



March 26, 2018

**TO:** LOCSO Board of Directors

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

**SUBJECT:** **Agenda Item 9C – 4/5/2018 Board Meeting**  
 Utilities Department Report for **February 2018**

**President**  
 Vicki L. Milledge

**Vice President**  
 Marshall E. Ochylski

**Directors**  
 Charles L. Cesena  
 Louis G. Tornatzky  
 Vacant

**General Manager**  
 Renee Osborne

**District Accountant**  
 Robert Stilts, CPA

**Unit Chief**  
 Scott M. Jalbert

**Battalion Chief**  
 Greg Alex

**WATER PRODUCTION INFORMATION**

The total production for the month of **February 2018** was approximately **12.7 million gallons (MG)** this equates to an average daily demand of **453,500** gallons. This represents an **increase** in production from last year by approximately **16.72%**.

Using the state's formula to calculate residential usage per capita per day, for the month of **February 2018** our residential customers used **60.7** 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 **February 2018**. Totals for last year are included for comparison:

<b>Production (MG) February</b>	<b>2018</b>	<b>2017</b>	<b>% Change</b>
Palisades	2.37	2.48	35.3%
3 <sup>rd</sup> Street/Bayside	0	0	0%
8 <sup>th</sup> Street/El Moro	4.34	3.51	9.9%
10 <sup>th</sup> Street	3.45	2.35	-20.5%
South Bay (lower)	1.88	1.86	1.5%
South Bay (upper)	0.65	0.68	16.4%
<b>TOTAL:</b>	<b>12.69</b>	<b>10.88</b>	

<b>Runtime (Hours) February</b>	<b>2018</b>	<b>2017</b>
Palisades	113.2	102.0
3 <sup>rd</sup> Street/Bayside	0.5	0
8 <sup>th</sup> Street/El Moro	203.4	155.0
10 <sup>th</sup> Street	189.8	126.7
South Bay (lower)	660.9	651.5
South Bay (upper)	292.6	302.5
<b>TOTAL:</b>	<b>1459.9</b>	<b>1337.7</b>

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**WATER BILLING INFORMATION**

Fifty-seven percent of the service area received bills for approximately **11.09 MG** consumption for the period December 11, 2017, through February 8, 2018. This generated approximately **\$206,709.09** in revenue.

**UTILITIES DEPARTMENT OPERATIONS AND MAINTENANCE**

During the month of February 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.
- Meter change out program.
- Participate in online training for Computerized Maintenance Management System, continue updating database with all District equipment, materials and assets.
- Troubleshoot communications issues with AT&T.
- Valve exercising program
- Service line upgrades at 1183 5<sup>th</sup> St and 1373 8<sup>th</sup> St.
- Water quality, dead-end flushing at 1700 5<sup>th</sup> St and 1800 6<sup>th</sup> St.

**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.losososcsd.org/drainage-e293b4b>.

**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: 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>
2017 - 2018	0.55	0.27	0.00	0.00	0.00	0.16	0.16	0.47	0.12	3.78	0.16		<b>5.67</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.

Attachments

<b>FEBRUARY 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>
<i>Total Gallons Produced, Mgal</i>	4.3406	0.0000	3.4465	1.8845	0.6540	2.3723	<b>12.6979</b>	10.8786	16.72%
<i>Average Daily Flow, Mgal</i>							0.4535		
<i>Total Gallons to Waste (Filter Backwash), Mgal</i>	0.0000			0.0000	0.0000		0.0000	0.0392	
<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>	4.3406			1.8845			<b>12.6979</b>	10.8394	17.15%
<i>Pump Runtime, total hours</i>	203.4	0.5	189.8	660.9	292.6	113.2	1460.4	1337.7	9.17%
<i>Daily Avg. Runtime, hours/day</i>	7.3	0.0	6.8	23.6	10.5	4.0			
<i>Energy Used, kWatts</i>	8131	33	8401	9903		4167	30635	20173	51.86%
<i>Eff. Ratio, kWatts/hr</i>	39.98	0.00	44.26	14.98		36.81			
<i>Chlorine Used, total gallons</i>	50.3	0.0	29.2	23.4		16.8	119.7	110.9	7.92%
<i>Aqua Mag, pounds</i>	31.8		18.6	0.0		25.2	75.6	46.6	62.23%
<i>Static water level, ft.</i>	32.80	4.20	155.00	118.30	92.90	94.20			
<i>Pump water level, ft.</i>	151.90	0.00	245.40	178.80	117.40	185.90			
<i>Draw-down level, ft.</i>	112.00	-4.20	90.40	60.50	24.50	91.70			
<i>Gallons per minute</i>	351	0	290	54	32	310	<b>3rd St. Well out of service</b>		
<i>Pressure, psi</i>	100	0	38	61	63	58			

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	
57	2/11 to 4/10	Apr	14.829	12.762	12.179	
43	3/11 to 5/10	May	12.367	10.222	10.139	
57	4/11 to 6/10	Jun	15.111	15.624	15.121	
		<b>TOTAL</b>	<b>178.306</b>	<b>145.388</b>	<b>144.405</b>	<b>108.022</b>

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

LOCSD Water Data

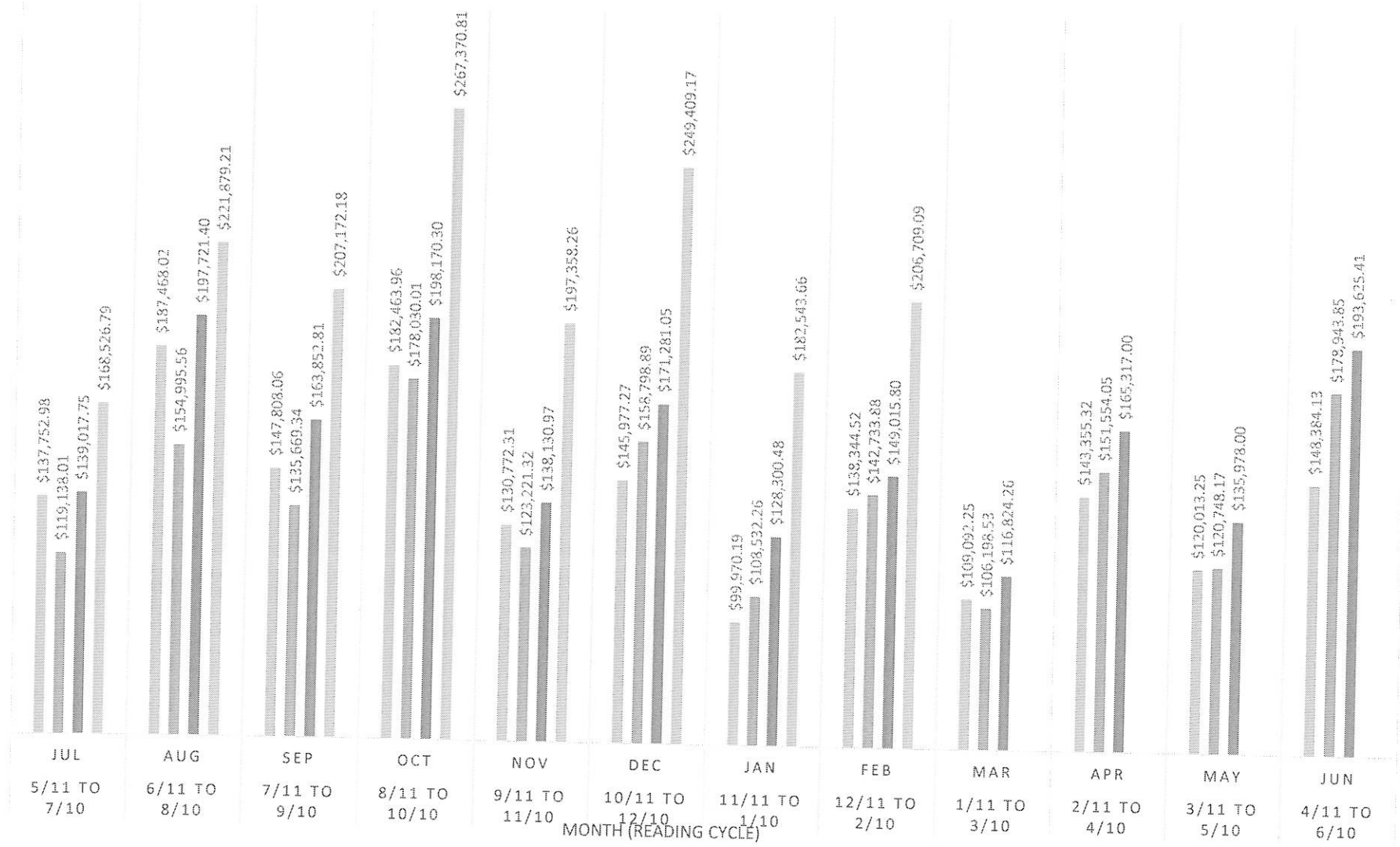
Water Revenue Data						
% of Service Area	Billing Period		FY 14-15	FY 15-16	FY 16-17	FY 17-18
43	5/11 to 7/10	Jul	\$137,752.98	\$119,138.01	\$139,017.75	\$168,526.79
57	6/11 to 8/10	Aug	\$187,468.02	\$154,995.56	\$197,721.40	\$221,879.21
43	7/11 to 9/10	Sep	\$147,808.06	\$135,669.34	\$163,852.81	\$207,172.18
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	
57	2/11 to 4/10	Apr	\$143,355.32	\$151,554.05	\$165,317.00	
43	3/11 to 5/10	May	\$120,013.25	\$120,748.17	\$135,978.00	
57	4/11 to 6/10	Jun	\$148,384.13	\$178,943.85	\$193,625.41	
		<b>TOTAL</b>	<b>\$1,691,402.26</b>	<b>\$1,678,563.87</b>	<b>\$1,897,235.23</b>	<b>\$1,700,969.17</b>

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 LOCS D WATER REVENUE BASED ON BILLING

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





## 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)

