



January 25, 2017

TO: LOCSD Board of Directors
FROM: Margaret Falkner, Utility Compliance Technician III
SUBJECT: **Agenda Item 9C – 02/02/2017 Regular Board Meeting**
 Utilities Department Report for **December 2016**

MRF

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 Vicki L. Milledge

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WATER PRODUCTION INFORMATION

The total production for the month of **December 2016** was approximately **12.9 million gallons (MG)** this equates to an average daily demand of 418,500 gallons. This represents an **increase** in production from last year by approximately **19%**.

Using the state's formula to calculate residential usage per capita per day, for the month of **December 2016** our residential customers used **56** 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 **December 2016**. Totals for last year are included for comparison:

Production (MG) December	2016	2015
Palisades	3.3252	0.1825
3 rd Street/Bayside	0.0000	1.4550
8 th Street/El Moro	4.3218	3.2134
10 th Street	3.3482	3.1719
South Bay (lower)	1.9784	1.9478
South Bay (upper)	0.0000	0.9200
TOTAL:	12.9736	10.8906

Runtime (Hours) December	2016	2015
Palisades	139.0	82.4
3 rd Street/Bayside	0.0	347.5
8 th Street/El Moro	189.0	160.1
10 th St	200.1	167.5
South Bay (lower)	692.8	686.1
South Bay (upper)	0.0	409.5
TOTAL:	1220.9	1853.1

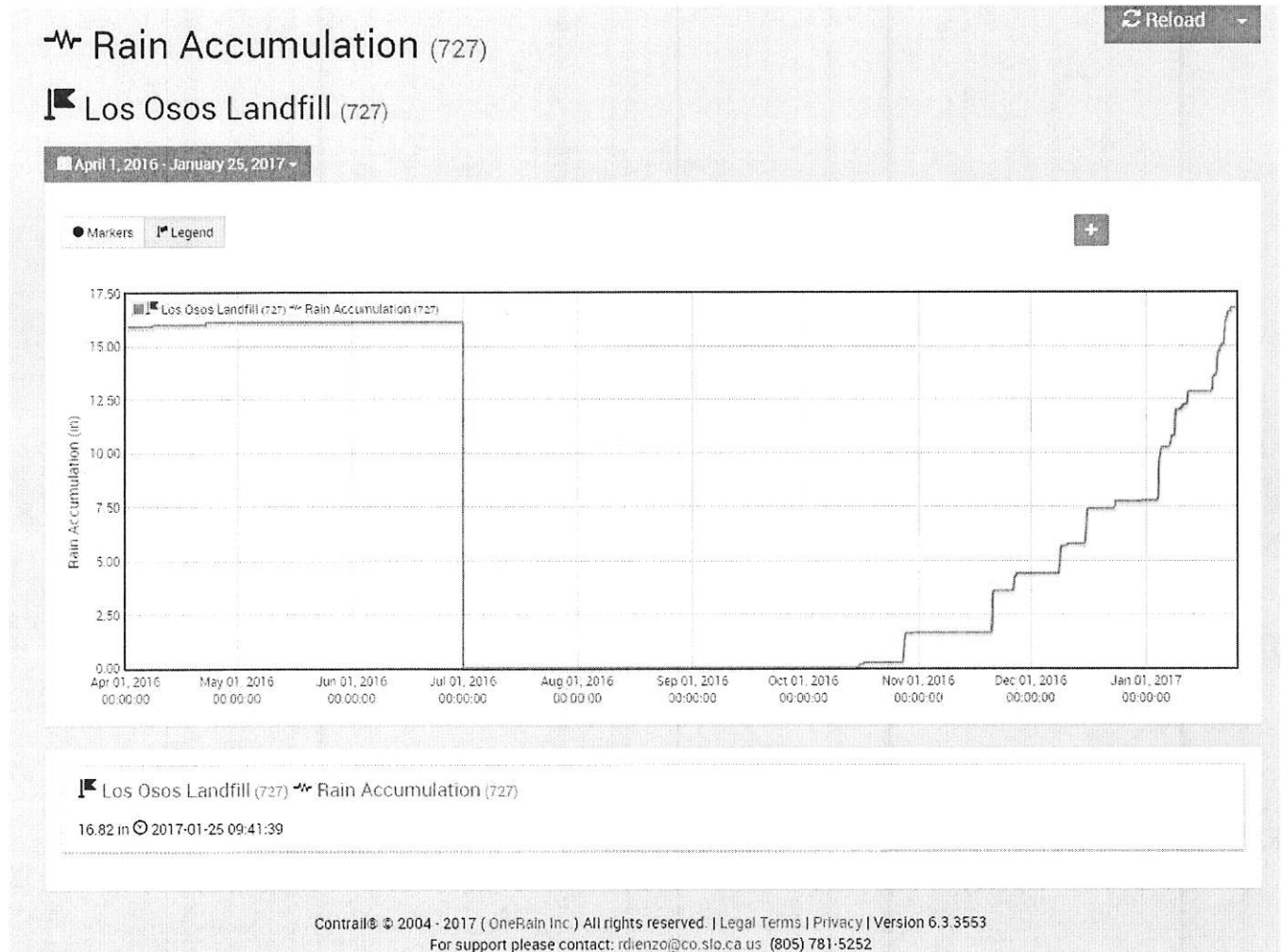
WATER BILLING INFORMATION

Forty-three percent of the service area received bills for approximately **9.3 MG** consumption for the period **November 09, 2016 through January 10, 2017**. This generated approximately **\$128,300** in revenue. This represents an **increase** in consumption by approximately **5%** and an **increase** in revenue by approximately **18%** in comparison to last year at this time.

Enclosed are the well summary sheet for December 2016 along with graphs and tables for production, consumption and revenues.

DRAINAGE WDID # 3 40M2000133

The County has a new link to rain and reservoir information: <http://wr.slocountywater.org/home.php>
Staff was asked on January 24, 2017 to include rainfall totals from the Los Osos Landfill rain monitor. Due to time constraints, historical information will be provided in future staff reports. Here is a copy of the current year measured from April 1, 2016 through January 25, 2017.



These months are queried to coincide with our Water Shortage Contingency Plan climate triggers.

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 WDID# 3 401027001

This subdivision was hooked up to the LOWWP collection system in early May 2016. There are 10 remaining 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. A permit fee of \$1,440 was paid for the period 7/1/2016 through 6/30/2017.

VISTA DE ORO WDID# 3 401024001

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. A permit fee of \$1,440 was paid for the period 7/1/2016 through 6/30/2017.

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

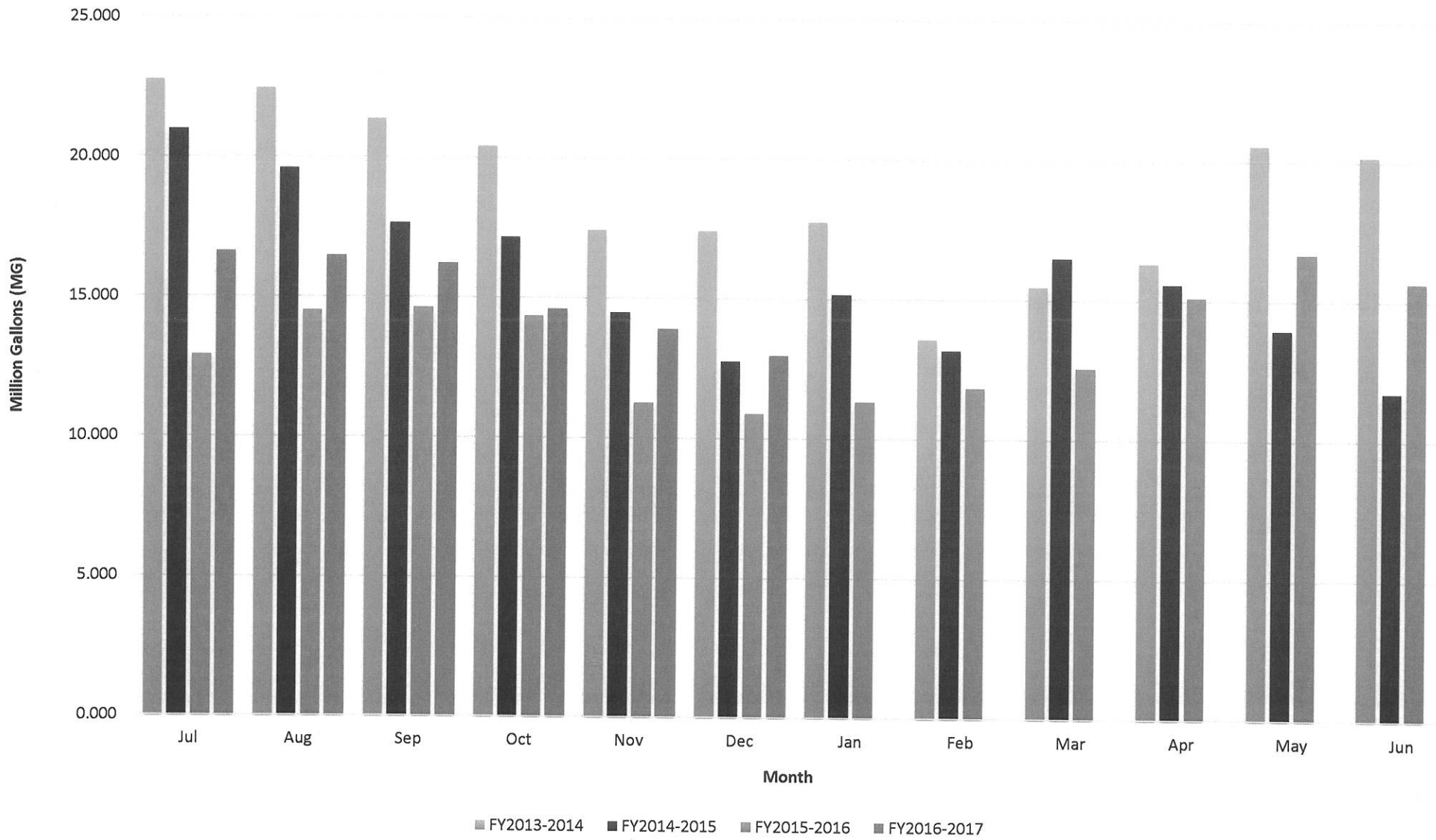
DECEMBER 2016	8th St./ EI Moro Well	3rd St./ Bayside Well	10th St. Well	South Bay Well	South Bay Upper Well	Palisades Well	All Wells TOTAL	Last Years TOTAL	Percent% Differential
Total Gallons Produced, Mgal	4.3218	0.0000	3.3482	1.9784	0.0000	3.3252	12.9736	10.8906	19.13%
Average Daily Flow, Mgal							0.4185		
Total Gallons to Waste (Filter Backwash), Mgal	0.0000			0.0000	0.0000		0.0000	0.0344	
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	4.3218			1.9784			12.9736	10.8562	19.50%
Pump Runtime, total hours	189.0	0.0	200.1	692.8	0.0	139.0	1220.9	1853.1	-34.12%
Daily Avg. Runtime, hours/day	6.1	0.0	6.5	22.3	0.0	4.5			
Energy Used, kWatts	7626	32	7350	8278		5550	28836	30460	-5.33%
Eff. Ratio, kWatts/hr	40.35	0.00	36.73	11.95		39.93			
Chlorine Used, total gallons	56.9	0.0	26.5	23.2		24.4	130.9	137.9	-5.05%
Aqua Mag, pounds	29.4		0.0	0.0		0.0	29.4	40.4	-27.23%
Static water level, ft.	32.00	4.40	149.30	109.20	95.00	94.70			
Pump water level, ft.	149.80	0.00	250.10	141.50	0.00	200.50			
Draw-down level, ft.	117.80	0.00	100.80	32.30	0.00	105.80	3rd St. Well Out of Service		
Gallons per minute	383	0	332	0	0	300	S. Bay Upper Well Out of Service		
Pressure, psi	96	0	37	63	0	55			

LOCSD Water Data

Water Production Data in Million Gallons					
	FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17
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	13.921
Dec	14.747	17.431	12.759	10.891	12.974
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	
TOTAL	236.767	225.890	188.790	161.807	90.867

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

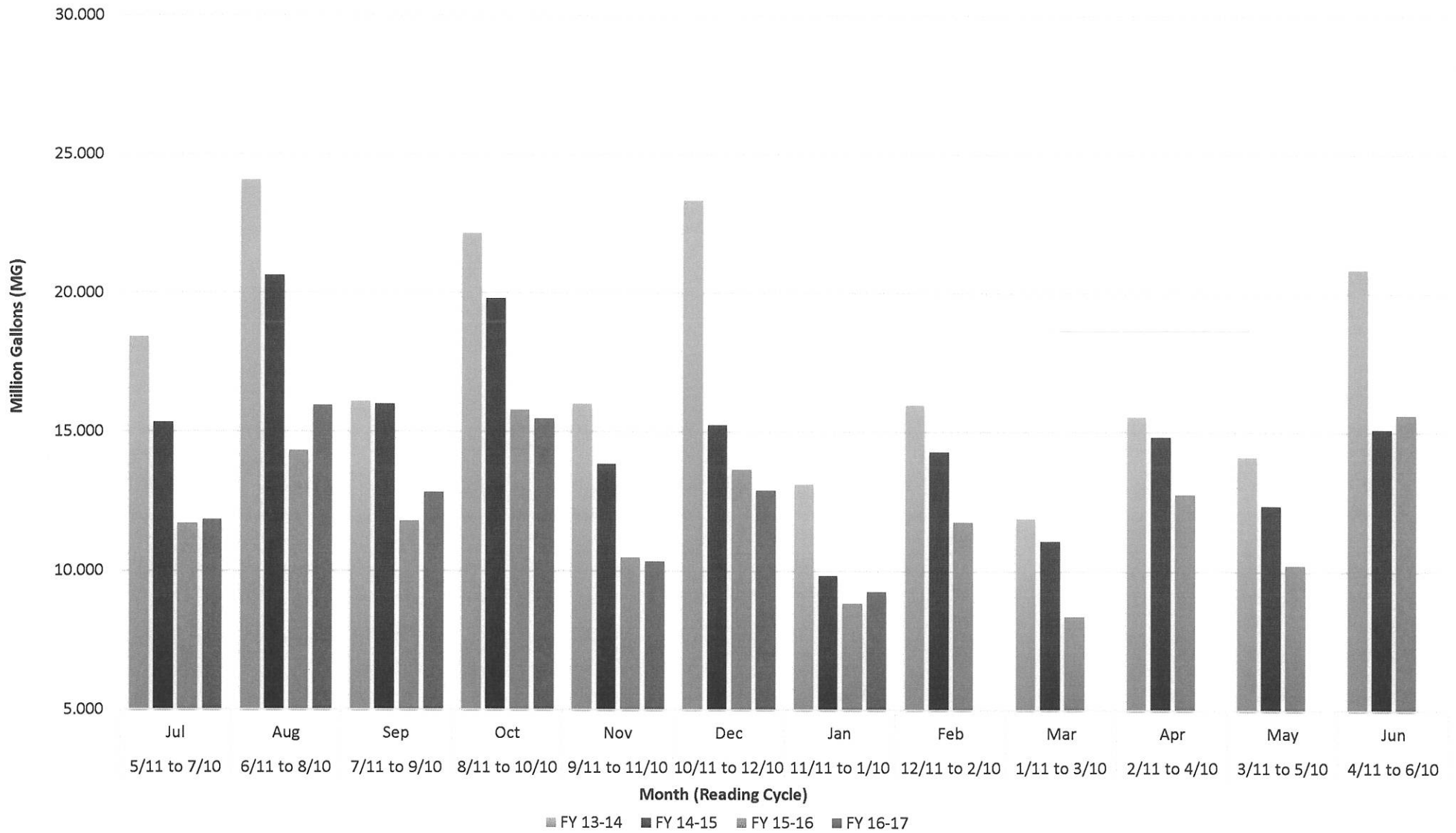


LOCSD Water Data

Water Consumption Data in Million Gallons							
% of Service Area	Billing Period		FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17
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	12.910
43	11/11 to 1/10	Jan	12.406	13.105	9.828	8.841	9.265
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	
		TOTAL	216.249	211.530	178.306	145.388	88.645

Consumption is billed for a two month period every month.
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 Production is recorded daily.

Historical to Present LOCS D Water Consumption Based on Billing



LOCSD Water Data

Water Revenue Data

% of Service Area	Billing Period		FY 12-13	FY 13-14	FY 14-15	FY 15-16	FY 16-17
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	\$171,281.05
43	11/11 to 1/10	Jan	\$104,328.08	\$120,500.40	\$99,970.19	\$108,532.26	\$128,300.48
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	
		TOTAL	\$1,652,084.54	\$1,786,412.22	\$1,691,402.26	\$1,678,563.87	\$1,136,474.76

Consumption is billed for a two month period every month.
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 Production is recorded daily.

Historical to Present LOCS D Water Revenue Based on Billing

