



July 2, 2019

**TO:** LOCSO Board of Directors

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

**SUBJECT: Agenda Item 11C – 7/11/2019 Board Meeting**  
 Utilities Department Report for **May 2019**

**President**  
 Marshall E. Ochylski

**WATER PRODUCTION INFORMATION**

**Vice President**  
 Charles L. Cesena

The total production for the month of **May 2019** was approximately **15.1 million gallons (MG)** this equates to an average daily demand of **487,100** gallons. This represents a **decrease** in production from last year by approximately **3.47%**.

**Directors**  
 Matthew D. Fourcroy  
 Vicki L. Milledge  
 Christine M. Womack

Using the state's formula to calculate residential usage per capita per day, for the month of **May 2019** our residential customers used 65.2 gallons per person per day, a decrease from 67.5 gallons per person per day in May 2018.

**General Manager**  
 Renee Osborne

**PRODUCTION AND RUNTIME HOURS BY WELL SITE**

**District Accountant**  
 Robert Stilts, CPA

The following tables break down the production by well site and runtime on the pump motors for the month of **May 2019**. Totals for last year are included for comparison:

**Unit Chief**  
 Scott M. Jalbert

<b>Production (MG) May</b>	<b>2019</b>	<b>2018</b>	<b>% Change</b>
Palisades	3.62	2.67	35.6
3 <sup>rd</sup> Street/Bayside	0	0	0%
8 <sup>th</sup> Street/El Moro	6.09	5.48	11.1%
10 <sup>th</sup> Street	5.39	4.72	14.2%
South Bay (lower)	0.00	2.03	N/A
South Bay (upper)	0.00	0.74	N/A
<b>TOTAL:</b>	<b>15.10</b>	<b>15.64</b>	

**Battalion Chief**  
 Greg Alex

<b>Runtime (Hours) May</b>	<b>2019</b>	<b>2018</b>
Palisades	176.1	128.4
3 <sup>rd</sup> Street/Bayside	0.2	0.3
8 <sup>th</sup> Street/El Moro	301.0	265.2
10 <sup>th</sup> Street	312.2	261.4
South Bay (lower)	7.4	712.9
South Bay (upper)	0.8	332.3
<b>TOTAL:</b>	<b>797.7</b>	<b>1700.5</b>

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 Los Osos, CA 93412

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

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

www.losososcsd.org

**WATER BILLING INFORMATION**

Forty-three percent of the service area received bills for approximately **9.34 MG** consumption for the period March 11, 2018 through May 8, 2019. This generated approximately **\$181,625.82** in revenue.

**UTILITIES DEPARTMENT OPERATIONS AND MAINTENANCE**

During the month of May 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, from Pasadena to 10<sup>th</sup> Street.
- Grounds keeping at all well sites and around fire hydrants.
- Performed painting maintenance on 16<sup>th</sup> street Reservoirs.
- Performed painting maintenance on 16<sup>th</sup> Street booster station pumps.
- Continued residential meter replacement program, 50 changed out.
- Staff attended training to become more proficient with the district computerized maintenance management program.

**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>

- Grounds keeping all sites ensuring adherence with fire insepction 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											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>May 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>
Total Gallons Produced, Mgal	6.0918	0.0000	5.3917	0.0000	0.0015	3.6163	<b>15.1013</b>	15.6435	-3.47%
Average Daily Flow, Mgal							0.4871	0.5046	
Total Gallons to Waste (Filter Backwash), Mgal	0.0341			0.0000	0.0000		0.0341	0.1766	
Total Gallons to Waste (System Flushing), Mgal							0.0000	0	
Distribution System Losses (Water Line Breaks), Mgal							0.0000	0	
Total Gallons Adjusted, Mgal	6.0577			0.0000			<b>15.0672</b>	15.4669	-2.58%
Pump Runtime, total hours	301.0	0.2	312.2	7.4	0.8	176.1	797.7	1700.5	-53.09%
Daily Avg. Runtime, hours/day	9.7	0.0	10.1	0.2	0.0	5.7			
Energy Used, kWatts	11845	35	12743	241		6390	31254	37044	-15.63%
Eff. Ratio, kWatts/hr	39.35	175.00	40.82	32.57		36.28			
Chlorine Used, total gallons	81.0	0.0	34.3	2.0		31.1	148.4	146.3	1.45%
Aqua Mag, pounds	49.8		50.4	0.0		23.8	124.0	90.4	37.17%
Static water level, ft.	30.45	4.15	157.40	111.30	89.20	98.90			
Pump water level, ft.	145.00	N/A	249.90	0.00	0.00	189.60			
Draw-down level, ft.	114.55	N/A	92.50	0.00	0.00	90.70			
Gallons per minute	337	0	323	0	0	256			
Pressure, psi	98	0	33	0	0	55			

## LOCSD Water Data

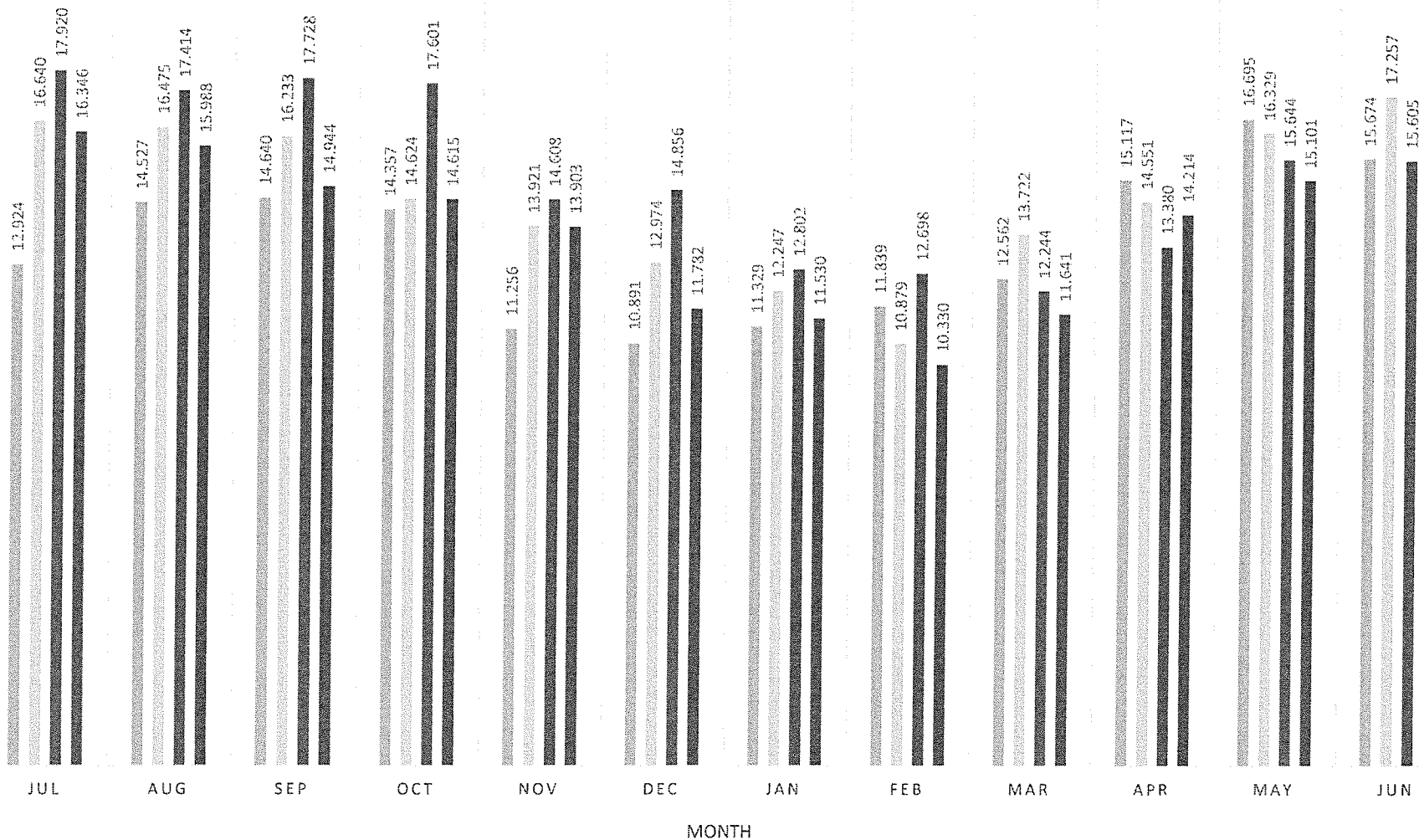
<b>Water Production Data in Million Gallons</b>				
	<b>FY 15-16</b>	<b>FY 16-17</b>	<b>FY 17-18</b>	<b>FY 18-19</b>
Jul	12.924	16.640	17.920	16.346
Aug	14.527	16.475	17.414	15.988
Sep	14.640	16.233	17.728	14.944
Oct	14.357	14.624	17.601	14.615
Nov	11.256	13.921	14.608	13.903
Dec	10.891	12.974	14.856	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	
<b>TOTAL</b>	<b>161.807</b>	<b>175.852</b>	<b>182.500</b>	<b>150.394</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)



## LOCSD Water Data

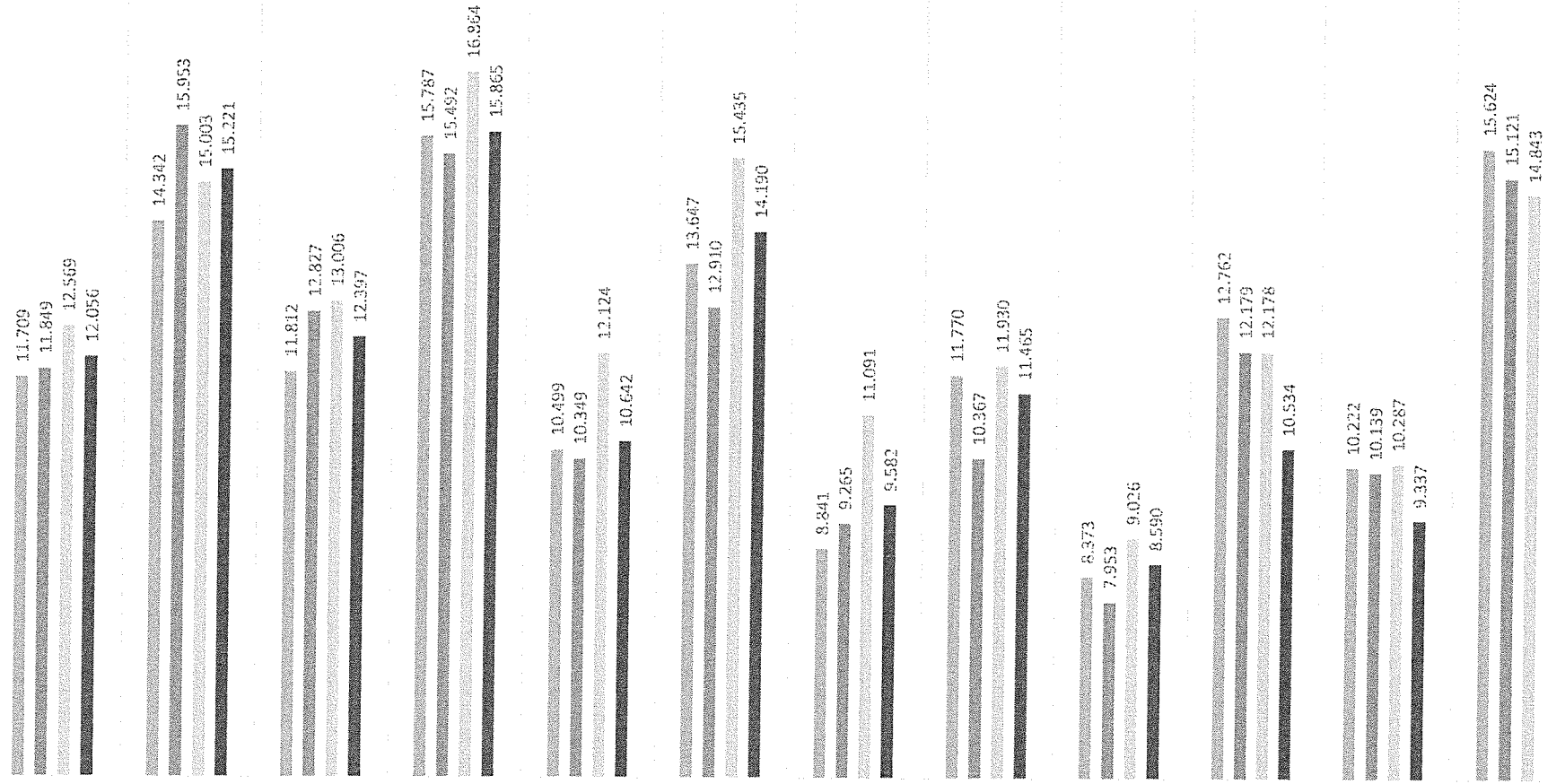
<b>Water Consumption Data in Million Gallons</b>						
<b>% of Service Area</b>	<b>Billing Period</b>		<b>FY 15-16</b>	<b>FY 16-17</b>	<b>FY 17-18</b>	<b>FY 18-19</b>
43	5/11 to 7/10	Jul	11.709	11.849	12.569	12.056
57	6/11 to 8/10	Aug	14.342	15.953	15.003	15.221
43	7/11 to 9/10	Sep	11.812	12.827	13.006	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	
		<b>TOTAL</b>	<b>145.388</b>	<b>144.405</b>	<b>154.356</b>	<b>129.879</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)



Month	FY 15-16	FY 16-17	FY 17-18	FY 18-19
JUL 5/11 TO 7/10	11,709	11,849	12,569	12,056
AUG 6/11 TO 8/10	14,342	15,953	15,003	15,221
SEP 7/11 TO 9/10	11,812	12,827	13,006	12,397
OCT 8/11 TO 10/10	15,787	15,492	16,954	15,865
NOV 9/11 TO 11/10	10,499	10,349	12,124	10,642
DEC 10/11 TO 12/10	13,667	12,910	15,435	14,190
JAN 11/11 TO 1/10	8,841	9,265	11,091	9,582
FEB 12/11 TO 2/10	11,770	10,367	11,930	11,465
MAR 1/11 TO 3/10	8,373	7,953	9,026	8,590
APR 2/11 TO 4/10	12,762	12,179	12,178	10,534
MAY 3/11 TO 5/10	10,222	10,139	10,287	9,337
JUN 4/11 TO 6/10	15,624	15,121	14,843	

MONTH (READING CYCLE)

## 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	
		<b>TOTAL</b>	<b>\$1,678,563.87</b>	<b>\$1,897,235.23</b>	<b>\$2,483,721.49</b>	<b>\$2,413,684.20</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

