



February 21, 2017

TO: LOCSD Board of Directors

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

SUBJECT: **Agenda Item 9C – 03/02/2017 Regular Board Meeting**
Utilities Department Report for **January 2017**

President
Jon-Erik G. Storm

Vice President
Vicki L. Milledge

Directors
Charles L. Cesena
Marshall E. Ochylski
Louis G. Tornatzky

General Manager
Renee Osborne

District Accountant
Robert Stilts, CPA

Unit Chief
Scott M. Jalbert

Battalion Chief
Josh Taylor

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.losososcsd.org

WATER PRODUCTION INFORMATION

The total production for the month of **January 2017** was approximately **12.3 million gallons (MG)** this equates to an average daily demand of 395,100 gallons. This represents an **increase** in production from last year by approximately **8%**.

Using the state's formula to calculate residential usage per capita per day, for the month of **January 2017** our residential customers used **53** 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 **January 2017**. Totals for last year are included for comparison:

Production (MG) January	2017	2016
Palisades	2.0360	0.0934
3 rd Street/Bayside	0.0000	0.0000
8 th Street/El Moro	4.1531	4.2378
10 th Street	3.4163	4.1491
South Bay (lower)	2.0306	1.9945
South Bay (upper)	0.6110	0.8540
TOTAL:	12.2470	11.3288

Runtime (Hours) January	2017	2016
Palisades	84.2	41.7
3 rd Street/Bayside	0.0	0.0
8 th Street/El Moro	183.0	206.4
10 th St	185.1	219.2
South Bay (lower)	712.5	700.8
South Bay (upper)	271.4	378.7
TOTAL:	1436.2	1546.8

WATER BILLING INFORMATION

Fifty-seven percent of the service area received bills for approximately **10.4 MG** consumption for the period **December 12, 2016 through February 8, 2017**. This generated approximately **\$149,016** in revenue. This represents a **decrease** in consumption by approximately **12%** and an **increase** in revenue by approximately **4%** in comparison to last year at this time.

Enclosed is the well summary sheet for January 2017 along with other graphs and tables for production, consumption and revenues.

UTILITIES DEPARTMENT OPERATIONS AND MAINTENANCE

During the month of January 2017, crew provided weekly water sampling, read water meters, marked areas in compliance with Underground Service Alerts (USA), did grounds keeping at well sites, equipment maintenance, submitted the monthly report to the state, and recorded monthly well soundings. In addition to these duties, crew upgraded a water service line, worked on several drainage pumps, checked drain inlets, performed grounds keeping at drainage basins, met with contractors, and pruned a tree. The crew leader provided a shut down for the inter-tie project on January 13, 2017 at 3:00 am. This was done to minimize the impact to commercial customers.

RAINFALL TOTALS

The County has a new link to rain and reservoir information: <http://wr.slocountywater.org/home.php>
 Below is a table of historical rainfall totals from the Los Osos Landfill rain monitor. This has been arranged to coincide with our Water Shortage Contingency Plan Climate Trigger which is based on rainfall measured from April 1st through March 31st.

Station Name and Number													Los Osos Landfill # 727	***		
All units are in inches ***																
Water Year	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	Total			
2016 - 2017	0.20	0.00	0.00	0.00	0.00	0.00	1.65	2.76	3.39	9.02			17.02			
2015 - 2016	0.67	0.12	0.00	1.93	0.00	0.08	0.08	1.26	1.85	5.04	0.86	4.85	16.74			
2014 - 2015	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.28	5.20	0.08	0.91	0.43	7.61			
2013 - 2014	0.31	0.12	0.04	0.00	0.00	0.00	0.24	0.28	0.12	0.00	4.06	1.42	6.59			
2012 - 2013	2.24	0.00	0.00	0.00	0.00	0.00	1.18	1.69	2.64	1.02	0.67	0.43	9.87			
2011 - 2012	0.28	0.59	1.10	0.00	0.08	0.04	1.06	2.17	0.16	2.28	0.35	2.68	10.79			

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). 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 9 remaining septic tanks to be decommissioned. A notice of termination will be filed with the state on the referenced waste discharge order once all paperwork is completed for transferring this subdivision to the County of San Luis Obispo. Until these documents are finalized our crew continue monitoring and responding to backups in the system.

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 the referenced waste discharge order 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

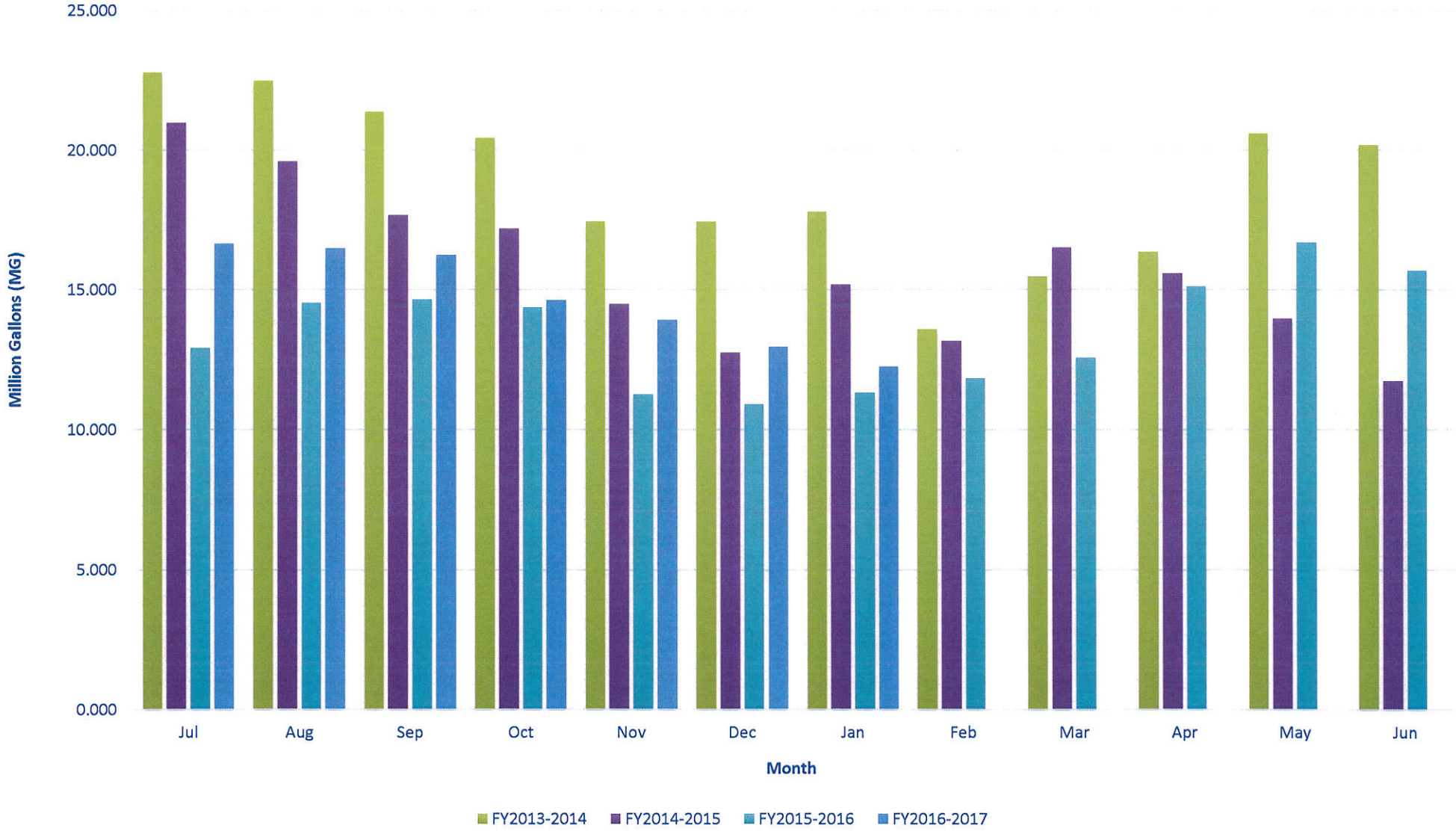
JANUARY 2017	8th St./ El Moro Well	3rd St./ Bayside Well	10th St. Well	South Bay Well	South Bay Upper Well	Palisades Well	All Wells TOTAL	Last Years TOTAL	Percent% Differential
Total Gallons Produced, Mgal	4.1531	0.0000	3.4163	2.0306	0.6110	2.0360	12.2470	11.3288	8.10%
Average Daily Flow, Mgal							0.3951		
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	4.1531			2.0306			12.2470	11.3288	8.10%
Pump Runtime, total hours	183.0	0.0	185.1	712.5	271.4	84.2	1436.2	1546.8	-7.15%
Daily Avg. Runtime, hours/day	5.9	0.0	6.0	23.0	8.8	2.7			
Energy Used, kWatts	7351	32	7905	10278		3428	28994	29709	-2.41%
Eff. Ratio, kWatts/hr	40.17	0.00	42.71	14.43		40.71			
Chlorine Used, total gallons	51.7	0.0	28.1	31.2		13.6	124.5	203.6	-38.83%
Aqua Mag, pounds	29.4		0.0	0.0		18.2	47.6	41.2	15.53%
Static water level, ft.	29.10	3.70	146.40	114.20	92.20	101.20			
Pump water level, ft.	150.70	0.00	283.50	141.40	117.00	202.80	3rd St. Well Out of Service		
Draw-down level, ft.	121.60	0.00	137.10	27.20	24.80	101.60			
Gallons per minute	385	0	310	32	32	300			
Pressure, psi	95	0	38	62	64	56			

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	12.247
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	103.114

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

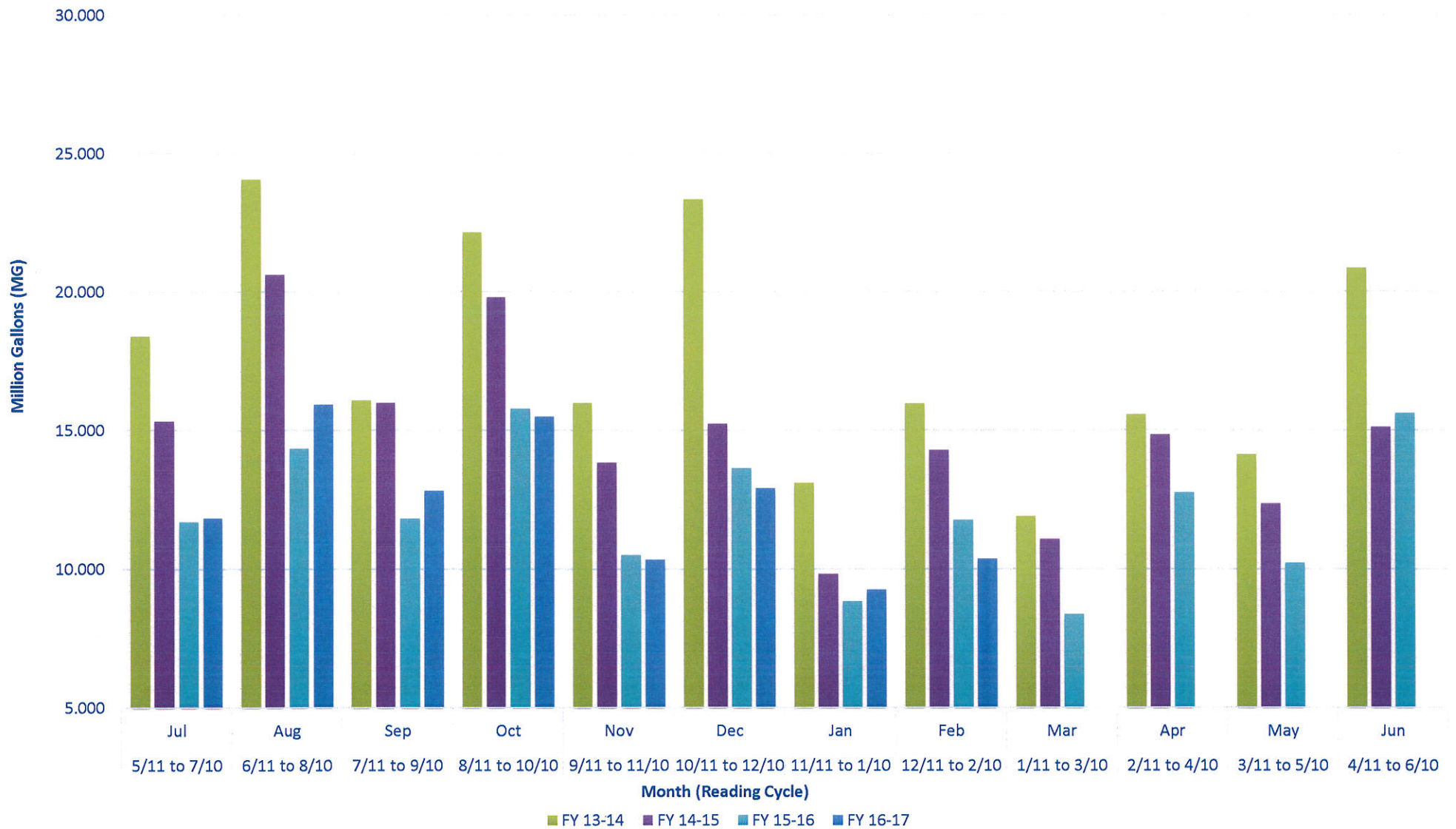


LOCSD Water Data

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	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	10.367
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	99.013

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 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	\$149,015.80
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	\$1,285,490.56

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

