



February 22, 2016

TO: LOCSD Board of Directors
FROM: Margaret Falkner, Utility Compliance Technician III *MLF*
SUBJECT: **Agenda Item 9B – 03/03/2016 Board Meeting**
 Utilities Department Report for January 2016

President
 Marshall E. Ochylski

Vice President
 Jon-Erik G. Storm

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

Interim General Manager
 Peter L. Kampa

District Accountant
 Michael L. Doyel

Fire Chief
 Robert Lewin

Battalion Chief
 Tom McEwan

Mailing Address:
 P.O. Box 6064
 Los Osos, CA 93412

Offices:
 2122 9th Street, Suite 102
 Los Osos, CA 93402

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

www.losososcscsd.org

WATER PRODUCTION & BILLING INFORMATION

The total production for the month of **January 2016** was approximately **11.3 million gallons (MG)** this equates to an average daily demand of 365,400 gallons. This represents a **decrease** in production from last year by approximately **25%**.

Using the state's formula to calculate residential usage per capita per day, for the month of January 2016 our residential customers used 48.7 gallons per person per day.

Fifty-seven percent of the service area received bills for approximately **11.8 MG** consumption for the period **December 10, 2015 through February 11, 2016**. This generated approximately **\$142,733** in revenue. This represents a **decrease** in consumption by approximately **18%** and an **increase** in revenue by approximately **3%** when compared to last year at this time.

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 **January 2016**. Totals for last year are included for comparison:

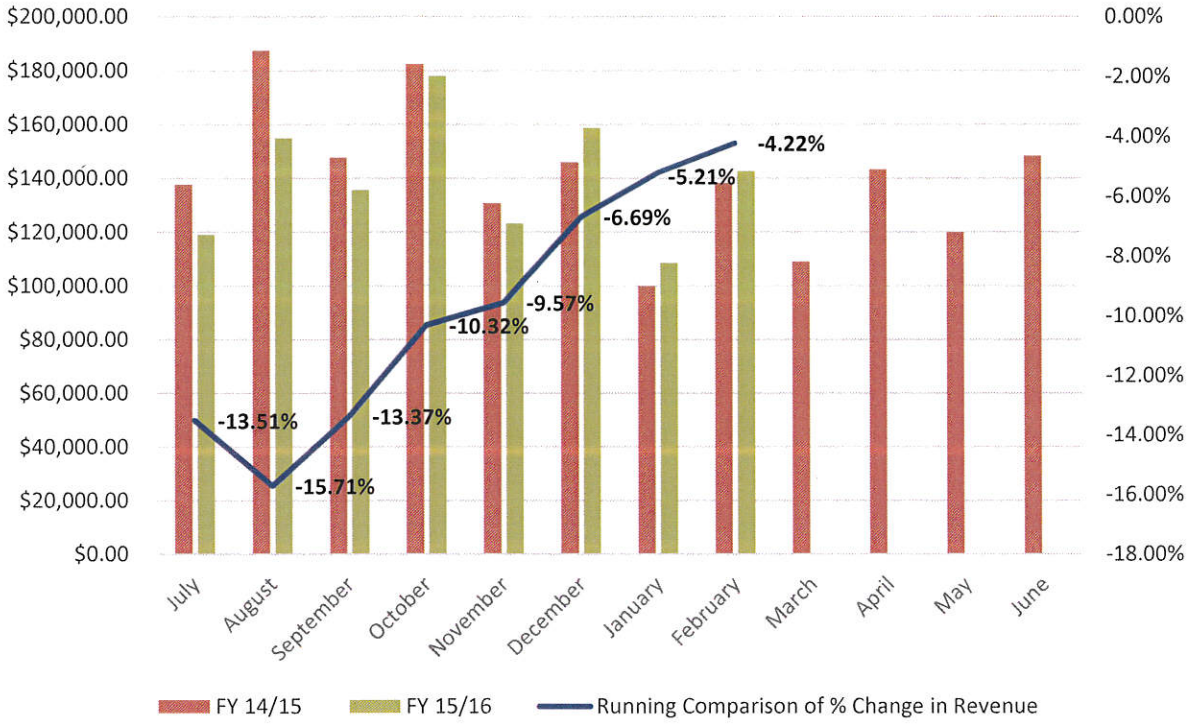
Production (MG) January	2016	2015
Palisades	0.0934	0.0000
3 rd Street/Bayside	0.0000	2.9965
8 th Street/El Moro	4.2378	4.6738
10 th Street	4.1491	6.0667
South Bay (lower)	1.9945	1.4372
South Bay (upper)	0.8540	0.0000
TOTAL:	11.3288	15.1742

Runtime (Hours) January	2016	2015
Palisades	41.7	0.0
3 rd Street/Bayside	0.0	702.1
8 th Street/El Moro	206.4	225.4
10 th St	219.2	321.5
South Bay (lower)	700.8	504.5
South Bay (upper)	378.7	0.0
TOTAL:	1546.8	1753.5

Please refer to the attached January 2016 "Well Log Summaries" for more data.

The water service area residents are doing a phenomenal job in implementing water conservation measures. Along with conservation comes the corresponding reduction in revenue. The LOCSO Water Financial Plan & Rate Study (Plan) was presented in December 2014 and the rates were approved at the public hearing conducted on February 5, 2015. The Plan's projected revenue increase is 12.5% for the fiscal year 2015/2016. Provided below is a graph of monthly revenue with a line depicting the cumulative change in revenue since the July 1, 2015 increase.

LOCSO Revenue Comparison From Water Billing
FY 14/15 vs FY 15/16

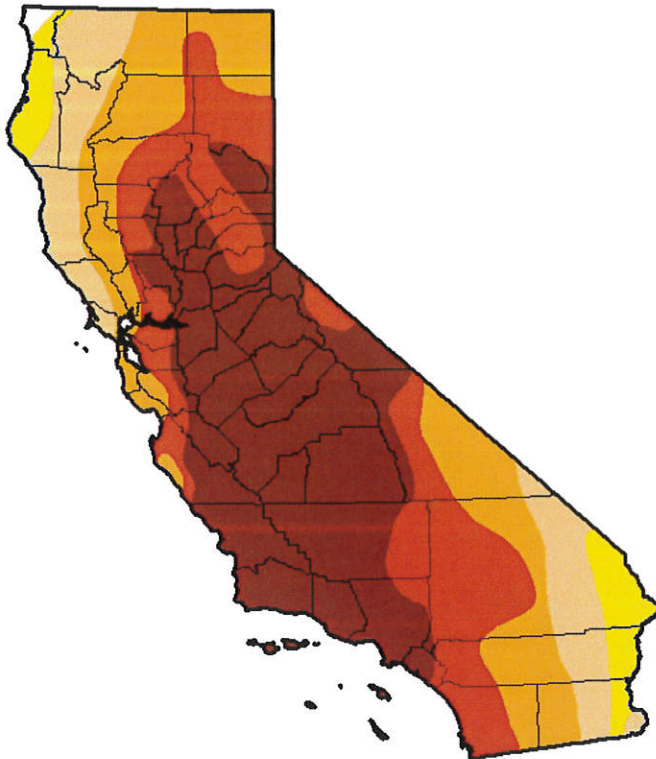


Month	FY 14/15	FY 15/16	Monthly Change FY14/15 - FY15/16	Running Comparison of % Change in Revenue
July	\$137,752.98	\$119,138.01	-13.51%	-13.51%
August	\$187,468.02	\$154,995.56	-17.32%	-15.71%
September	\$147,808.06	\$135,669.34	-8.21%	-13.37%
October	\$182,463.96	\$178,030.01	-2.43%	-10.32%
November	\$130,772.31	\$123,221.32	-5.77%	-9.57%
December	\$145,977.27	\$158,798.89	8.78%	-6.69%
January	\$99,970.19	\$108,532.26	8.56%	-5.21%
February	\$138,344.52	\$142,733.88	3.17%	-4.22%
March	\$109,092.25			
April	\$143,355.32			
May	\$120,013.25			
June	\$148,384.13			
TOTAL	\$1,691,402.26	\$1,121,119.27		

Despite the recent rainfall the drought continues. Below is the U.S. Drought Monitor for California.

U.S. Drought Monitor California

February 16, 2016
(Released Thursday, Feb. 18, 2016)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.29	99.71	94.69	81.82	61.40	38.48
Last Week <i>2/9/2016</i>	0.22	99.78	94.77	81.82	61.40	38.48
3 Months Ago <i>11/17/2015</i>	0.14	99.86	97.33	92.26	70.55	44.84
Start of Calendar Year <i>12/29/2015</i>	0.00	100.00	97.33	87.55	69.07	44.84
Start of Water Year <i>9/29/2015</i>	0.14	99.86	97.33	92.36	71.08	46.00
One Year Ago <i>2/17/2015</i>	0.16	99.84	98.10	93.44	67.46	41.20

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:

*Eric Luebbehusen
U.S. Department of Agriculture*



<http://droughtmonitor.unl.edu/>

DRAINAGE WDID # 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).

We continue to be 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 on a self-service basis 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>

Rainfall for the month of January 2016 exceeded rainfall for the entire year of 2013 at our water operations facility. The table is displayed below.

Rain measured at the Water Operations Facility between January 1st & December 31st

Month	Year	Rainfall (Inches)	Year	Rainfall (Inches)	Year	Rainfall (Inches)	Year	Rainfall (Inches)
January	2016	3.86	2015	0.19	2014	0.00	2013	0.97
February	2016		2015	0.89	2014	3.61	2013	0.56
March	2016		2015	0.26	2014	1.34	2013	0.62
April	2016		2015	0.79	2014	1.03	2013	0.03
May	2016		2015	0.13	2014	0.00	2013	0.10
June	2016		2015	0.03	2014	0.00	2013	0.00
July	2016		2015	2.05	2014	0.00	2013	0.00
August	2016		2015	0.00	2014	0.00	2013	0.00
September	2016		2015	0.08	2014	0.00	2013	0.00
October	2016		2015	0.18	2014	1.21	2013	0.29
November	2016		2015	1.33	2014	1.56	2013	0.36
December	2016		2015	1.86	2014	4.93	2013	0.19
Total		<u>3.86</u>		<u>7.79</u>		<u>13.67</u>		<u>3.12</u>

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. A claim was filed with Golden State Water Company's insurance provider at the beginning of November. The total amount came to \$109,848.36. Payment to the District should be received soon.

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

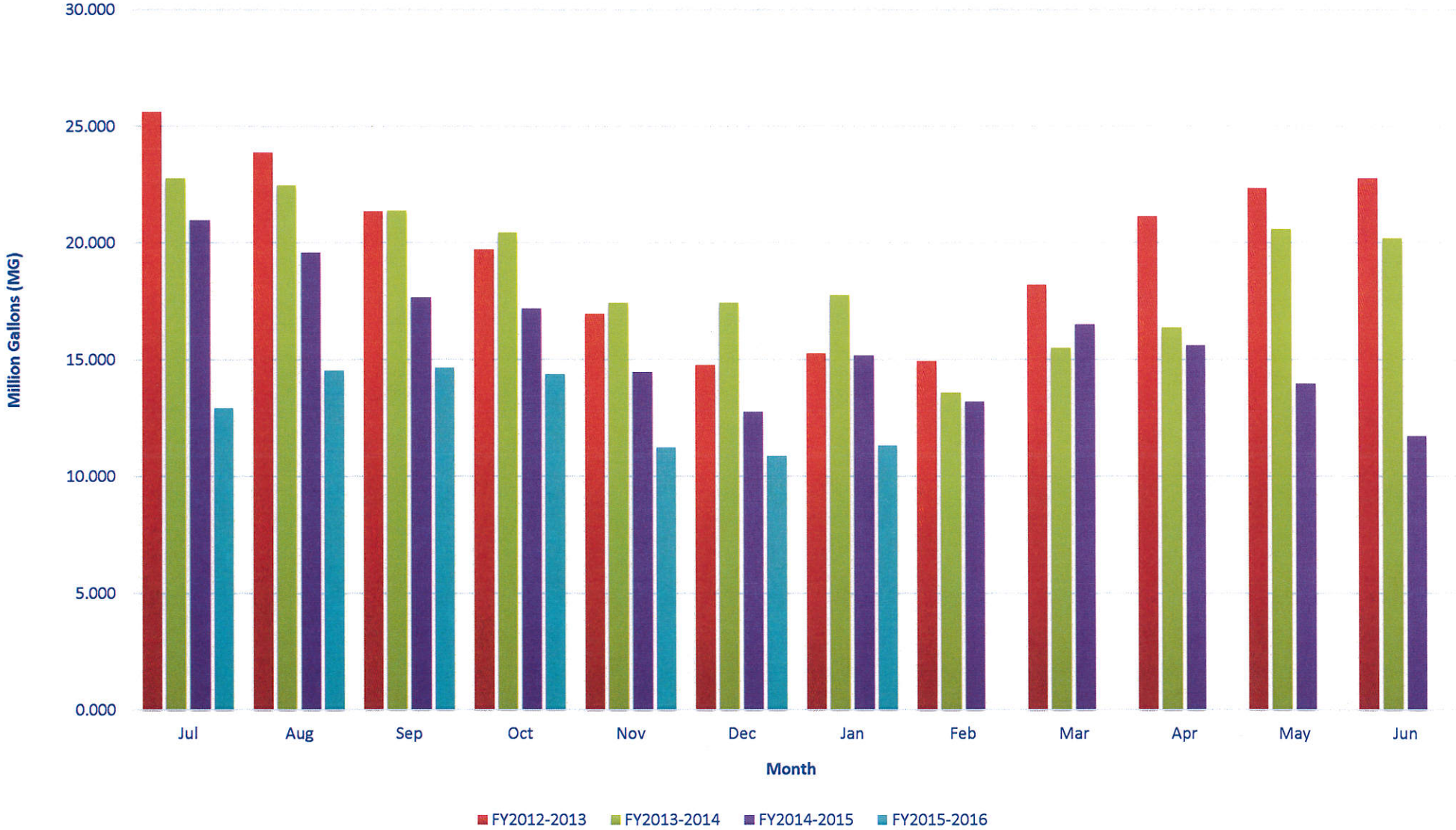
JANUARY 2016	8th St./ EI Moro Well	3rd St./ Bayside Well	10th St. Well	South Bay Well	South Bay Upper Well	Palisades Well	All Wells TOTAL	Last Years TOTAL	Percent% Differential
Total Gallons Produced, Mgal	4.2378	0.0000	4.1491	1.9945	0.8540	0.0934	11.3288	15.1742	-25.34%
Average Daily Flow, Mgal							0.3654	0.4895	
Total Gallons to Waste (Filter Backwash), Mgal	0.0000			0.0000	0.0000		0.0000	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	4.2378			1.9945			11.3288	15.1742	-25.34%
Pump Runtime, total hours	206.4	0.0	219.2	700.8	378.7	41.7	1546.8	1753.5	-13.36%
Daily Avg. Runtime, hours/day	6.7	0.0	7.1	22.6	12.2	1.3			
Energy Used, kWatts	8028	34	9359	10644		1644	29709	33457	-11.20%
Eff. Ratio, kWatts/hr	38.90	0.00	42.70	15.19		39.42			
Chlorine Used, total gallons	61.5	0.0	30.8	100.4		11.0	203.6	159.5	27.67%
Aqua Mag, pounds	32.6		0.0	0.0		8.6	41.2	136.2	-69.75%
Static water level, ft.	32.80	3.50	150.10	122.40	93.60	91.20			
Pump water level, ft.	134.20	0.00	250.90	174.80	110.20	222.20	3rd St. Well out of service.		
Draw-down level, ft.	101.40	0.00	100.80	52.40	16.60	131.00			
Gallons per minute	335	0	318	52	28	336			
Pressure, psi	92	0	40	63	63	58			

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	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	
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	89.922

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 Well Production Data

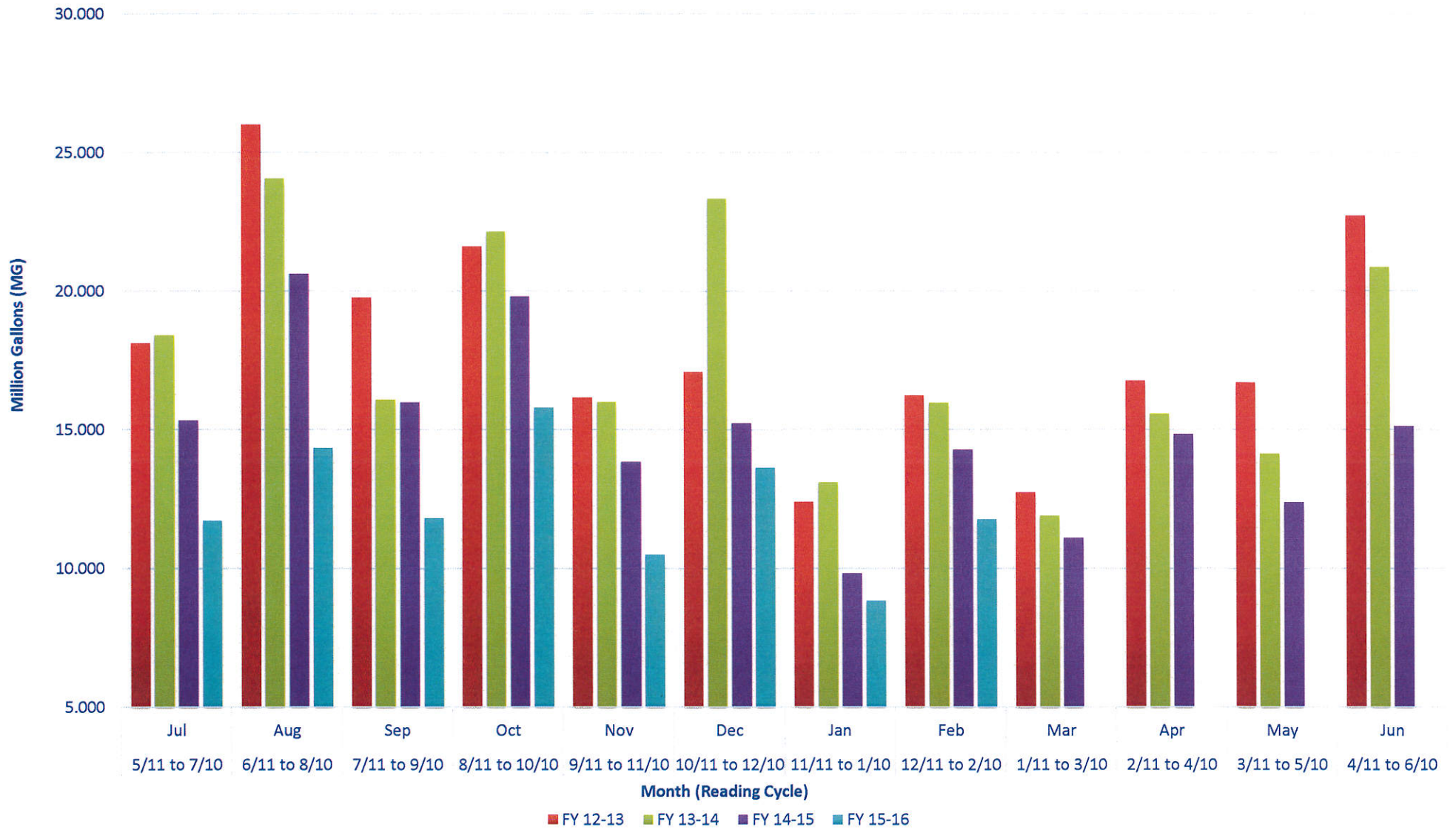


LOCSD Water Data

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	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	
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	98.406

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
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	\$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	
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	\$1,121,119.27

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

