



September 29, 2016

TO: LOCSD Board of Directors

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

SUBJECT: **Agenda Item 9B – 10/6/2016 Special Board Meeting**
Utilities Department Report for **August 2016**

WATER PRODUCTION & BILLING INFORMATION

The total production for the month of **August 2016** was approximately **16.5 million gallons (MG)** this equates to an average daily demand of 531,400 gallons. This represents an **increase** in production from last year by approximately **13%**.

Using the state's formula to calculate residential usage per capita per day, for the month of **August 2016** our residential customers used **71** gallons per person per day. Staff believes there are a combination of factors for the increased per capita use. One factor is that we don't know how many residents are using their own drinking water when hooking up to the sewer. Another factor to consider is the increase in vacation rentals during the summertime.

Forty-three percent of the service area received bills for approximately **12.8 MG** consumption for the period **July 8, 2016 through September 13, 2016**. This generated approximately **\$163,853** in revenue. This represents an **increase** in consumption by approximately **9%** and an **increase** in revenue by approximately **21%** in comparison 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 **August 2016**. Totals for last year are included for comparison:

Production (MG) August	2016	2015
Palisades	4.4330	0.1430
3 rd Street/Bayside	0.0000	2.8686
8 th Street/El Moro	4.7934	4.4749
10 th Street	4.2491	4.7753
South Bay (lower)	2.0121	1.6918
South Bay (upper)	0.9870	0.5730
TOTAL:	16.4746	14.5266

Runtime (Hours) August	2016	2015
Palisades	214.1	49.1
3 rd Street/Bayside	0.0	682.5
8 th Street/El Moro	268.2	217.9
10 th St	235.9	259.7
South Bay (lower)	723.2	592.4
South Bay (upper)	437.4	256.9
TOTAL:	1878.8	2058.5

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For more information the August 2016 Well Log Summary page is attached.

32nd COASTAL CLEANUP STATISTICS

The San Luis Obispo County Coastal Cleanup Day resulted in 1,194 volunteers picking up 5,445.1 pounds of trash and 1,067.1 pounds of recyclables for a total of 6,512.2 pounds of debris removed from the coast. This effort collected even more than the event last year. Here is a link to more detail if you're interested. <http://ecoslo.org/2016-coastal-cleanup-day-results/>

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). The annual report will be submitted electronically in October 2016 for the third year of this permit. The annual report is due October 15th each year for operations of the fiscal year which ended June 30th of the same year.

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.losososcscsd.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 semi-annual report was provided to the Regional Water Quality Control Board in May 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.

VISTA DE ORO WDID# 3 401024001

This subdivision was hooked up to the LOWWP collection system in April 2016. A semi-annual report was provided to the Regional Water Quality Control Board in May 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.

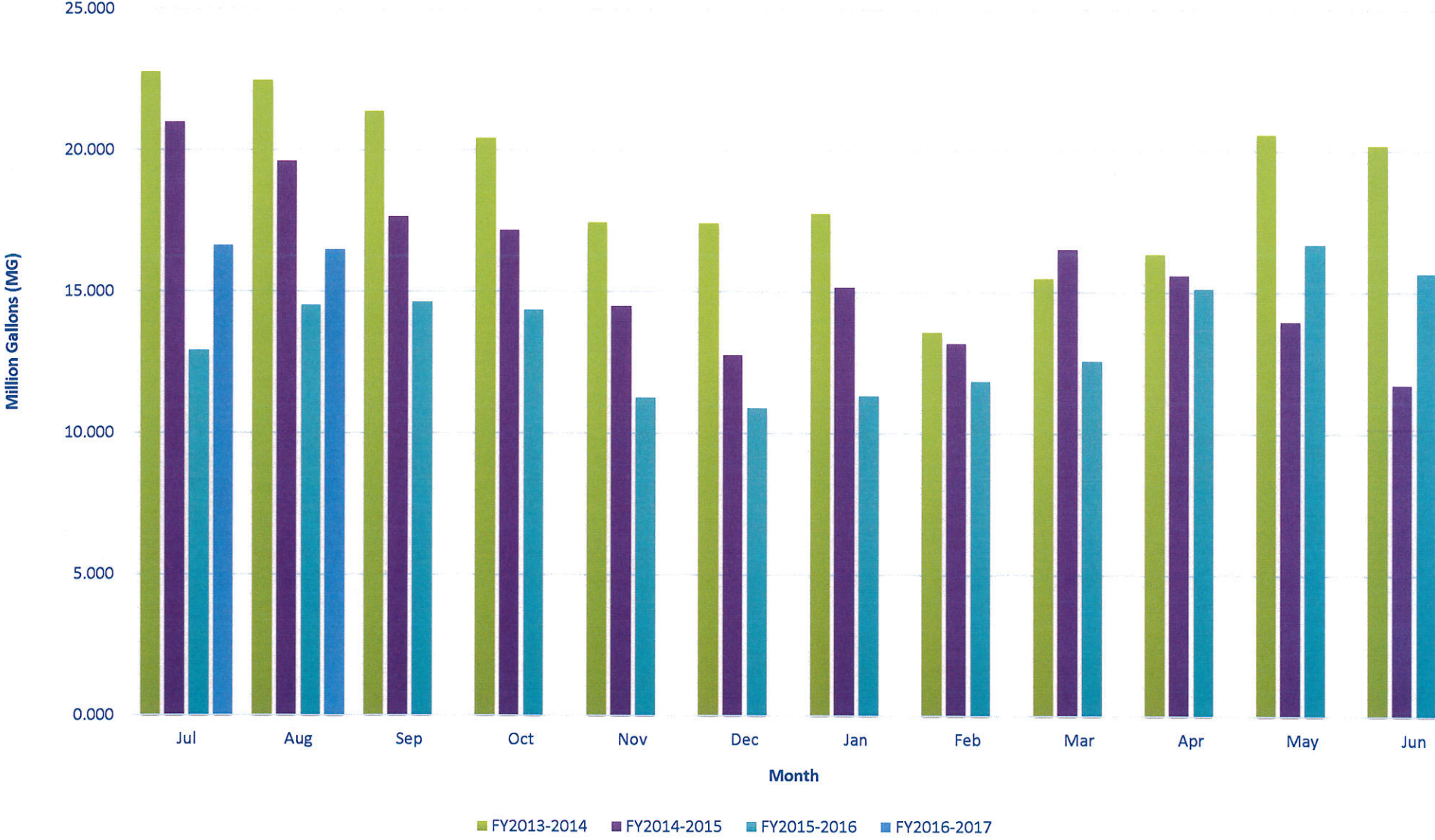
RECOMMENDATION

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

AUGUST 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	4.7934	0.0000	4.2491	2.0121	0.9870	4.4330	16.4746	14.5266	13.41%
Average Daily Flow, Mgal							0.5314		
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	4.7934			2.0121			16.4746	14.5266	13.41%
Pump Runtime, total hours	268.2	0.0	235.9	723.2	437.4	214.1	1878.8	2058.5	-9.56%
Daily Avg. Runtime, hours/day	8.7	0.0	7.6	23.3	14.1	6.9			
Energy Used, kWatts	10925	32	9735	11522		7295	39509	36120	9.38%
Eff. Ratio, kWatts/hr	40.73	0.00	41.27	15.93		34.07			
Chlorine Used, total gallons	64.2	0.0	36.6	35.9		40.0	176.7	171.3	3.16%
Aqua Mag, pounds	37.6		0.0	0.0		38.4	76.0	20.2	276.24%
Static water level, ft.	36.10	4.20	155.80	125.60	96.70	104.15			
Pump water level, ft.	150.50	0.00	0.00	192.60	0.00	198.48	3rd St. Well Out of Service		
Draw-down level, ft.	114.40	0.00	0.00	67.00	0.00	94.33			
Gallons per minute	390	0	0	0	0	340			
Pressure, psi	94	0	0	60	0	52			

Historical to Present LOCSO Well Production Data

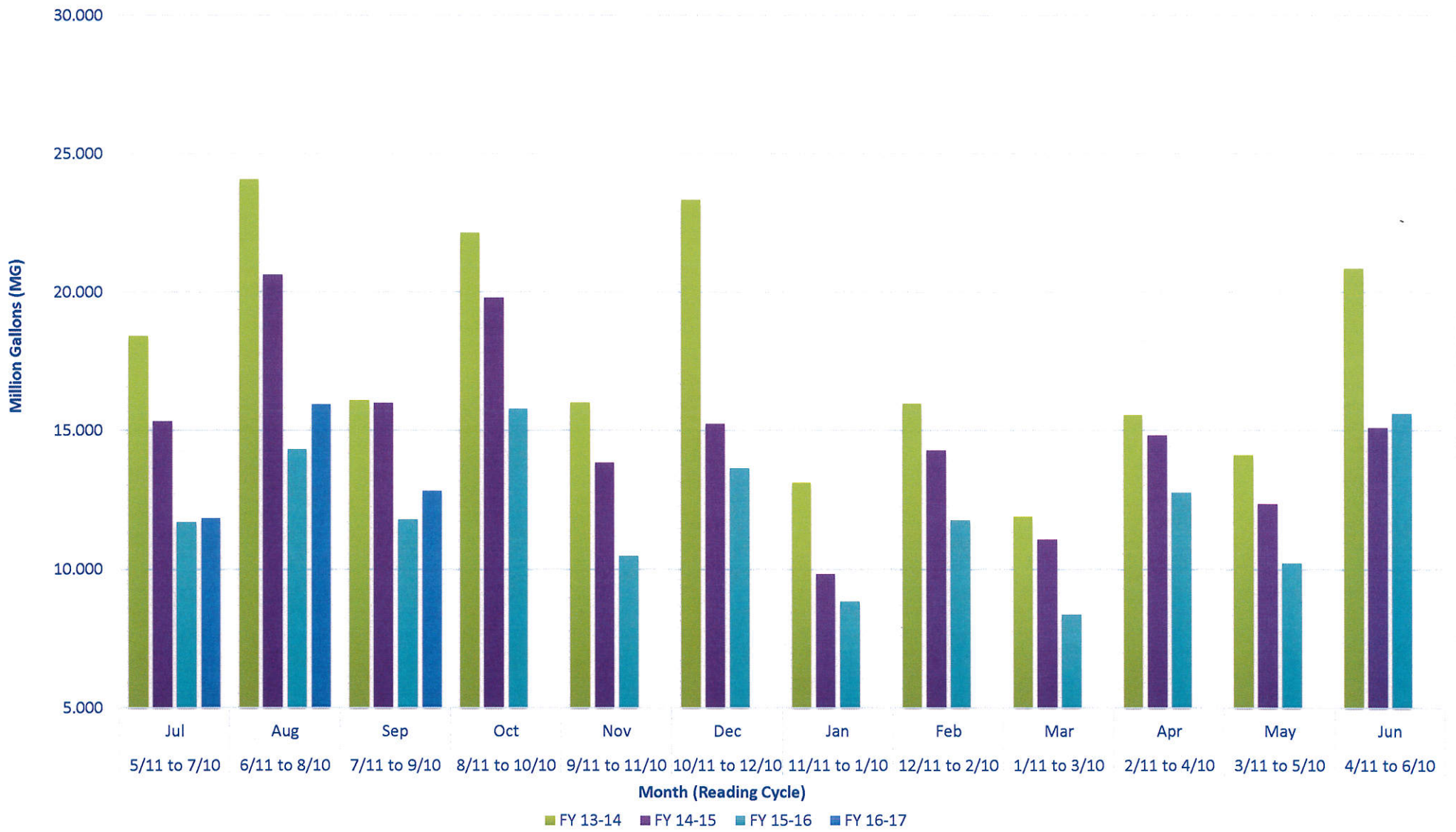


LOCSD Water Data

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	
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	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	33.115

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 Consumption Based on Billing

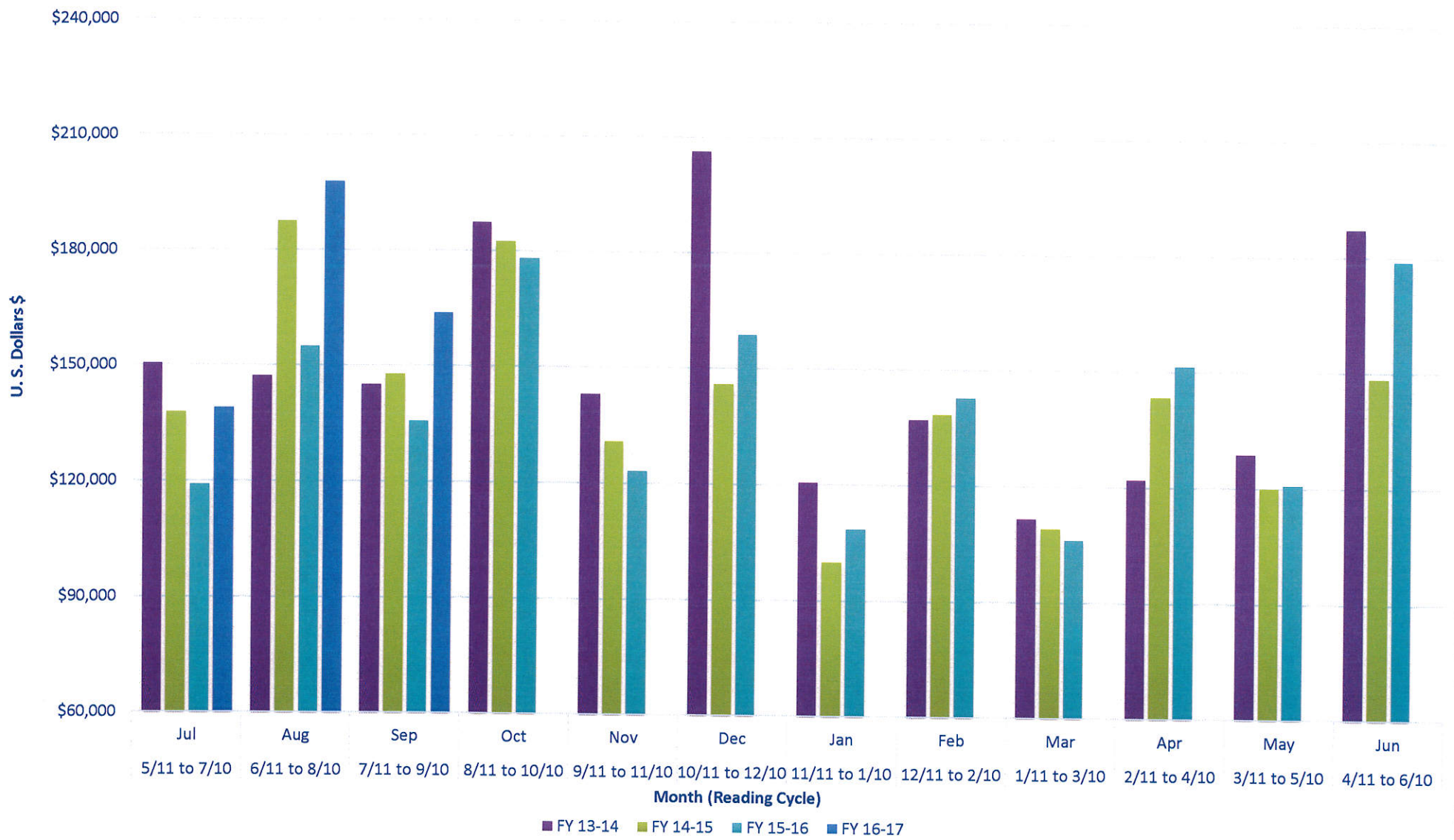


LOCSD Water Data

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	
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	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	40.630

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Historical to Present LOCSD Water Revenue 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	
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	\$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	\$500,591.96

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