping all sites ensuring adherence with fire inspection and weed abatement program.

**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 1<sup>st</sup> through March 31<sup>st</sup>.

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			
2019-2020	0.08	1.53	0.00										1.61			
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			
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.

Attachments

<b>JUNE 2019</b>	<b>8th St./ EI Moro Well</b>	<b>3rd St./ Bayside Well</b>	<b>10th St. Well</b>	<b>South Bay Well</b>	<b>South Bay Upper Well</b>	<b>Palisades Well</b>	<b>All Wells TOTAL</b>	<b>Last Years TOTAL</b>	<b>Percent% Differential</b>
<i>Total Gallons Produced, Mgal</i>	5.6690	0.0000	5.6479	0.0211	0.0000	4.6255	<b>15.9635</b>	15.6053	2.30%
<i>Average Daily Flow, Mgal</i>							0.5321		
<i>Total Gallons to Waste (Filter Backwash), Mgal</i>	0.0000			0.0000	0.0000		0.0000	0.1750	
<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>	5.6690			0.0211			<b>15.9635</b>	15.4303	3.46%
<i>Pump Runtime, total hours</i>	280.2	0.6	333.9	43.6	4.4	226.8	889.5	1662.1	-46.48%
<i>Daily Avg. Runtime, hours/day</i>	9.3	0.0	11.1	1.5	0.1	7.6			
<i>Energy Used, kWatts</i>	11020	36	13436	503		8142	33137	37093	-10.67%
<i>Eff. Ratio, kWatts/hr</i>	39.33	60.00	40.24	11.54		0.00			
<i>Chlorine Used, total gallons</i>	76.6	0.0	36.5	3.1		33.3	149.5	162.4	-7.95%
<i>Aqua Mag, pounds</i>	30.4		53.6	0.0		30.8	114.8	93.6	22.65%
<i>Static water level, ft.</i>	33.70	3.60	186.90	119.60	90.10	119.60			
<i>Pump water level, ft.</i>	147.10	NA	261.70	NA	NA	188.60			
<i>Draw-down level, ft.</i>	113.40	NA	74.80	NA	NA	69.00			
<i>Gallons per minute</i>	342	NA	315	0	0	335			
<i>Pressure, psi</i>	97	NA	38	0	0	55			

**Well Log Summaries**

## LOCSD Water Data

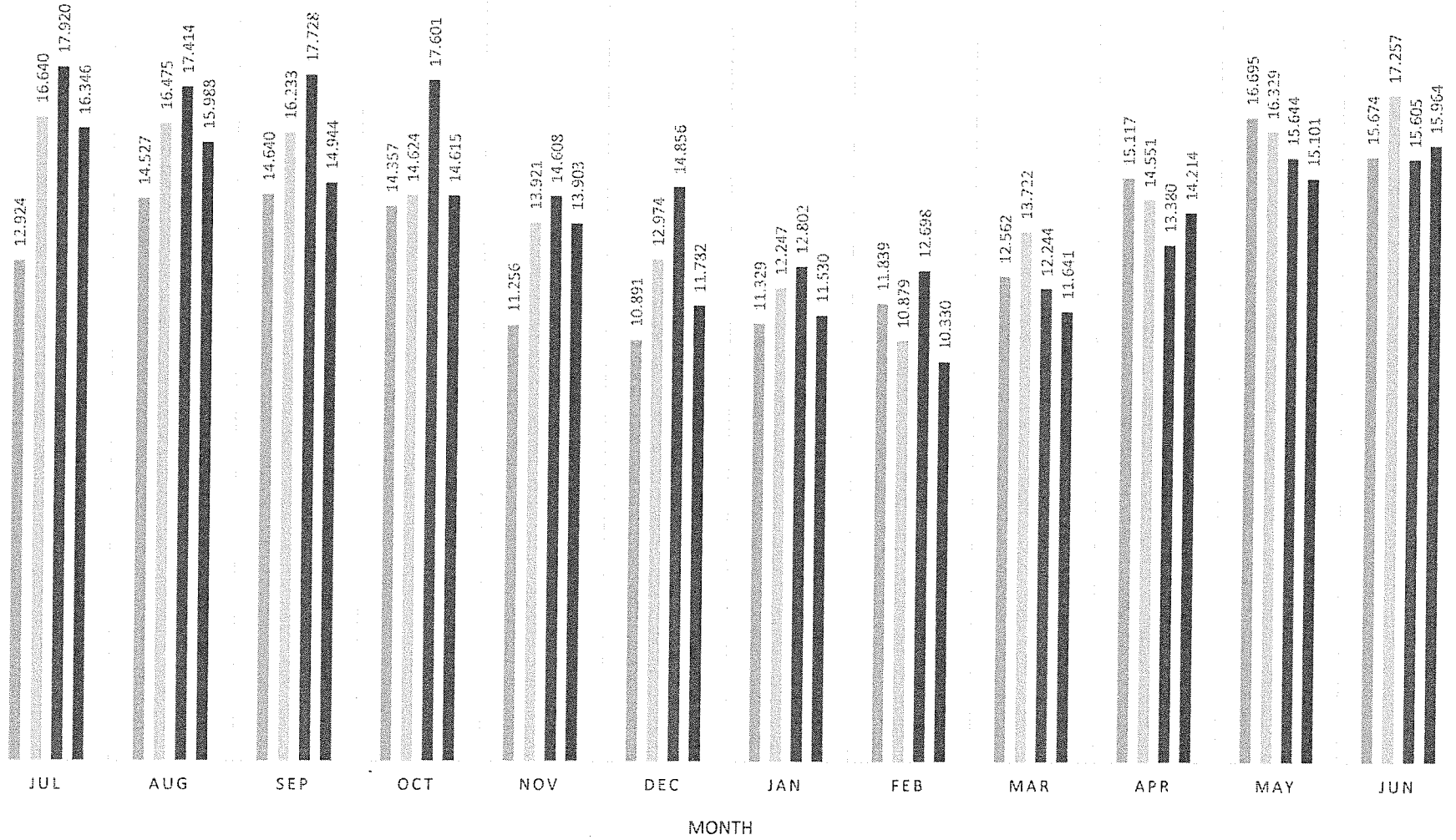
<b>Water Production Data in Million Gallons</b>				
	<b>FY 15-16</b>	<b>FY 16-17</b>	<b>FY 17-18</b>	<b>FY 18-19</b>
Jul	12.924	16.640	17.920	16.346
Aug	14.527	16.475	17.414	15.988
Sep	14.640	16.233	17.728	14.944
Oct	14.357	14.624	17.601	14.615
Nov	11.256	13.921	14.608	13.903
Dec	10.891	12.974	14.856	11.782
Jan	11.329	12.247	12.802	11.530
Feb	11.839	10.879	12.698	10.330
Mar	12.562	13.722	12.244	11.641
Apr	15.117	14.551	13.380	14.214
May	16.695	16.329	15.644	15.101
Jun	15.674	17.257	15.605	15.964
<b>TOTAL</b>	<b>161.807</b>	<b>175.852</b>	<b>182.500</b>	<b>166.357</b>

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 LOCSD WELL PRODUCTION DATA

FY2015-2016
  FY2016-2017
  FY2017-2018
  FY2018-2019

MILLION GALLONS (MG)



## LOCSD Water Data

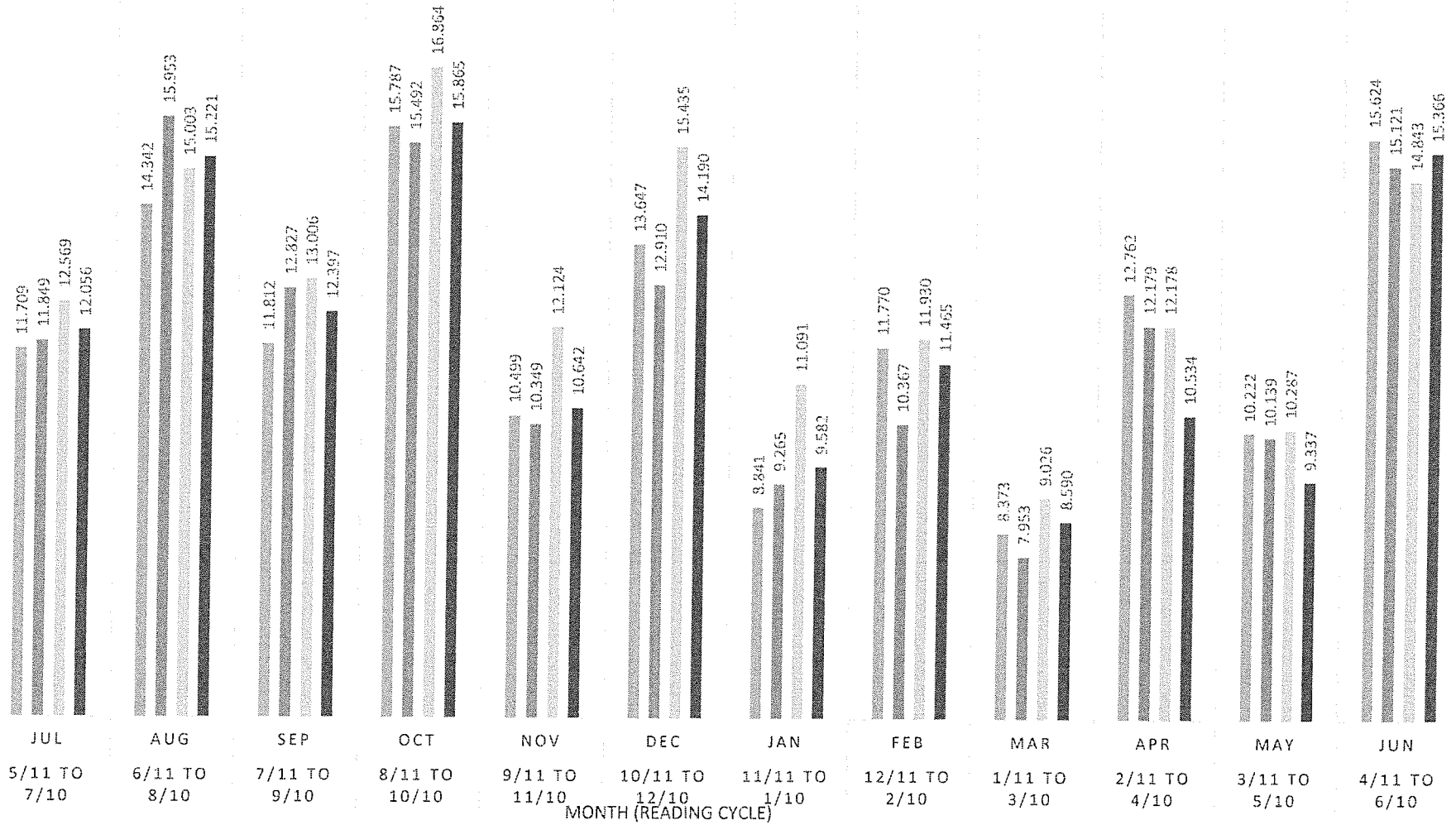
<b>Water Consumption Data in Million Gallons</b>						
<b>% of Service Area</b>	<b>Billing Period</b>		<b>FY 15-16</b>	<b>FY 16-17</b>	<b>FY 17-18</b>	<b>FY 18-19</b>
43	5/11 to 7/10	Jul	11.709	11.849	12.569	12.056
57	6/11 to 8/10	Aug	14.342	15.953	15.003	15.221
43	7/11 to 9/10	Sep	11.812	12.827	13.006	12.397
57	8/11 to 10/10	Oct	15.787	15.492	16.864	15.865
43	9/11 to 11/10	Nov	10.499	10.349	12.124	10.642
57	10/11 to 12/10	Dec	13.647	12.910	15.435	14.190
43	11/11 to 1/10	Jan	8.841	9.265	11.091	9.582
57	12/11 to 2/10	Feb	11.770	10.367	11.930	11.465
43	1/11 to 3/10	Mar	8.373	7.953	9.026	8.590
57	2/11 to 4/10	Apr	12.762	12.179	12.178	10.534
43	3/11 to 5/10	May	10.222	10.139	10.287	9.337
57	4/11 to 6/10	Jun	15.624	15.121	14.843	15.366
<b>TOTAL</b>			<b>145.388</b>	<b>144.405</b>	<b>154.356</b>	<b>145.245</b>

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# HISTORICAL TO PRESENT LOCS D WATER CONSUMPTION BASED ON BILLING

FY 15-16
  FY 16-17
  FY 17-18
  FY 18-19

MILLION GALLONS (MG)



## LOCSD Water Data

<b>Water Revenue Data</b>						
<b>% of Service Area</b>	<b>Billing Period</b>		<b>FY 15-16</b>	<b>FY 16-17</b>	<b>FY 17-18</b>	<b>FY 18-19</b>
43	5/11 to 7/10	Jul	\$119,138.01	\$139,017.75	\$168,526.79	\$200,234.85
57	6/11 to 8/10	Aug	\$154,995.56	\$197,721.40	\$221,879.21	\$261,142.75
43	7/11 to 9/10	Sep	\$135,669.34	\$163,852.81	\$207,172.18	\$221,325.52
57	8/11 to 10/10	Oct	\$178,030.01	\$198,170.30	\$267,370.81	\$282,789.11
43	9/11 to 11/10	Nov	\$123,221.32	\$138,130.97	\$197,358.26	\$199,290.08
57	10/11 to 12/10	Dec	\$158,798.89	\$171,281.05	\$249,409.17	\$260,495.65
43	11/11 to 1/10	Jan	\$108,532.26	\$128,300.48	\$182,543.66	\$195,335.09
57	12/11 to 2/10	Feb	\$142,733.88	\$149,015.80	\$206,709.09	\$224,826.24
43	1/11 to 3/10	Mar	\$106,198.53	\$116,824.26	\$159,040.50	\$172,472.09
57	2/11 to 4/10	Apr	\$151,554.05	\$165,317.00	\$208,966.41	\$214,147.00
43	3/11 to 5/10	May	\$120,748.17	\$135,978.00	\$173,254.24	\$181,625.82
57	4/11 to 6/10	Jun	\$178,943.85	\$193,625.41	\$241,491.17	\$277,435.92
		<b>TOTAL</b>	<b>\$1,678,563.87</b>	<b>\$1,897,235.23</b>	<b>\$2,483,721.49</b>	<b>\$2,691,120.12</b>

Consumption is billed for a two month period every month.  
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U. S. DOLLARS \$

## HISTORICAL TO PRESENT LOCS D WATER REVENUE BASED ON BILLING

