



TO: LOCSO Board of Directors

FROM: Margaret Falkner, Utility Compliance Technician III *MF*

SUBJECT: **Agenda Item 9C – 12/01/2016 Special Board Meeting**  
 Utilities Department Report for **October 2016**

**President**  
 Marshall E. Ochylski

**Vice President**  
 Jon-Erik G. Storm

**Directors**  
 Charles L. Cesena  
 Louis G. Tornatzky  
 R. Michael Wright

**General Manager**  
 Renee Osborne

**District Accountant**  
 Warmerdam CPA Group

**Unit Chief**  
 Scott M. Jalbert

**Battalion Chief**  
 Tom McEwen

**WATER PRODUCTION INFORMATION**

The total production for the month of **September 2016** was approximately **16.2 million gallons (MG)** this equates to an average daily demand of 541,100 gallons. This represents an **increase** in production from last year by approximately **11%**.

Using the state's formula to calculate residential usage per capita per day, for the month of **September 2016** our residential customers used **70** gallons per person per day.

The total production for the month of **October 2016** was approximately **14.6 million gallons (MG)** this equates to an average daily demand of 471,700 gallons. This represents an **increase** in production from last year by approximately **2%**.

Using the state's formula to calculate residential usage per capita per day, for the month of **October 2016** our residential customers used **71** 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 **September 2016**. Totals for last year are included for comparison:

<b>Production (MG) September</b>	<b>2016</b>	<b>2015</b>
Palisades	3.2023	0.0286
3 <sup>rd</sup> Street/Bayside	0.0000	2.9131
8 <sup>th</sup> Street/El Moro	6.2547	4.8966
10 <sup>th</sup> Street	5.0957	4.5100
South Bay (lower)	1.6257	1.6223
South Bay (upper)	0.0550	0.6690
<b>TOTAL:</b>	<b>16.2334</b>	<b>14.6396</b>

<b>Runtime (Hours) September</b>	<b>2016</b>	<b>2015</b>
Palisades	137.8	9.8
3 <sup>rd</sup> Street/Bayside	0.0	695.8
8 <sup>th</sup> Street/El Moro	276.4	241.3
10 <sup>th</sup> St	284.4	305.7
South Bay (lower)	594.2	567.2
South Bay (upper)	20.4	301.3
<b>TOTAL:</b>	<b>1313.2</b>	<b>2121.1</b>

**Mailing Address:**  
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The following tables break down the production by well site and runtime on the pump motors for the month of **October 2016**. Totals for last year are included for comparison:

<b>Production (MG) October</b>	<b>2016</b>	<b>2015</b>
Palisades	2.9434	0.0772
3 <sup>rd</sup> Street/Bayside	0.0000	2.7532
8 <sup>th</sup> Street/El Moro	5.6151	4.4785
10 <sup>th</sup> Street	3.9972	4.3523
South Bay (lower)	1.9832	1.9346
South Bay (upper)	0.0850	0.7610
<b>TOTAL:</b>	<b>14.6239</b>	<b>14.3568</b>

<b>Runtime (Hours) October</b>	<b>2016</b>	<b>2015</b>
Palisades	130.4	35.9
3 <sup>rd</sup> Street/Bayside	0.0	656.9
8 <sup>th</sup> Street/El Moro	251.9	217.7
10 <sup>th</sup> St	236.2	236.8
South Bay (lower)	698.5	677.4
South Bay (upper)	37.6	340.4
<b>TOTAL:</b>	<b>1354.6</b>	<b>2165.1</b>

Enclosed are summary sheets for both September 2016 and October 2016 along with graphs and tables for production, consumption and revenues.

#### **WATER BILLING INFORMATION**

Forty-three percent of the service area received bills for approximately **10.4 MG** consumption for the period **September 12, 2016 through November 9, 2016**. This generated approximately **\$138,131** in revenue. This represents a **decrease** in consumption by approximately **1%** and an **increase** in revenue by approximately **12%** in comparison to last year at this time.

#### **DRAINAGE WDID # 3 40M2000133**

September was dry but we had 2.03 inches of rain recorded at the Water Operations Facility for October which brought the total rainfall for the calendar year to 11.40 inches. After the latest rain event on Sunday November 20, 2016 our crew recorded 2.24 inches of rain!

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 can make their way to drainage systems then eventually out to the bay. Using less toxic fertilizers and pesticides is another way to prevent stormwater pollution. Storm water pollution prevention measures are available on the District's Drainage web page: <http://www.losososcsd.org/drainage-e293b4b>

#### **BAYRIDGE ESTATES WDID# 3 401027001**

This subdivision was hooked up to the LOWWP collection system in early May 2016. There are 12 septic tanks to be decommissioned. A notice of termination will be filed with the state on waste discharge orders once all paperwork is completed for transferring this subdivision to the County of San Luis Obispo. Until these documents are finalized our crews continue monitoring and responding to backups in the system. The District operated lift-station pump has been disconnected and removed.

**VISTA DE ORO WDID# 3 401024001**

Staff heard from a member of the Finance Advisory Committee that a number of neighbors had questions about the assessments that remain on their property tax bills. A second mailing of the original joint letter from the District and San Luis Obispo County Public Works was mailed in November with a note stating the District has no control over mail delivery in Los Osos. Attached is a copy of the letter mailed out in August 2016 and again in November. Some of the owners received the original letter because staff remembers answering questions for this subdivision. There are a total of 73 parcels in Vista de Oro. This subdivision was hooked up to the LOWWP collection system in April 2016. A notice of termination will be filed with the state on waste discharge orders once all paperwork is completed for transferring this subdivision to the County of San Luis Obispo.

**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.

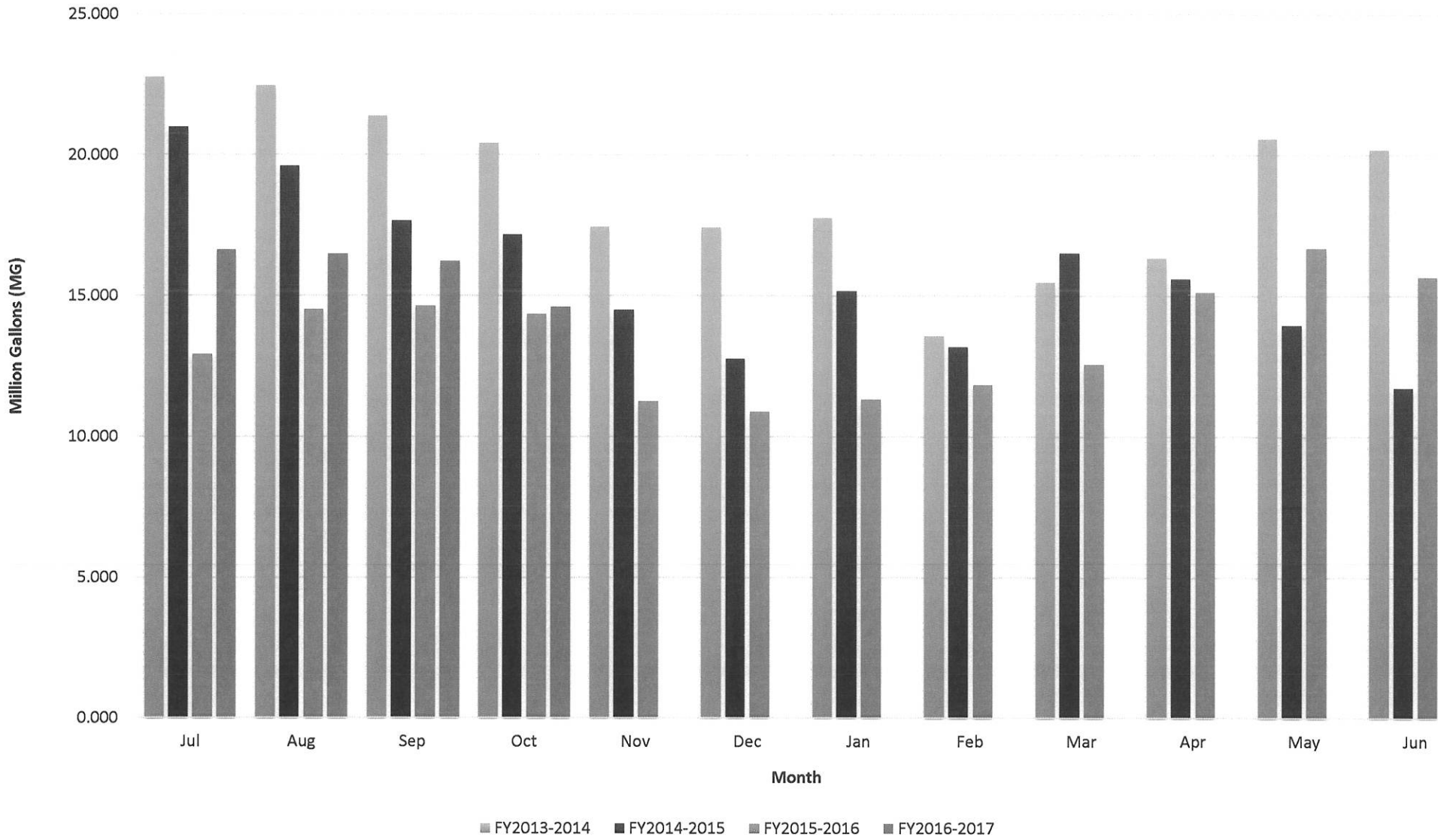
Attachments

### LOCSD Water Data

<b>Water Production Data in Million Gallons</b>					
	<b>FY 12-13</b>	<b>FY 13-14</b>	<b>FY 14-15</b>	<b>FY 15-16</b>	<b>FY 16-17</b>
Jul	25.600	22.779	20.979	12.924	16.640
Aug	23.862	22.470	19.593	14.527	16.475
Sep	21.340	21.380	17.667	14.640	16.233
Oct	19.708	20.431	17.169	14.357	14.624
Nov	16.939	17.436	14.482	11.256	
Dec	14.747	17.431	12.759	10.891	
Jan	15.268	17.780	15.174	11.329	
Feb	14.940	13.584	13.171	11.839	
Mar	18.193	15.476	16.508	12.562	
Apr	21.118	16.354	15.591	15.117	
May	22.310	20.591	13.966	16.695	
Jun	22.743	20.179	11.731	15.674	
<b>TOTAL</b>	<b>236.767</b>	<b>225.890</b>	<b>188.790</b>	<b>161.807</b>	<b>63.972</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 LOCSO Well Production Data

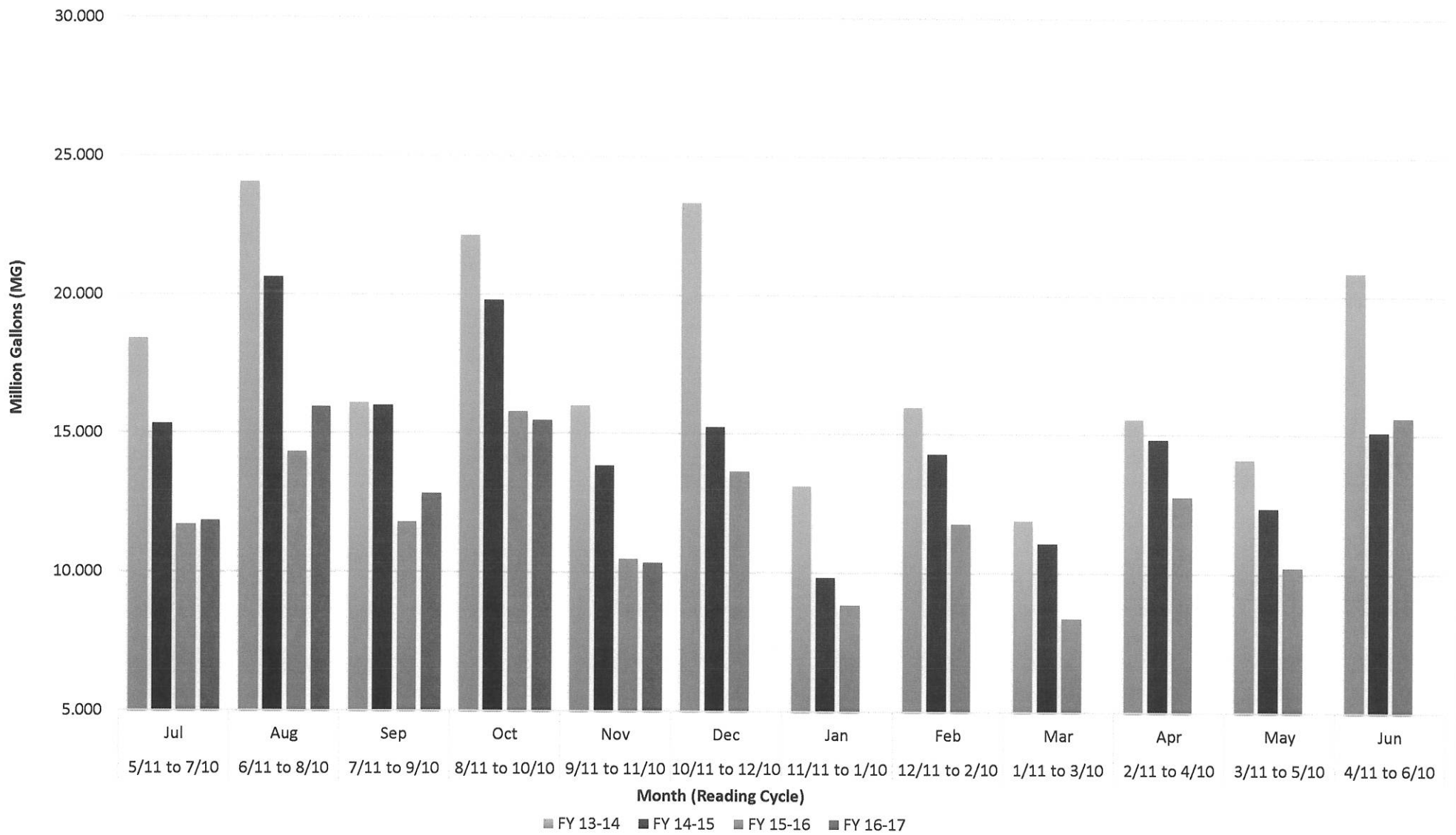


**LOCSD Water Data**

<b>Water Consumption Data in Million Gallons</b>							
<b>% of Service Area</b>	<b>Billing Period</b>		<b>FY 12-13</b>	<b>FY 13-14</b>	<b>FY 14-15</b>	<b>FY 15-16</b>	<b>FY 16-17</b>
43	5/11 to 7/10	Jul	18.110	18.402	15.330	11.709	11.849
57	6/11 to 8/10	Aug	26.006	24.061	20.627	14.342	15.953
43	7/11 to 9/10	Sep	19.748	16.087	15.989	11.812	12.827
57	8/11 to 10/10	Oct	21.617	22.142	19.804	15.787	15.492
43	9/11 to 11/10	Nov	16.155	15.994	13.830	10.499	10.349
57	10/11 to 12/10	Dec	17.096	23.342	15.236	13.647	
43	11/11 to 1/10	Jan	12.406	13.105	9.828	8.841	
57	12/11 to 2/10	Feb	16.223	15.969	14.276	11.770	
43	1/11 to 3/10	Mar	12.737	11.886	11.079	8.373	
57	2/11 to 4/10	Apr	16.756	15.559	14.829	12.762	
43	3/11 to 5/10	May	16.686	14.131	12.367	10.222	
57	4/11 to 6/10	Jun	22.709	20.852	15.111	15.624	
		<b>TOTAL</b>	<b>216.249</b>	<b>211.530</b>	<b>178.306</b>	<b>145.388</b>	<b>66.470</b>

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 Production is recorded daily.

## Historical to Present LOCS D Water Consumption Based on Billing



## LOCSD Water Data

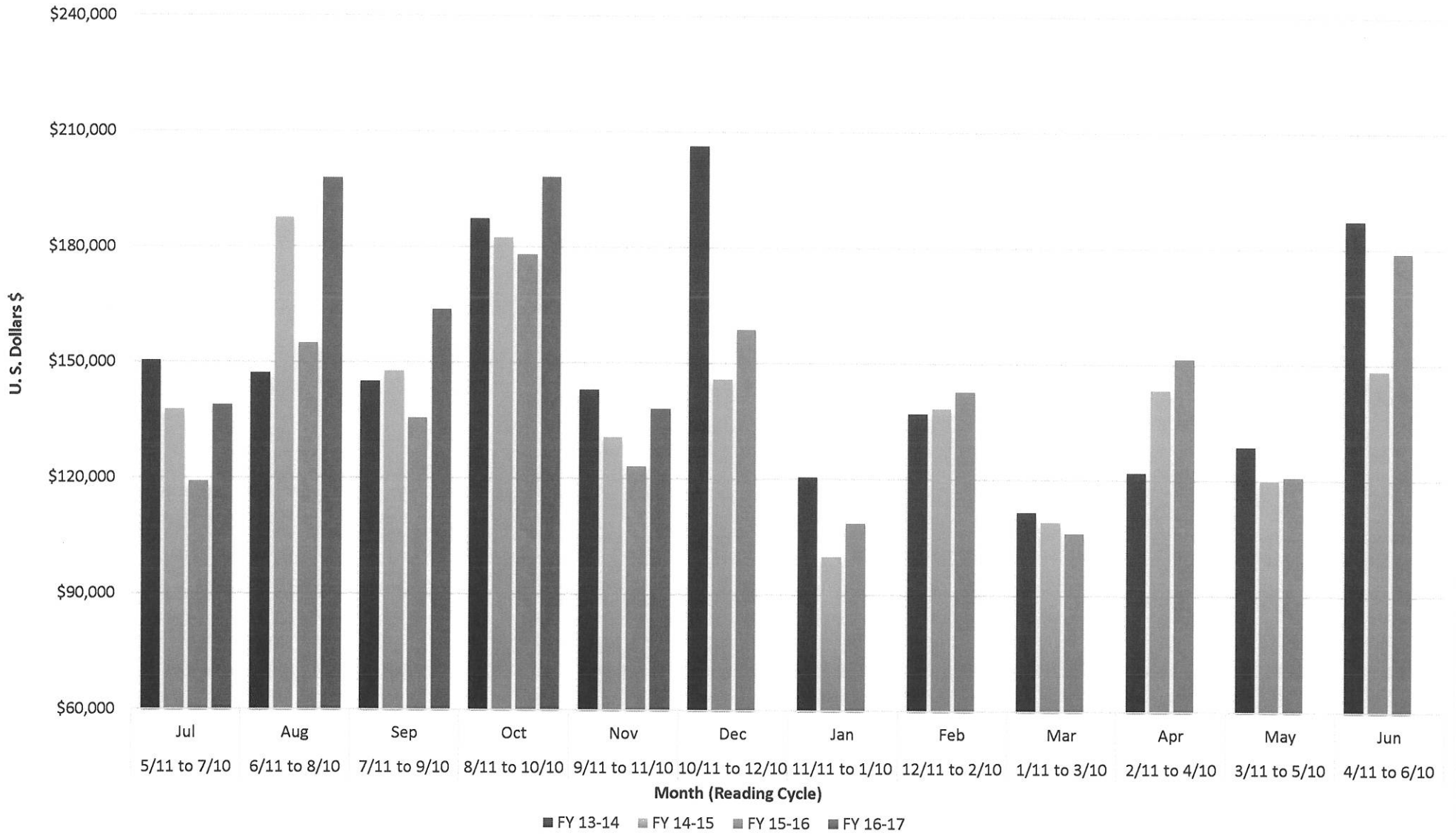
### Water Revenue Data

<b>% of Service Area</b>	<b>Billing Period</b>		<b>FY 12-13</b>	<b>FY 13-14</b>	<b>FY 14-15</b>	<b>FY 15-16</b>	<b>FY 16-17</b>
43	5/11 to 7/10	Jul	\$127,737.70	\$150,401.90	\$137,752.98	\$119,138.01	\$139,017.75
57	6/11 to 8/10	Aug	\$175,798.70	\$147,246.54	\$187,468.02	\$154,995.56	\$197,721.40
43	7/11 to 9/10	Sep	\$139,628.43	\$145,135.28	\$147,808.06	\$135,669.34	\$163,852.81
57	8/11 to 10/10	Oct	\$163,698.98	\$187,431.78	\$182,463.96	\$178,030.01	\$198,170.30
43	9/11 to 11/10	Nov	\$128,918.55	\$143,029.03	\$130,772.31	\$123,221.32	\$138,130.97
57	10/11 to 12/10	Dec	\$142,026.32	\$206,187.91	\$145,977.27	\$158,798.89	
43	11/11 to 1/10	Jan	\$104,328.08	\$120,500.40	\$99,970.19	\$108,532.26	
57	12/11 to 2/10	Feb	\$132,433.64	\$137,045.65	\$138,344.52	\$142,733.88	
43	1/11 to 3/10	Mar	\$95,487.96	\$111,475.31	\$109,092.25	\$106,198.53	
57	2/11 to 4/10	Apr	\$135,947.81	\$121,943.68	\$143,355.32	\$151,554.05	
43	3/11 to 5/10	May	\$133,939.00	\$128,784.61	\$120,013.25	\$120,748.17	
57	4/11 to 6/10	Jun	\$172,139.37	\$187,230.13	\$148,384.13	\$178,943.85	
		<b>TOTAL</b>	<b>\$1,652,084.54</b>	<b>\$1,786,412.22</b>	<b>\$1,691,402.26</b>	<b>\$1,678,563.87</b>	<b>\$836,893.23</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



<b>SEPTEMBER 2016</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	6.2547	0.0000	5.0957	1.6257	0.0550	3.2023	<b>16.2334</b>	14.6396	10.89%
Average Daily Flow, Mgal							0.5411		
Total Gallons to Waste ( Filter Backwash ), Mgal	0.0320			0.0000	0.0000		0.0320	0.0357	
Total Gallons to Waste ( System Flushing ), Mgal							0.0000	0.0000	
Distribution System Losses ( Water Line Breaks ), Mgal							0.0000	0.0000	
Total Gallons Adjusted, Mgal	6.2227			1.6257			<b>16.2014</b>	14.6039	10.94%
Pump Runtime, total hours	276.4	0.0	284.4	594.2	20.4	137.8	1313.2	2121.1	-61.52%
Daily Avg. Runtime, hours/day	9.2	0.0	9.5	19.8	0.7	4.6			
Energy Used, kWatts	11083	31	11059	7178		5975	35326	34418	2.64%
Eff. Ratio, kWatts/hr	40.10	0.00	38.89	12.08		43.36			
Chlorine Used, total gallons	91.1	0.0	44.4	21.1		26.1	182.8	165.6	10.36%
Aqua Mag, pounds	44.2		0.0	0.0		18.2	62.4	62.6	-0.32%
Static water level, ft.	36.20	4.50	144.20	126.00	0.00	105.40			
Pump water level, ft.	158.40	0.00	247.00	185.30	0.00	229.70	<b>3rd St. Well Out of Service</b>		
Draw-down level, ft.	122.20	0.00	102.80	59.30	0.00	124.30	<b>South Bay Upper out of service 9/3/2016</b>		
Gallons per minute	382	0	330	36	0	300			
Pressure, psi	92	0	34	62	0	55			

Well Log Summaries

<b>OCTOBER 2016</b>	<b>8th St./ El 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	5.6151	0.0000	3.9972	1.9832	0.0850	2.9434	<b>14.6239</b>	14.3568	1.86%
Average Daily Flow, Mgal							0.4717		
Total Gallons to Waste (Filter Backwash), Mgal	0.0383			0.0000	0.0000		0.0383	0.0000	
Total Gallons to Waste (System Flushing), Mgal							0.0000	0.0000	
Distribution System Losses (Water Line Breaks), Mgal							0.0000	0.0000	
Total Gallons Adjusted, Mgal	5.5768			1.9832			<b>14.5856</b>	14.3568	1.59%
Pump Runtime, total hours	251.9	0.0	236.2	698.5	37.6	130.4	1354.6	2165.1	-59.83%
Daily Avg. Runtime, hours/day	8.1	0.0	7.6	22.5	1.2	4.2			
Energy Used, kWatts	10057	32	9604	8758		5092	33543	35513	-5.55%
Eff. Ratio, kWatts/hr	39.92	0.00	40.66	12.54		39.05			
Chlorine Used, total gallons	71.2	0.0	34.1	25.0		22.1	152.4	159.2	-4.25%
Aqua Mag, pounds	37.6		0.0	0.0		26.8	64.4	88.6	-27.31%
Static water level, ft.	57.40	4.25	157.00	126.50	96.85	110.90			
Pump water level, ft.	154.70	0.00	285.75	188.70	117.90	205.60	<b>3rd. St. Well Out of Service</b>		
Draw-down level, ft.	97.30	0.00	128.75	62.20	21.05	94.70	<b>South Bay Upper out of service thru 28th</b>		
Gallons per minute	381	0	339	25	25	296			
Pressure, psi	95	0	37	63	65	58			



August 15, 2016

«Assessed»  
 «Mailing\_Address»  
 «City\_», «State» «Zip»

**President**  
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RE: LOCSD Assessments on Your Property

Dear Homeowner:

Your property is assessed annually for community septic maintenance and street lighting by the Los Osos Community Services District (LOCSD). Due to a successful protest of a Proposition 218 increase request in assessment in 2013, the maintenance costs of the collection system and septic tanks exceeded the revenues generated from the assessments. At that time language was included in the Proposition 218 notice that the assessments would remain on the properties until the fund is balanced and the water fund is repaid. On August 7, 2014, the LOCSD Board of Directors authorized an interfund loan from the water fund to fill the deficit for operational costs in the Vista de Oro fund.

At this time we are anticipating a little more than two years to fully recover the loan amount. This includes deducting the expense to keep street lighting of 14 lamps in your neighborhood.

Year	LOCSD Assessment Per Parcel	Number of Parcels	Total Revenue	Street Lighting Expense	Difference (Assessment - Street Lighting)	Amount of Interfund Loan	Assessment Applied Subtotal
2016	\$216.00	73	\$15,768	\$2,500	\$13,268	\$30,000	\$16,732.00
2017	\$216.00	73	\$15,768	\$2,500	\$13,268		\$3,464.00
2018	\$216.00	73	\$15,768	\$2,500	\$13,268		-\$9,804.00

Earlier this year the Vista de Oro collection system was connected to the County collection system for the Los Osos Water Recycling Facility. The County has provided a break in assessment costs to the homeowners in Vista de Oro due to the fact the collection system for each home is already in place.

**Mailing Address:**  
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**Offices:**  
 2122 9<sup>th</sup> Street, Suite 102  
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**Phone:** 805/528-9370  
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On the other side of this page is a break-down of the expected costs for the County wastewater project:

Estimated Annual Costs	Typical Single Family Home	Vista de Oro Home
Assessment Cost if Financed on Property Taxes	\$1,083	\$590
Service Charges Minimum Flat Rate	\$450	\$450
Service Charges Volume Usage Fee (approximate)	\$450	\$450
Total Estimated Annual Costs	\$1,983	\$1,490

If you have any questions feel free to contact the District at 805-528-9376 or the County Public Works at 805-788-2713.

Sincerely,

Peter J. Kampa  
Interim General Manager

Cc: John Waddell, San Luis Obispo County Public Works  
FILE