



November 13, 2015

TO: LOCSO Board of Directors
FROM: Margaret Falkner, Utility Compliance Technician III
SUBJECT: **Agenda Item 9B – 12/3/2015 Board Meeting**
 Utilities Department Report for October 2015

MKF

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WATER PRODUCTION & BILLING INFORMATION

The total production for the month of **October 2015** was approximately **14.4 million gallons (MG)** this equates to an average daily demand of 463,100 gallons. This represents a **decrease** in production from last year by approximately **16%**. Using the state's formula based on production, the residents in our water service area used 61 gallons per person per day.

Forty-three percent of the service area received bills for approximately **10.5 MG** consumption for the period **September 12, 2015 through November 11, 2015**. This generated **\$123,221** in revenue. This represents a **decrease** in consumption by approximately **24%** and a **decrease** in revenue by approximately **6%** when compared to last year.

PRODUCTION AND RUNTIME HOURS BY WELL SITE

The following tables that break down the production by well site and the runtime on the pump motors for the month of **October 2015**. Totals for last year are included for comparison:

Production (MG) October	2015	2014
Palisades	0.0772	5.0120
3 rd Street/Bayside	2.7532	3.2029
8 th Street/El Moro	4.4785	4.1815
10 th Street	4.3523	4.7727
South Bay (lower)	1.9346	0.0000
South Bay (upper)	0.7610	0.0000

TOTAL: 14.3568 17.1691

Runtime (Hours) August	2015	2014
Palisades	35.9	152.9
3 rd Street/Bayside	656.9	724.2
8 th Street/El Moro	217.7	202.7
10 th St	236.8	259.7
South Bay (lower)	677.4	0.0
South Bay (upper)	340.4	0.0

TOTAL: 2165.1 1339.5

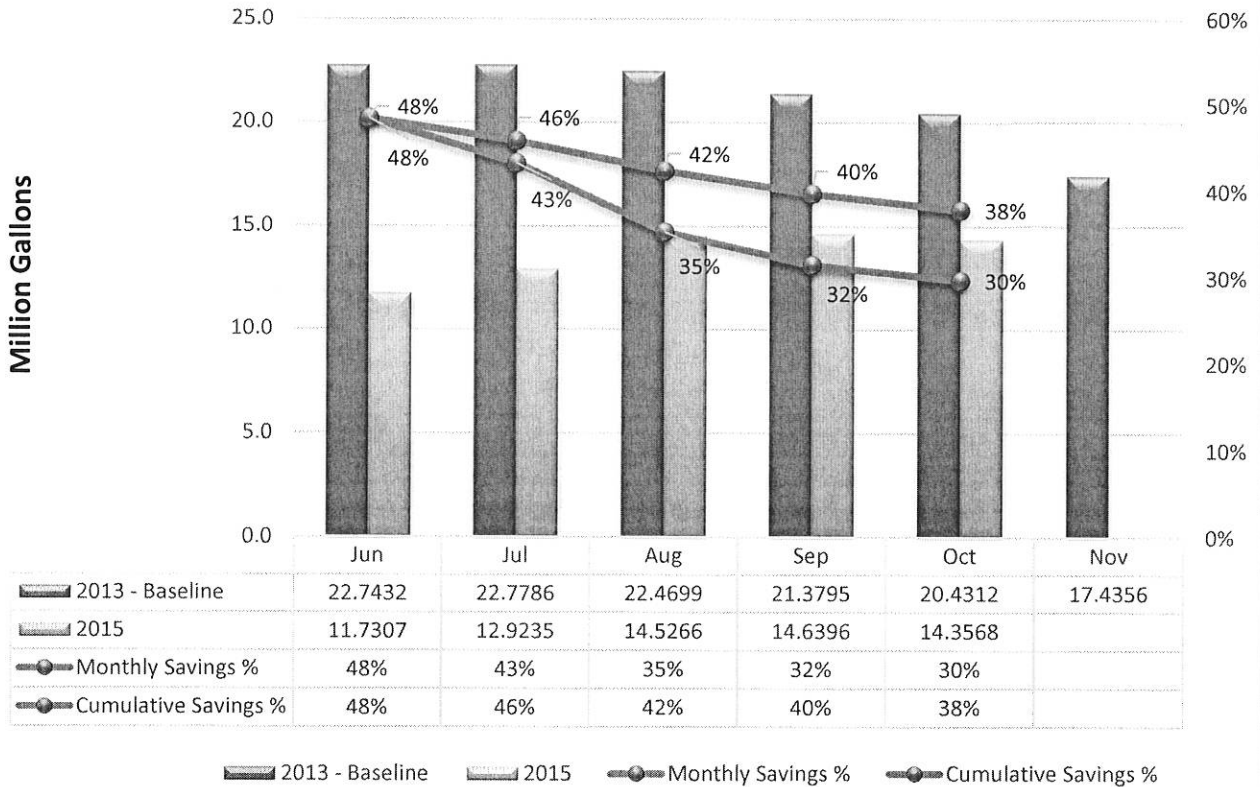
Please refer to the attached October 2015 "Well Log Summaries" for more data.

CALIFORNIA STATE OF EMERGENCY DUE TO DROUGHT

We remain officially in a drought.

On Friday, November 13, 2015 Governor Brown extended the Water Conservation Order. The new executive order allows emergency water conservation measures to continue through October if California still faces a drought in January. Below is a graph of the District's water service area **production** compared to the 2013 baseline. We will provide this information to the State once the November production numbers are available and before the December 15, 2015 deadline.

LOCSO Well Production Comparison Using State Guidelines



FROM THE UTILITIES DEPARTMENT

Low-flow fixtures are available for free to our water customers. Stop by the lobby between 9:00 am and 3:00, Monday through Friday (except Holidays) to pick them up along with free shopping bags! Water conservation information is available at our web page under the Utilities drop-down menu: <http://www.lososocsd.org/cm/utilities/water-conservation.html>

DRAINAGE WDI # 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). In October the annual report was submitted for the 2014/2015 Fiscal Year. This is the second annual report since this new permit went into effect. Reporting is done through the State Water Board's Storm Water Multiple Application & Report Tracking System (SMARTS). Staff would not have met the deadline to submit the report without the assistance of the Wallace Group. Thank you Glenn!

We are under the influence of an El Niño. **Residents should be prepared to protect their property when rain is in the forecast.** There are sandbags for sale at the District office and Station 15-South Bay Fire Department on Bayview Heights Drive. We charge \$4.50 for a bundle of 10 or \$.45 each.

Free sand is available for Los Osos residents at Station 15-South Bay Fire Department at **2315 Bayview Heights Drive** and the Municipal Operations Facility at **953 El Moro Avenue** in Los Osos. Even when it isn't raining, trash, pesticides, animal excrement, and other pollutants can make their way to drainage systems then eventually out to the bay. Helpful tips are available on the District's Drainage web page: <http://www.losososcsd.org/cm/utilities/Drainage.html>

Rain measured at our operations facility between January 1st & December 31st

Month	Rainfall		Rainfall		Rainfall		Rainfall	
	Year	(Inches)	Year	(Inches)	Year	(Inches)	Year	(Inches)
January	2015	0.19	2014	0.00	2013	0.97	2012	1.70
February	2015	0.89	2014	3.61	2013	0.56	2012	0.26
March	2015	0.26	2014	1.34	2013	0.62	2012	2.19
April	2015	0.79	2014	1.03	2013	0.03	2012	2.28
May	2015	0.13	2014	0.00	2013	0.10	2012	0.00
June	2015	0.03	2014	0.00	2013	0.00	2012	0.00
July	2015	2.05	2014	0.00	2013	0.00	2012	0.00
August	2015	0.00	2014	0.00	2013	0.00	2012	0.00
September	2015	0.08	2014	0.00	2013	0.00	2012	0.00
October	2015	0.18	2014	1.21	2013	0.29	2012	1.17
November	2015		2014	1.56	2013	0.36	2012	1.03
December	2015		2014	4.93	2013	0.19	2012	2.89
Total		4.60		13.67		3.12		11.52

BAYRIDGE ESTATES WDID# 3 401027001

Crews continue monitoring and grounds keeping at this facility. Once connected to the Los Osos Wastewater Project, the District crews will no longer maintain the septic system.

VISTA DE ORO WDID# 3 401024001

Crews continue monitoring and grounds keeping at this facility. Once connected to the Los Osos Wastewater Project, the District crews will no longer maintain the septic system.

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

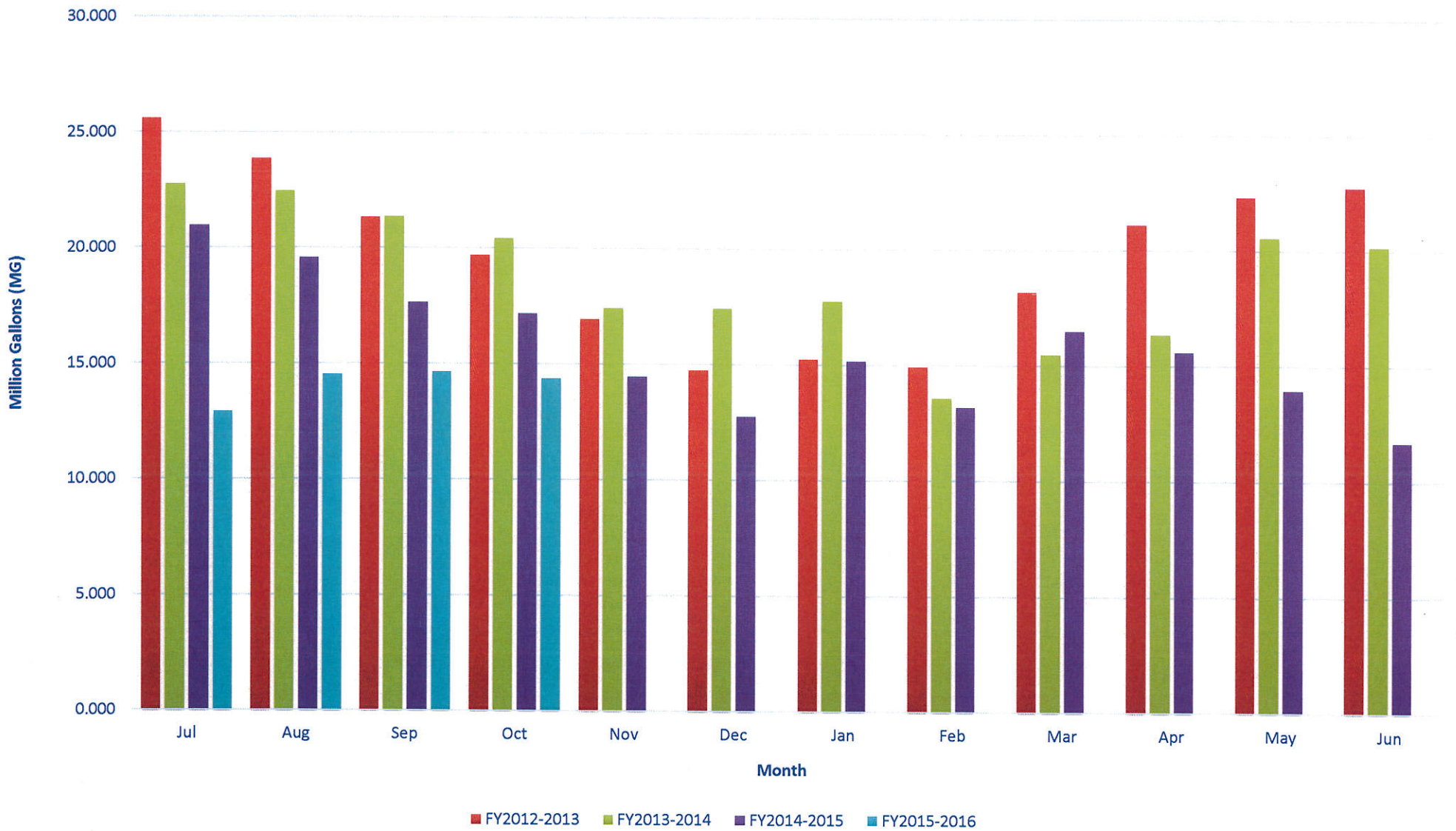
OCTOBER 2015	8th St./ El Moro Well	3rd St./ Bayside Well	10th St. Well	South Bay Well	South Bay Upper Well	Palisades Well	All Wells TOTAL	Last Years TOTAL	Percent% Differential
Total Gallons Produced, Mgal	4.4785	2.7532	4.3523	1.9346	0.7610	0.0772	14.3568	17.1691	-16.38%
Average Daily Flow, Mgal							0.4631		
Total Gallons to Waste (Filter Backwash), Mgal	0.0000			0.0000	0.0000		0.0000	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	4.4785			1.9346			14.3568	17.1691	-16.38%
Pump Runtime, total hours	217.7	656.9	236.8	677.4	340.4	35.9	2165.1	1339.5	38.13%
Daily Avg. Runtime, hours/day	7.0	21.2	7.6	21.9	11.0	1.2			
Energy Used, kWatts	8452	5223	9841	10393		1604	35513	36675	-3.17%
Eff. Ratio, kWatts/hr	38.82	7.95	41.56	15.34		44.68			
Chlorine Used, total gallons	64.5	28.7	25.2	29.6		11.2	159.2	185.8	-14.29%
Aqua Mag, pounds	62.8		5.0	0.0		20.8	88.6	157.4	-43.71%
Static water level, ft.	34.90	6.20	156.20	126.20	97.00	96.00			
Pump water level, ft.	136.20	54.15	246.20	185.10	120.00	228.60			
Draw-down level, ft.	101.30	47.95	90.00	58.90	23.00	132.60			
Gallons per minute	348	72	346	32	32	235			
Pressure, psi	92	80	35	62	62	56			

LOCSD Water Data

Water Production Data in Million Gallons				
	FY 12-13	FY 13-14	FY 14-15	FY 15-16
Jul	25.600	22.779	20.979	12.924
Aug	23.862	22.470	19.593	14.527
Sep	21.340	21.380	17.667	14.640
Oct	19.708	20.431	17.169	14.357
Nov	16.939	17.436	14.482	
Dec	14.747	17.431	12.759	
Jan	15.268	17.780	15.174	
Feb	14.940	13.584	13.171	
Mar	18.193	15.476	16.508	
Apr	21.118	16.354	15.591	
May	22.310	20.591	13.966	
Jun	22.743	20.179	11.731	
TOTAL	236.767	225.890	188.790	56.447

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

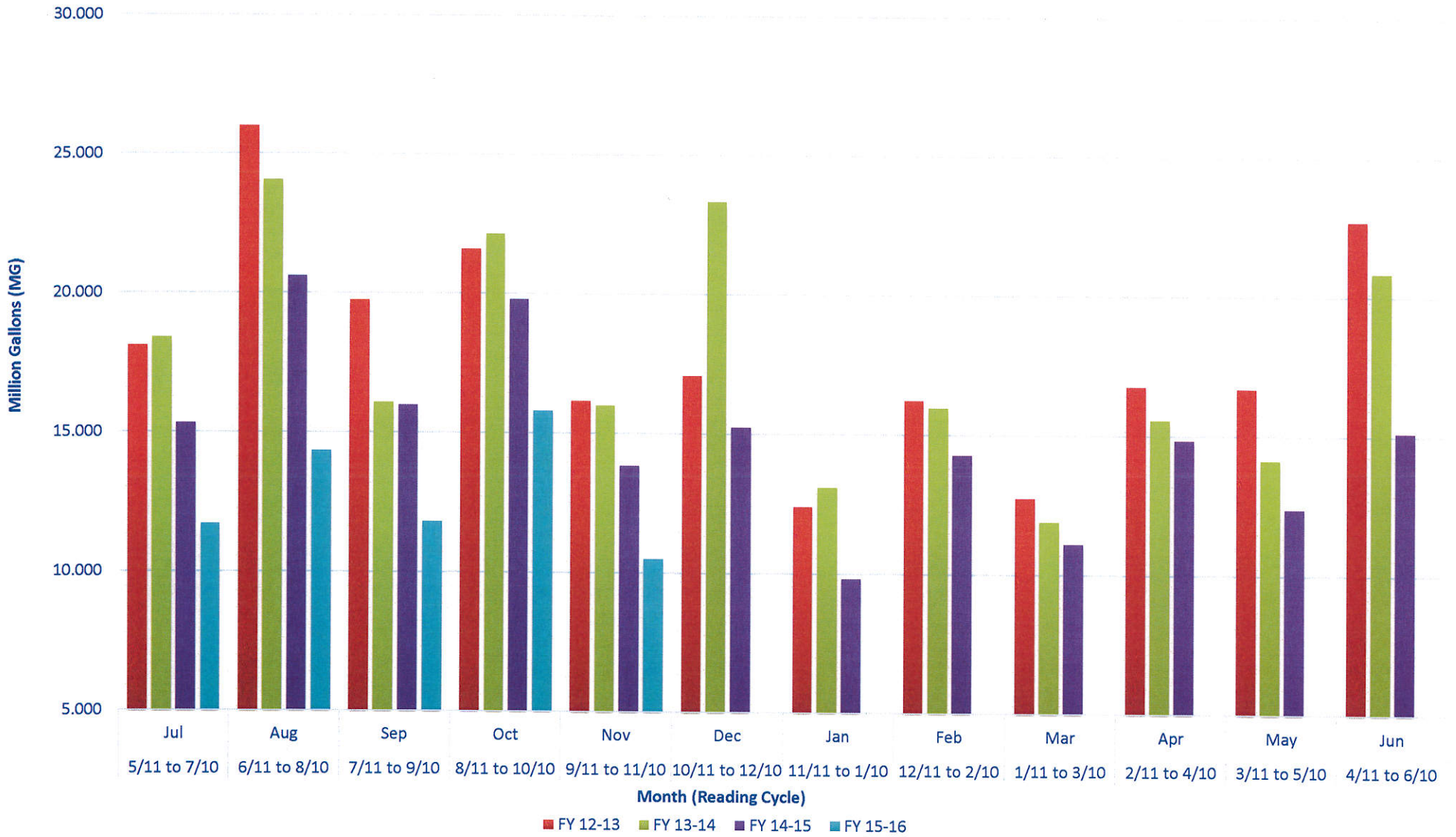


LOCSD Water Data

Water Consumption Data in Million Gallons						
% of Service Area	Billing Period		FY 12-13	FY 13-14	FY 14-15	FY 15-16
43	5/11 to 7/10	Jul	18.110	18.402	15.330	11.709
57	6/11 to 8/10	Aug	26.006	24.061	20.627	14.342
43	7/11 to 9/10	Sep	19.748	16.087	15.989	11.812
57	8/11 to 10/10	Oct	21.617	22.142	19.804	15.787
43	9/11 to 11/10	Nov	16.155	15.994	13.830	10.499
57	10/11 to 12/10	Dec	17.096	23.342	15.236	
43	11/11 to 1/10	Jan	12.406	13.105	9.828	
57	12/11 to 2/10	Feb	16.223	15.969	14.276	
43	1/11 to 3/10	Mar	12.737	11.886	11.079	
57	2/11 to 4/10	Apr	16.756	15.559	14.829	
43	3/11 to 5/10	May	16.686	14.131	12.367	
57	4/11 to 6/10	Jun	22.709	20.852	15.111	
		TOTAL	216.249	211.530	178.306	64.148

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

Historical to Present LOCSD 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
43	5/11 to 7/10	Jul	\$127,737.70	\$150,401.90	\$137,752.98	\$119,138.01
57	6/11 to 8/10	Aug	\$175,798.70	\$147,246.54	\$187,468.02	\$154,995.56
43	7/11 to 9/10	Sep	\$139,628.43	\$145,135.28	\$147,808.06	\$135,669.34
57	8/11 to 10/10	Oct	\$163,698.98	\$187,431.78	\$182,463.96	\$178,030.01
43	9/11 to 11/10	Nov	\$128,918.55	\$143,029.03	\$130,772.31	\$123,221.32
57	10/11 to 12/10	Dec	\$142,026.32	\$206,187.91	\$145,977.27	
43	11/11 to 1/10	Jan	\$104,328.08	\$120,500.40	\$99,970.19	
57	12/11 to 2/10	Feb	\$132,433.64	\$137,045.65	\$138,344.52	
43	1/11 to 3/10	Mar	\$95,487.96	\$111,475.31	\$109,092.25	
57	2/11 to 4/10	Apr	\$135,947.81	\$121,943.68	\$143,355.32	
43	3/11 to 5/10	May	\$133,939.00	\$128,784.61	\$120,013.25	
57	4/11 to 6/10	Jun	\$172,139.37	\$187,230.13	\$148,384.13	
		TOTAL	\$1,652,084.54	\$1,786,412.22	\$1,691,402.26	\$711,054.24

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 LOCSD Water Revenue Based on Billing

