



September 24, 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 9C – 11/1/2018 Board Meeting**  
 Utilities Department Report for **August 2018**

**President**  
 Vicki L. Milledge

**Vice President**  
 Marshall E. Ochylski

**Directors**  
 Charles L. Cesena  
 Louis G. Tornatzky  
 Christine M. Womack

**General Manager**  
 Renee Osborne

**District Accountant**  
 Robert Stilts, CPA

**Unit Chief**  
 Scott M. Jalbert

**Battalion Chief**  
 Greg Alex

**Mailing Address:**  
 P.O. Box 6064  
 Los Osos, CA 93412

**Offices:**  
 2122 9<sup>th</sup> Street, Suite 102  
 Los Osos, CA 93402

**Phone:** 805/528-9370  
**FAX:** 805/528-9377

www.losososcsd.org

**WATER PRODUCTION INFORMATION**

The total production for the month of **August 2018** was approximately **16.0 million gallons (MG)** this equates to an average daily demand of **515,700** gallons. This represents a **decrease** in production from last year by approximately **8.19%**.

Using the state's formula to calculate residential usage per capita per day, for the month of **August 2018** our residential customers used **69.0** gallons per person per day, a decrease from 75.2 gallons per person per day in August 2017.

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

<b>Production (MG) August</b>	<b>2018</b>	<b>2017</b>	<b>% Change</b>
Palisades	3.85	3.66	-5.2%
3 <sup>rd</sup> Street/Bayside	0	0	0%
8 <sup>th</sup> Street/El Moro	4.92	6.83	-28.0%
10 <sup>th</sup> Street	4.57	4.82	-5.2%
South Bay (lower)	2.04	2.10	-2.9%
South Bay (upper)	0.60	0.00	N/A
<b>TOTAL:</b>	<b>15.98</b>	<b>17.41</b>	

<b>Runtime (Hours) August</b>	<b>2018</b>	<b>2017</b>
Palisades	183.9	154.0
3 <sup>rd</sup> Street/Bayside	0.4	0.6
8 <sup>th</sup> Street/El Moro	248.8	317.5
10 <sup>th</sup> Street	259.6	269.7
South Bay (lower)	714.0	736.1
South Bay (upper)	356.9	0.1
<b>TOTAL:</b>	<b>1763.6</b>	<b>1478.0</b>

**WATER BILLING INFORMATION**

Fifty-Seven percent of the service area received bills for approximately **15.22 MG** consumption for the period June 11, 2018, through August 8, 2018. This generated approximately **\$261,142.75** in revenue.

**UTILITIES DEPARTMENT OPERATIONS AND MAINTENANCE**

During the month of August 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.
- Performed reservoir maintenance and grounds keeping at both reservoir sites.
- Service line upgrade at 1643 4<sup>th</sup> Street.
- Repaired bollards at 1725 El Morro.
- Staff attended electrical safety course.
- Chlorine feed pump maintenance at 8<sup>th</sup> Street well.

**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.lososocsd.org/drainage-e293b4b>

- Performed grounds keeping at East Cabrillo Basin and Tierra basin.
- Installed new submersible pump at 16<sup>th</sup> Street & paso Robles drainage site.
- Bayridge drainage control room roof re-shingled.

**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>.

<b>Station Name and Number</b>				<b>Los Osos Landfill # 727</b>											
<b>*** All units are in inches ***</b>															
<b>Water Year</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>Total</b>		
2018-2019	0.79	0.00	0.00										<b>0.79</b>		
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	<b>13.62</b>		
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	<b>26.01</b>		
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	<b>16.74</b>		
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	<b>7.61</b>		
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	<b>6.59</b>		
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	<b>9.87</b>		

**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

<b>August 2018</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>
Total Gallons Produced, Mgal	4.9225	0.0000	4.5732	2.0426	0.5962	3.8532	<b>15.9877</b>	17.4142	-8.19%
Average Daily Flow, Mgal							0.5157	0.5617	
Total Gallons to Waste ( Filter Backwash ), Mgal	0.0000			0.0000	0.1400		0.1400	0.0756	
Total Gallons to Waste ( System Flushing ), Mgal							0.0060	0	
Distribution System Losses ( Water Line Breaks ), Mgal							0.0000	0	
Total Gallons Adjusted, Mgal	4.9225			2.0426			<b>15.8417</b>	17.3386	-8.63%
Pump Runtime, total hours	248.8	0.4	259.6	714.0	356.9	183.9	1763.6	1478	19.32%
Daily Avg. Runtime, hours/day	8.0	0.0	8.4	23.0	11.5	5.9			
Energy Used, kWatts	9866	36	10999	11127		6765	38793	36843	5.29%
Eff. Ratio, kWatts/hr	39.65	90.00	42.37	15.58		36.79			
Chlorine Used, total gallons	77.9	0.0	36.5	28.9		29.8	173.1	175.5	-1.36%
Aqua Mag, pounds	62.2		13.0	0.0		23.0	98.2	146	-32.74%
Static water level, ft.	35.30	4.20	159.80	123.40	92.80	99.30			
Pump water level, ft.	150.10	OUT OF SERV	265.30	185.70	117.80	188.80			
Draw-down level, ft.	114.80	OUT OF SERV	105.50	62.30	25.00	89.50			
Gallons per minute	338	0	320	32	32	324			
Pressure, psi	95	0	38	62	63	60			

## LOCSO Water Data

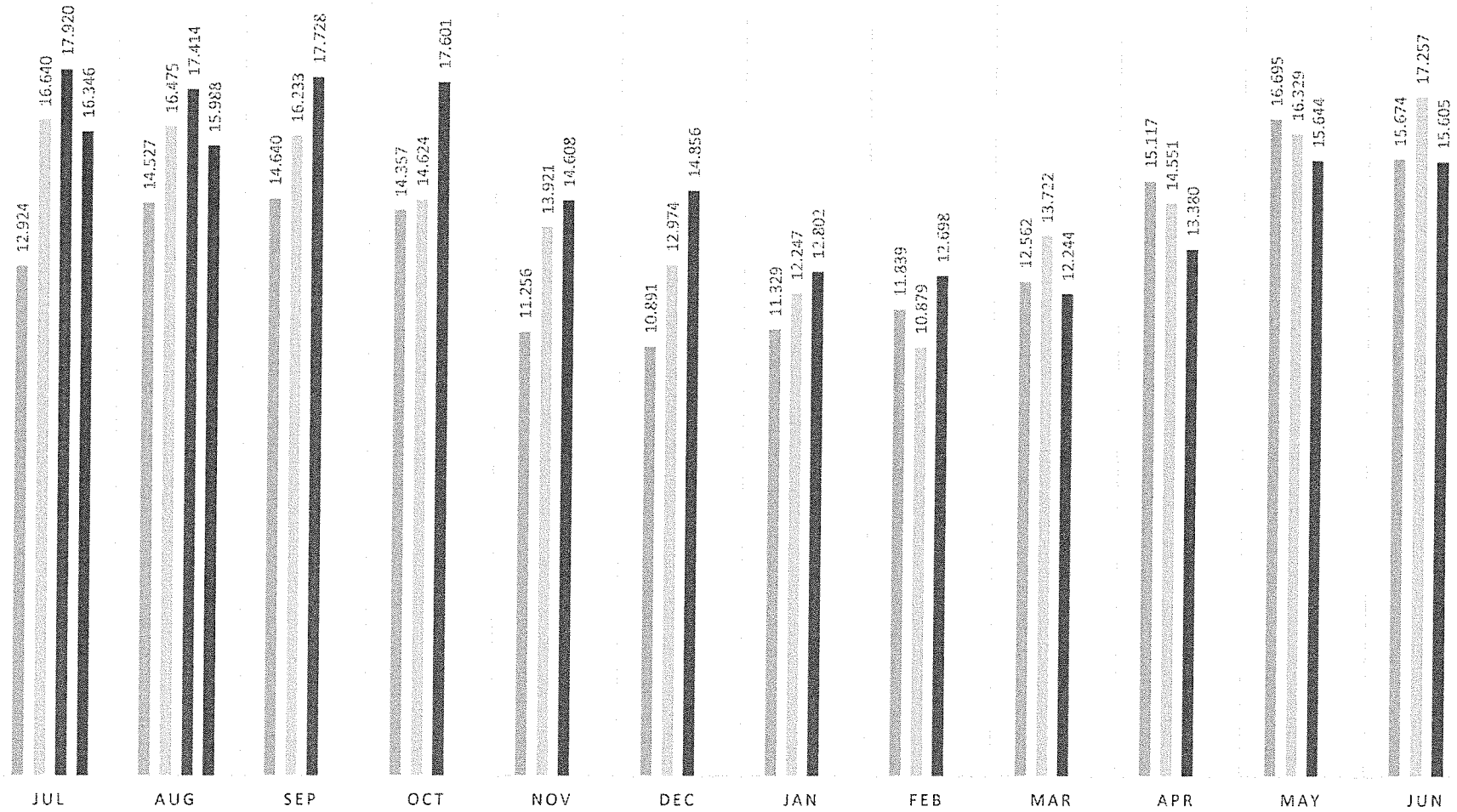
<b>Water Production Data in Million Gallons</b>				
	<b>FY 15-16</b>	<b>FY 16-17</b>	<b>FY 17-18</b>	<b>FY 18-19</b>
Jul	12.924	16.640	17.920	16.346
Aug	14.527	16.475	17.414	15.988
Sep	14.640	16.233	17.728	
Oct	14.357	14.624	17.601	
Nov	11.256	13.921	14.608	
Dec	10.891	12.974	14.856	
Jan	11.329	12.247	12.802	
Feb	11.839	10.879	12.698	
Mar	12.562	13.722	12.244	
Apr	15.117	14.551	13.380	
May	16.695	16.329	15.644	
Jun	15.674	17.257	15.605	
<b>TOTAL</b>	<b>161.807</b>	<b>175.852</b>	<b>182.500</b>	<b>32.334</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 LOCS D WELL PRODUCTION DATA

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

MILLION GALLONS (MG)



MONTH

## LOCSD Water Data

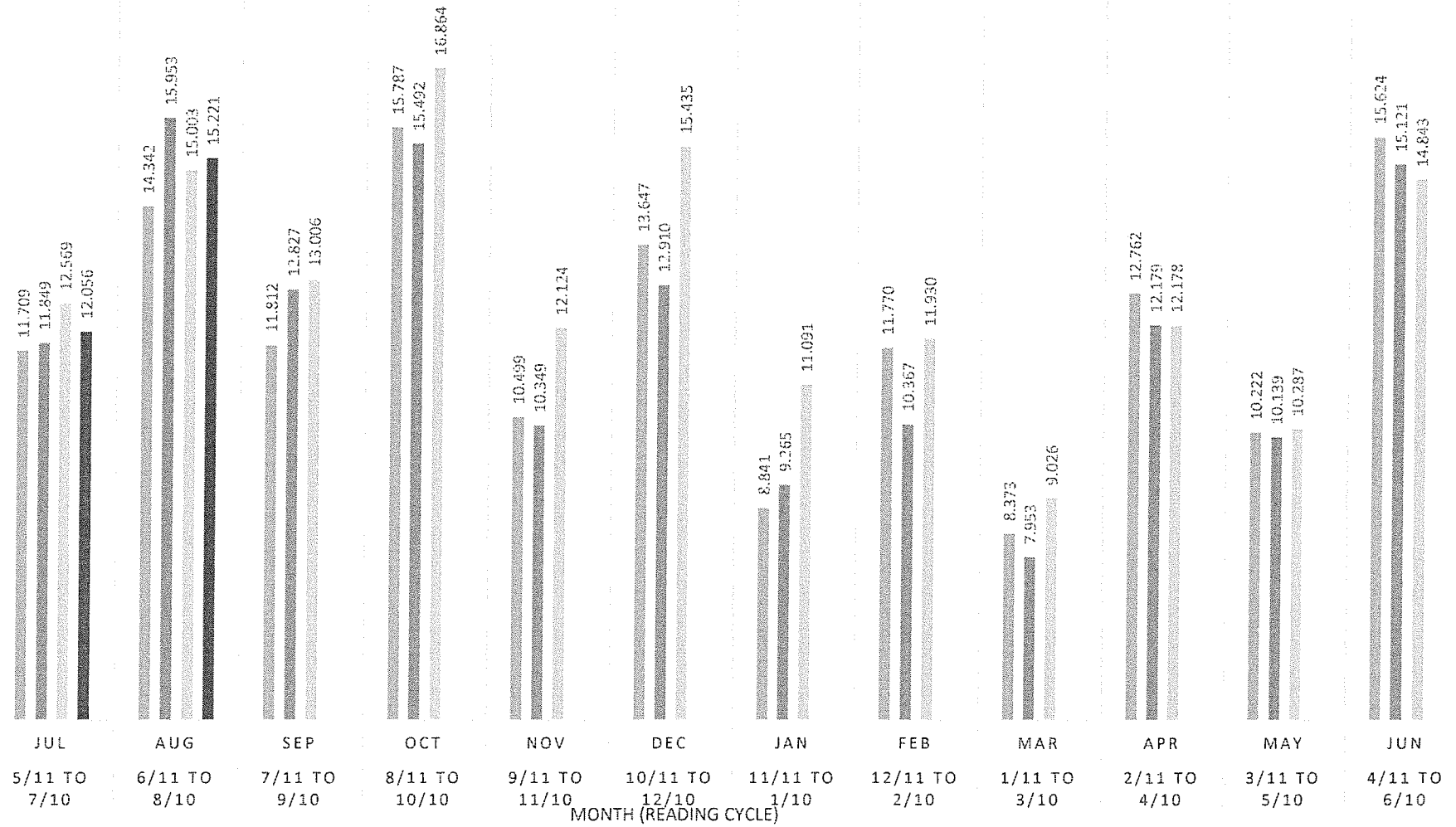
<b>Water Consumption Data in Million Gallons</b>						
<b>% of Service Area</b>	<b>Billing Period</b>		<b>FY 15-16</b>	<b>FY 16-17</b>	<b>FY 17-18</b>	<b>FY 18-19</b>
43	5/11 to 7/10	Jul	11.709	11.849	12.569	12.056
57	6/11 to 8/10	Aug	14.342	15.953	15.003	15.221
43	7/11 to 9/10	Sep	11.812	12.827	13.006	
57	8/11 to 10/10	Oct	15.787	15.492	16.864	
43	9/11 to 11/10	Nov	10.499	10.349	12.124	
57	10/11 to 12/10	Dec	13.647	12.910	15.435	
43	11/11 to 1/10	Jan	8.841	9.265	11.091	
57	12/11 to 2/10	Feb	11.770	10.367	11.930	
43	1/11 to 3/10	Mar	8.373	7.953	9.026	
57	2/11 to 4/10	Apr	12.762	12.179	12.178	
43	3/11 to 5/10	May	10.222	10.139	10.287	
57	4/11 to 6/10	Jun	15.624	15.121	14.843	
		<b>TOTAL</b>	<b>145.388</b>	<b>144.405</b>	<b>154.356</b>	<b>27.277</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 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	
57	8/11 to 10/10	Oct	\$178,030.01	\$198,170.30	\$267,370.81	
43	9/11 to 11/10	Nov	\$123,221.32	\$138,130.97	\$197,358.26	
57	10/11 to 12/10	Dec	\$158,798.89	\$171,281.05	\$249,409.17	
43	11/11 to 1/10	Jan	\$108,532.26	\$128,300.48	\$182,543.66	
57	12/11 to 2/10	Feb	\$142,733.88	\$149,015.80	\$206,709.09	
43	1/11 to 3/10	Mar	\$106,198.53	\$116,824.26	\$159,040.50	
57	2/11 to 4/10	Apr	\$151,554.05	\$165,317.00	\$208,966.41	
43	3/11 to 5/10	May	\$120,748.17	\$135,978.00	\$173,254.24	
57	4/11 to 6/10	Jun	\$178,943.85	\$193,625.41	\$241,491.17	
		<b>TOTAL</b>	<b>\$1,678,563.87</b>	<b>\$1,897,235.23</b>	<b>\$2,483,721.49</b>	<b>\$461,377.60</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 WATER REVENUE BASED ON BILLING

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

U. S. DOLLARS \$

