



September 25, 2017

**TO:** LOCSO Board of Directors

**FROM:** Jose Acosta, Utilities Manager  
 Frank Asuncion, Utilities Crew Leader  
 Liz Radvansky, Administrative/Accounting Assistant III

**SUBJECT:** **Agenda Item 9C – 10/12/2017 Board Meeting**  
 Utilities Department Report for **August 2017**

**President**  
 Jon-Erik G. Storm

**Vice President**  
 Vicki L. Milledge

**Directors**  
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 Louis G. Tornatzky

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**WATER PRODUCTION INFORMATION**

The total production for the month of **August 2017** was approximately **17.4 million gallons (MG)** this equates to an average daily demand of 571,600 gallons. This represents an **increase** in production from last year by approximately **5.70%**.

Using the state's formula to calculate residential usage per capita per day, for the month of **August 2017** our residential customers used **75.2** 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 **August 2017**. Totals for last year are included for comparison:

<b>Production (MG) July</b>	<b>2017</b>	<b>2016</b>	<b>% Change</b>
Palisades	3.66	4.43	-17.4%
3 <sup>rd</sup> Street/Bayside	0	0	0%
8 <sup>th</sup> Street/El Moro	6.83	4.79	42.6%
10 <sup>th</sup> Street	4.81	4.24	13.4%
South Bay (lower)	2.10	2.01	4.5%
South Bay (upper)	0.0010	0.9870	1.4%
<b>TOTAL:</b>	<b>17.4142</b>	<b>16.4746</b>	

<b>Runtime (Hours) July</b>	<b>2017</b>	<b>2016</b>
Palisades	154.0	214.1
3 <sup>rd</sup> Street/Bayside	0.6	0
8 <sup>th</sup> Street/El Moro	317.5	268.2
10 <sup>th</sup> Street	269.7	235.9
South Bay (lower)	736.1	723.2
South Bay (upper)	0.1	437.4
<b>TOTAL:</b>	<b>1478.0</b>	<b>1878.8</b>

**WATER BILLING INFORMATION**

Fifty-seven percent of the service area received bills for approximately **15.00 MG** consumption for the period June 12, 2017, through August 8, 2017. This generated approximately **\$221,879.21** in revenue.

## UTILITIES DEPARTMENT OPERATIONS AND MAINTENANCE

During the month of August 2017, the Utilities crew performed all required operations maintenance tasks. The various tasks and facilities maintained are:

- Drainage and basin grounds keeping and maintenance
- Drainage systems annual, pre rain inspections and maintenance
- Assisting with the exploratory drilling for Phase 2 of 8<sup>th</sup> St well
- Distribution system valve and hydrant maintenance
- Semi- annual on-line water quality analyzer maintenance
- Service line and water meter upgrade
- Emergency distribution repairs
- Vehicle maintenance
- Other pertinent routine activities and duties

### 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>											
*** All units are in inches ***															
<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>		
2017 - 2018	0.55	0.27	0.00										<b>0.82</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>		

### DRAINAGE WDID # 3 40M2000133

The District complies with the General National Pollutant Discharge Elimination System (NPDES) Permit for storm water discharges for small Municipal Separate Storm Sewer Systems (MS4). Whether it is raining or dry, trash, pesticides, animal excrement, and other pollutants make their way to drainage systems then eventually out to the bay. Storm water pollution prevention measures are available on the District's Drainage web page: <http://www.losososcsd.org/drainage-e293b4b>

## **BAYRIDGE ESTATES and VISTA DE ORO COLLECTIONS**

There are 9 remaining septic tanks to be decommissioned at Bayridge estates. A notice of termination will be filed with the state on the referenced waste discharge order once the County of San Luis Obispo accepts the transfer documents. We have completed the required jetting of the systems to allow the County to finalize the transfer process.

**Until these documents are finalized our crew continues to monitor and respond to collection systems issues and emergencies.**

### **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>August 2017</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	6.8322	0.0000	4.8176	2.1025	0.0010	3.6609	17.4142	16.4746	5.70%
Average Daily Flow, Mgal							0.5617		
Total Gallons to Waste (Filter Backwash), Mgal	0.0756			0.0000	0.0000		0.0756	0	
Total Gallons to Waste (System Flushing), Mgal							0.0000	0	
Distribution System Losses (Water Line Breaks), Mgal							0.0000	0	
Total Gallons Adjusted, Mgal	6.7566			2.1025			17.3386	16.4746	5.24%
Pump Runtime, total hours	317.5	0.6	269.7	736.1	0.1	154.0	1478.0	1878.8	-21.33%
Daily Avg. Runtime, hours/day	10.2	0.0	8.7	23.7	0.0	5.0			
Energy Used, kWatts	12665	37	8705	9040		6396	36843	39509	-6.75%
Eff. Ratio, kWatts/hr	39.89	61.67	32.28	12.28		41.53			
Chlorine Used, total gallons	89.0	0.0	0.0	22.9		0.0	111.9	176.1	-36.44%
Aqua Mag, pounds	90.4		1.0	0.0		1.0	92.4	76	21.58%
Static water level, ft.	36.90	3.90	161.10	127.60	91.10	98.40			
Pump water level, ft.	156.00	OUT OF SERV	244.60	187.30	0.00	206.50			
Draw-down level, ft.	119.10	OUT OF SERV	83.50	59.70	-91.10	108.10			
Gallons per minute	359	0	285	34	0	391			
Pressure, psi	95	0	35	61	0	55			

### LOCSD Water Data

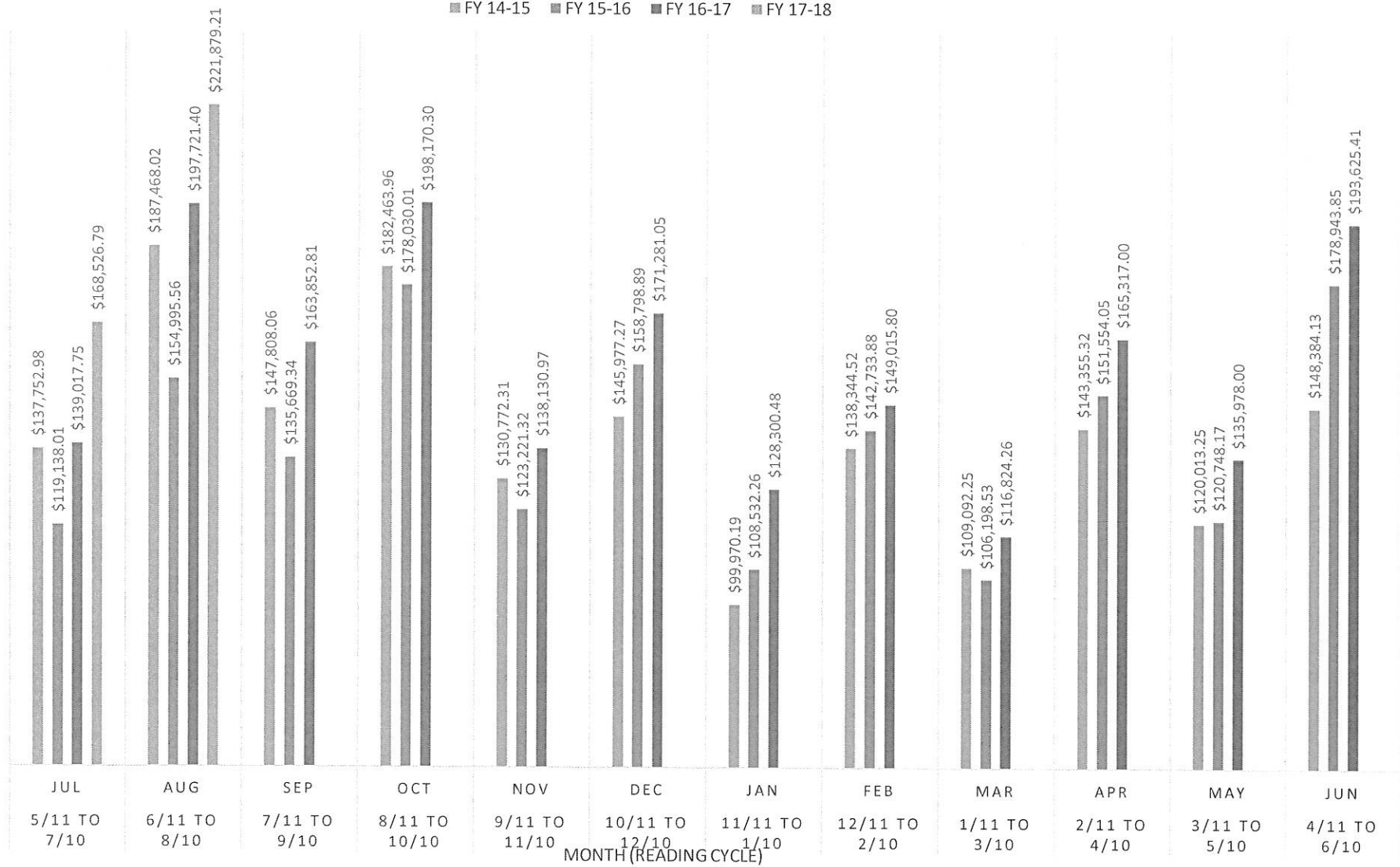
Water Revenue Data							
% of Service Area	Billing Period		FY 13-14	FY 14-15	FY 15-16	FY 16-17	FY 17-18
43	5/11 to 7/10	Jul	\$150,401.90	\$137,752.98	\$119,138.01	\$139,017.75	\$168,526.79
57	6/11 to 8/10	Aug	\$147,246.54	\$187,468.02	\$154,995.56	\$197,721.40	\$221,879.21
43	7/11 to 9/10	Sep	\$145,135.28	\$147,808.06	\$135,669.34	\$163,852.81	
57	8/11 to 10/10	Oct	\$187,431.78	\$182,463.96	\$178,030.01	\$198,170.30	
43	9/11 to 11/10	Nov	\$143,029.03	\$130,772.31	\$123,221.32	\$138,130.97	
57	10/11 to 12/10	Dec	\$206,187.91	\$145,977.27	\$158,798.89	\$171,281.05	
43	11/11 to 1/10	Jan	\$120,500.40	\$99,970.19	\$108,532.26	\$128,300.48	
57	12/11 to 2/10	Feb	\$137,045.65	\$138,344.52	\$142,733.88	\$149,015.80	
43	1/11 to 3/10	Mar	\$111,475.31	\$109,092.25	\$106,198.53	\$116,824.26	
57	2/11 to 4/10	Apr	\$121,943.68	\$143,355.32	\$151,554.05	\$165,317.00	
43	3/11 to 5/10	May	\$128,784.61	\$120,013.25	\$120,748.17	\$135,978.00	
57	4/11 to 6/10	Jun	\$187,230.13	\$148,384.13	\$178,943.85	\$193,625.41	
		<b>TOTAL</b>	<b>\$1,786,412.22</b>	<b>\$1,691,402.26</b>	<b>\$1,678,563.87</b>	<b>\$1,897,235.23</b>	<b>\$390,406.00</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 REVENUE BASED ON BILLING

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

U. S. DOLLARS \$



**LOCSD Water Data**

<b>Water Consumption Data in Million Gallons</b>							
<b>% of Service Area</b>	<b>Billing Period</b>		<b>FY 13-14</b>	<b>FY 14-15</b>	<b>FY 15-16</b>	<b>FY 16-17</b>	<b>FY 17-18</b>
43	5/11 to 7/10	Jul	18.402	15.330	11.709	11.849	12.569
57	6/11 to 8/10	Aug	24.061	20.627	14.342	15.953	15.003
43	7/11 to 9/10	Sep	16.087	15.989	11.812	12.827	
57	8/11 to 10/10	Oct	22.142	19.804	15.787	15.492	
43	9/11 to 11/10	Nov	15.994	13.830	10.499	10.349	
57	10/11 to 12/10	Dec	23.342	15.236	13.647	12.910	
43	11/11 to 1/10	Jan	13.105	9.828	8.841	9.265	
57	12/11 to 2/10	Feb	15.969	14.276	11.770	10.367	
43	1/11 to 3/10	Mar	11.886	11.079	8.373	7.953	
57	2/11 to 4/10	Apr	15.559	14.829	12.762	12.179	
43	3/11 to 5/10	May	14.131	12.367	10.222	10.139	
57	4/11 to 6/10	Jun	20.852	15.111	15.624	15.121	
		<b>TOTAL</b>	<b>211.530</b>	<b>178.306</b>	<b>145.388</b>	<b>144.405</b>	<b>27.572</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 14-15 ■ FY 15-16 ■ FY 16-17 ■ FY 17-18

MILLION GALLONS (MG)

