



July 27, 2016

TO: LOCSD Board of Directors
FROM: Margaret Falkner, Utility Compliance Technician III
SUBJECT: **Agenda Item 9B – 08/04/2016 Board Meeting**
Utilities Department Report for June 2016

MZF

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WATER PRODUCTION & BILLING INFORMATION

The total production for the month of **June 2016** was approximately **15.7 million gallons (MG)** this equates to an average daily demand of 522,500 gallons. This represents an **increase** in production from last year by approximately **34%**.

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

Forty-three percent of the service area received bills for approximately **11.9 MG** consumption for the period **May 10, 2016 through July 11, 2016**. This generated approximately **\$139,017** in revenue. This represents an **increase** in consumption by approximately **1.8%** and an **increase** in revenue by approximately **17%** 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 **June 2016**. Totals for last year are included for comparison:

Production (MG) June	2016	2015
Palisades	2.9481	0.3343
3 rd Street/Bayside	0.0000	2.6846
8 th Street/El Moro	4.4904	3.0015
10 th Street	5.5119	2.9961
South Bay (lower)	1.9594	1.7182
South Bay (upper)	0.7640	0.9960
TOTAL:	15.6738	11.7307

Runtime (Hours) June	2016	2015
Palisades	139.9	122.4
3 rd Street/Bayside	0.0	642.1
8 th Street/El Moro	267.6	147.0
10 th St	305	161.1
South Bay (lower)	686.7	601.2
South Bay (upper)	341.9	449.2
TOTAL:	1741.1	2123.0

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

CONSUMER CONFIDENCE REPORT

All Customers in the LCOSD Water Service Area were mailed the annual water quality report prior to the July 1, 2016 deadline. It is available on our website: <http://www.losososcsd.org/water-quality-250d6ce>

WATER RATE INCREASE EFFECTIVE JULY 1, 2016

The rates will increase on July 1, 2016 in accordance with our Water Financial Plan & Rate Study adopted on February 5, 2015 by our Board of Directors. The new rate sheet is attached.

32ND ANNUAL CALIFORNIA COASTAL CLEANUP DAY SEPTEMBER 17, 2016

Join the Environmental Center of San Luis Obispo (ECO SLO) and the California Coastal Commission by volunteering three hours of your time cleaning up the coastline. The LCOSD provides a \$250 Sea Star Sponsorship each year. This year's event will be held on Saturday, September 17, 2016 from 9:00 am until noon at various locations between San Simeon and Oceano. Past support helped ECO SLO engage nearly 1,000 community volunteers who removed 5,400 pounds of trash and recyclables from 30 locations throughout San Luis Obispo County. Volunteer for a spot in Los Osos at Baywood Pier, Montana de Oro State Park Sandspit or Spooners Cove. Locations and more details are provided on their web site: <http://ecoslo.org/coastal-cleanup-day/>

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.

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/drainage-e293b4b>

BAYRIDGE ESTATES WDID# 3 401027001

Crews continued monitoring and grounds keeping at this facility. 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. Transfer of the collection system to the County of San Luis Obispo is another item on this agenda.

VISTA DE ORO WDID# 3 401024001

Crews continued monitoring and grounds keeping at this facility. 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. Transfer of the collection system to the County of San Luis Obispo is another item on this agenda.

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

JUNE 2016	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	4.4904	0.0000	5.5119	1.9594	0.7640	2.9481	15.6738	11.7307	33.61%
Average Daily Flow, Mgal							0.5225		
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	4.4904			1.9594			15.6738	11.7307	33.61%
Pump Runtime, total hours	267.6	0.0	305.0	686.7	341.9	139.9	1741.1	2123	-21.93%
Daily Avg. Runtime, hours/day	8.9	0.0	10.2	22.9	11.4	4.7			
Energy Used, kWatts	10741	31	11796	10419		4880	37867	34611	9.41%
Eff. Ratio, kWatts/hr	40.14	0.00	38.68	15.17		34.88			
Chlorine Used, total gallons	63.4	0.0	44.4	33.2		17.7	158.8	176.9	-10.24%
Aqua Mag, pounds	55.2		1.0	0.0		26.0	82.2	138.2	-40.52%
Static water level, ft.	47.20	4.60	157.40	124.60	0.00	99.50			
Pump water level, ft.	122.30	0.00	244.90	181.80	0.00	196.20	3rd St. Well out of service.		
Draw-down level, ft.	75.10	0.00	87.50	57.20	0.00	96.70			
Gallons per minute	291	0	352	55	0	274			
Pressure, psi	89	0	36	64	0	50			

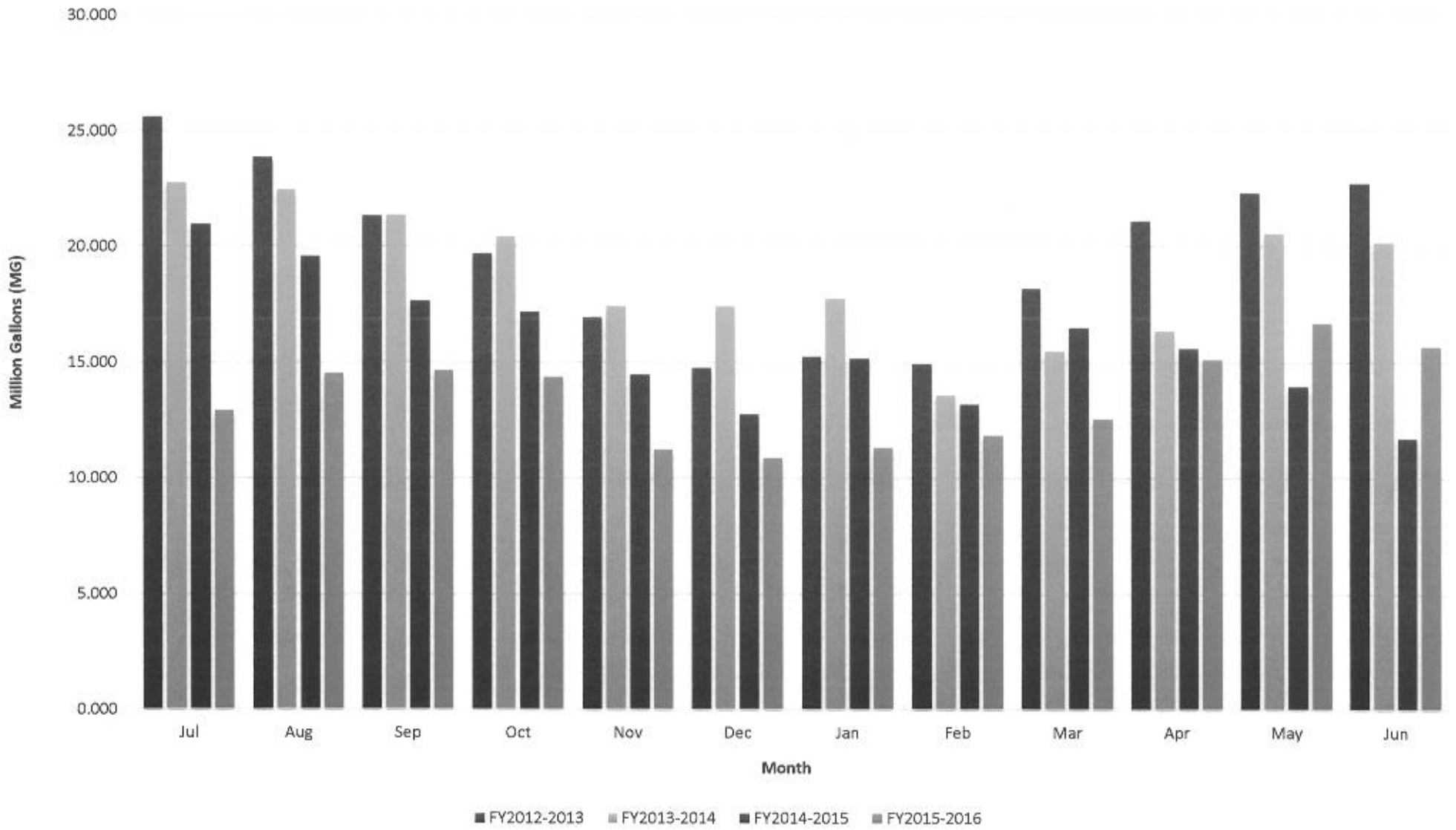
Well Log Summaries

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	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

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 Well Production Data

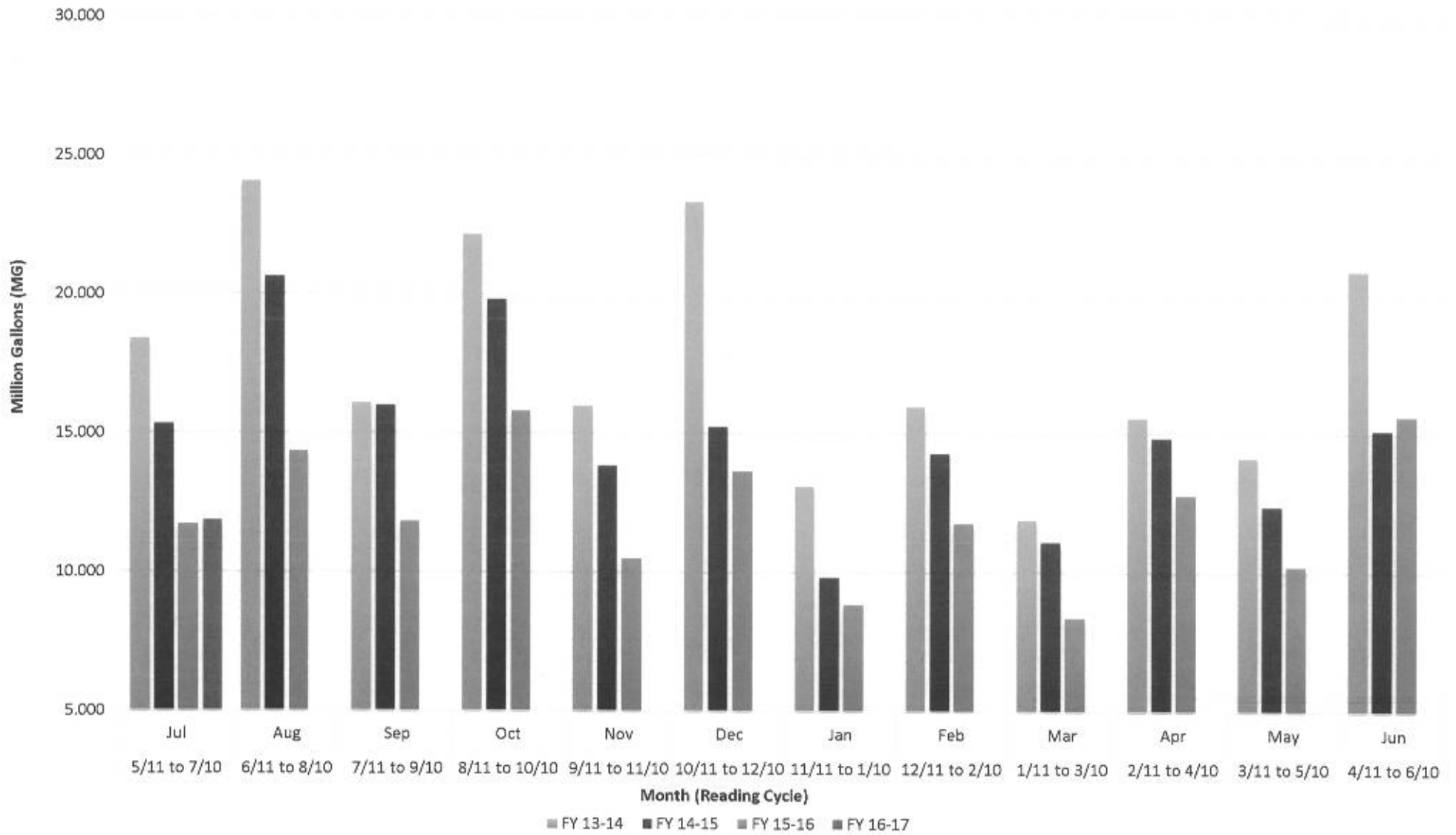


LOCSD Water Data

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	
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	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	11.849

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



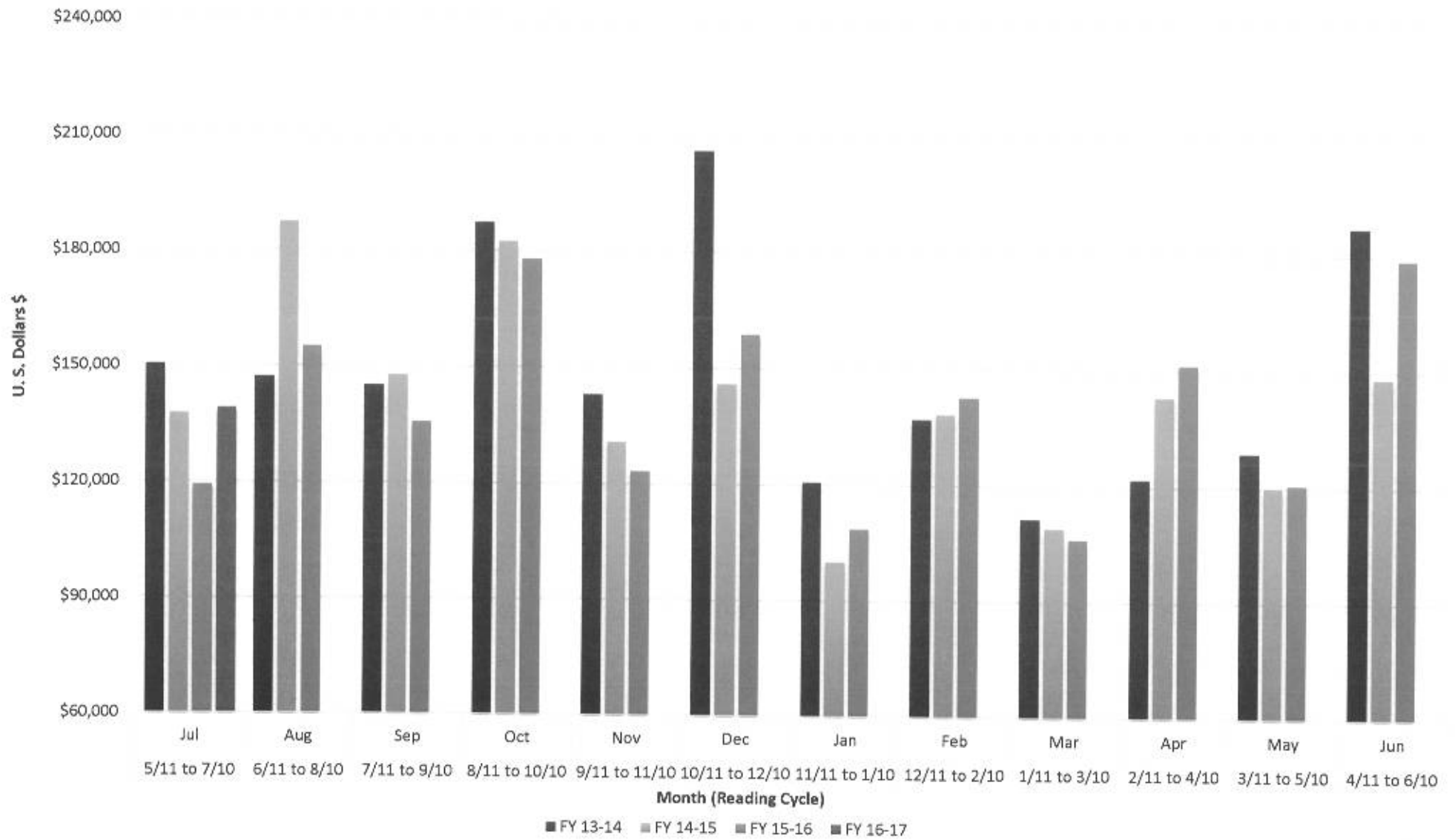
LOCSD Water Data

Water Revenue Data

% of Service							
Area	Billing Period		FY 12-13	FY 13-14	FY 14-15	FY 15-16	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	
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	\$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	\$139,017.75

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





LOS OSOS COMMUNITY SERVICES DISTRICT BI-MONTHLY WATER RATES AS OF 7/1/2016

MINIMUM CHARGE		CCF	AMOUNT	CCF	AMOUNT	CCF	AMOUNT
CCF	AMOUNT						
0 units	\$59.32	38	\$326.17	81	\$721.77	124	\$1,117.37
\$2.35/CCF		39	\$335.37	82	\$730.97	125	\$1,126.57
1	\$61.67	40	\$344.57	83	\$740.17	126	\$1,135.77
2	\$64.02	41	\$353.77	84	\$749.37	127	\$1,144.97
3	\$66.37	42	\$362.97	85	\$758.57	128	\$1,154.17
4	\$68.72	43	\$372.17	86	\$767.77	129	\$1,163.37
5	\$71.07	44	\$381.37	87	\$776.97	130	\$1,172.57
ADDITIONAL \$4.40/CCF		45	\$390.57	88	\$786.17	131	\$1,181.77
6	\$75.47	46	\$399.77	89	\$795.37	132	\$1,190.97
7	\$79.87	47	\$408.97	90	\$804.57	133	\$1,200.17
8	\$84.27	48	\$418.17	91	\$813.77	134	\$1,209.37
9	\$88.67	49	\$427.37	92	\$822.97	135	\$1,218.57
10	\$93.07	50	\$436.57	93	\$832.17	136	\$1,227.77
ADDITIONAL \$6.75/CCF		51	\$445.77	94	\$841.37	137	\$1,236.97
11	\$99.82	52	\$454.97	95	\$850.57	138	\$1,246.17
12	\$106.57	53	\$464.17	96	\$859.77	139	\$1,255.37
13	\$113.32	54	\$473.37	97	\$868.97	140	\$1,264.57
14	\$120.07	55	\$482.57	98	\$878.17	141	\$1,273.77
15	\$126.82	56	\$491.77	99	\$887.37	142	\$1,282.97
16	\$133.57	57	\$500.97	100	\$896.57	143	\$1,292.17
17	\$140.32	58	\$510.17	101	\$905.77	144	\$1,301.37
18	\$147.07	59	\$519.37	102	\$914.97	145	\$1,310.57
19	\$153.82	60	\$528.57	103	\$924.17	146	\$1,319.77
20	\$160.57	61	\$537.77	104	\$933.37	147	\$1,328.97
ADDITIONAL \$9.20/CCF		62	\$546.97	105	\$942.57	148	\$1,338.17
21	\$169.77	63	\$556.17	106	\$951.77	149	\$1,347.37
22	\$178.97	64	\$565.37	107	\$960.97	150	\$1,356.57
23	\$188.17	65	\$574.57	108	\$970.17	151	\$1,365.77
24	\$197.37	66	\$583.77	109	\$979.37	152	\$1,374.97
25	\$206.57	67	\$592.97	110	\$988.57	153	\$1,384.17
26	\$215.77	68	\$602.17	111	\$997.77	154	\$1,393.37
27	\$224.97	69	\$611.37	112	\$1,006.97	155	\$1,402.57
28	\$234.17	70	\$620.57	113	\$1,016.17	156	\$1,411.77
29	\$243.37	71	\$629.77	114	\$1,025.37	157	\$1,420.97
30	\$252.57	72	\$638.97	115	\$1,034.57	158	\$1,430.17
31	\$261.77	73	\$648.17	116	\$1,043.77	159	\$1,439.37
32	\$270.97	74	\$657.37	117	\$1,052.97	160	\$1,448.57
33	\$280.17	75	\$666.57	118	\$1,062.17	161	\$1,457.77
34	\$289.37	76	\$675.77	119	\$1,071.37	162	\$1,466.97
35	\$298.57	77	\$684.97	120	\$1,080.57	163	\$1,476.17
36	\$307.77	78	\$694.17	121	\$1,089.77	164	\$1,485.37
37	\$316.97	79	\$703.37	122	\$1,098.97	165	\$1,494.57
		80	\$712.57	123	\$1,108.17	166	\$1,503.77

Conversion:

CCF is defined as 100 cubic feet which is equal to 748 gallons

Usage x 748 gallons ÷ 60 = Average Daily Use (gallons)