



April 28, 2015

TO: LOCSO Board of Directors
FROM: Margaret Falkner, Utility Compliance Technician III *MLF*
SUBJECT: **Agenda Item 9B – 5/7/2015 Board Meeting**
 Utilities Department Report for March 2015

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 R. Michael Wright

Vice President
 Marshall E. Ochylski

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 Charles L. Cesena
 Jon-Erik G. Storm
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WATER PRODUCTION

The total production for the month of **March 2015** was approximately **15.8 million gallons (MG)** this equates to an average daily demand of 509,900 gallons. This represents an **increase** in production from last year by approximately **2%**.

Fifty-seven percent of the service area received bills for approximately **14.8 MG** consumption for the period **February 10, 2015 through April 10, 2015**. This generated **\$143,355** in revenue. This represents a **decrease** in consumption by approximately **5%** and an **increase** in revenue by approximately **17%** when compared to last year. Graphs and tables are attached.

PRODUCTION AND RUNTIME HOURS BY WELL SITE

Below are two tables that break down the production by well site and the runtime on the pump motor for the month of March 2015. Totals for last year are included for comparison:

Production (MG) March	2015	2014
Palisades	0.0000	4.0630
3 rd Street/Bayside	3.0143	3.1542
8 th Street/EI Moro	5.5692	3.3839
10 th Street	5.1502	3.6912
South Bay (lower)	1.9959	1.1840
South Bay (upper)	0.0778	0.0000
TOTAL:	15.8074	15.4763

Runtime (Hours) March	2015	2014
Palisades	0.0	117.1
3 rd Street/Bayside	723.6	720.2
8 th Street/EI Moro	273.6	156.1
10 th St	271.9	193.2
South Bay (lower)	699.4	717.5
South Bay (upper)	347.2	0.0
TOTAL:	2315.7	1904.1

Please refer to the attached March 2015 "Well Log Summaries" for more data regarding chemical usage, soundings, and alarms.

CALIFORNIA STATE OF EMERGENCY DUE TO DROUGHT

We remain officially in a drought.

On April 1, 2015, Governor Brown issued Executive Order B-29-15 due to the prolonged drought. The Save Water section of this order declares, "The State Water Resources Control Board (Water Board) shall impose restrictions to achieve a statewide 25% reduction in potable urban water usage through February 28, 2016. These restrictions will require water suppliers to California's cities and towns to reduce usage as compared to the amount used in 2013. These restrictions should consider the relative per capita water usage of each water suppliers' service area, and require that those areas with high per capita use achieve proportionally greater reductions than those with low use." To paraphrase, the reduction in per capita usage is over a three-year period from 2013 through February 2016.

WATER CONSERVATION

Production has been reduced by 14.5% when comparing the calendar years 2013 to 2014. So the District is well on its way to the 25% reduction by February 28, 2016. A recap of the water conservation campaign by Barnett Cox & Associates is attached.

Customers in the District's water service area are encouraged to stop by the office during lobby hours, 9:00 am until 3:00 pm, and pick up water conservation fixtures. We have 1.5 gallons per minute (gpm) high efficiency showerhead with on/off valve, a 5-minute shower timer, 1.5 gpm kitchen sink swivel aerator, packets of leak detection dye tablets for toilet tanks, a drip gauge cylinder to measure small drips, and a water saving garden hose nozzle.

For citizens with internet access, visit the new Facebook page for the Save Los Osos Water campaign. <https://www.facebook.com/SaveLosOsosWater>

For those who don't have a Facebook or Twitter Account here is a link to the Save Los Osos Water website: <http://www.savelosososwater.org/>

The District provides posters to businesses and homeowners in Los Osos. Visit our office during lobby hours and pick up a poster if you want to help spread the "Save Los Osos Water" message. Messages continue to be displayed on the Rotary sign at the corner of Los Osos Valley Road and South Bay Boulevard.

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). Under this permit, all Community Services Districts are considered "Non-traditional" MS4s.

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

Year (Calendar)	Inches
2012	9.56
2013	3.12
2014	12.51

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. Prior to connection there will be projects to be completed for County acceptance of the 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. Prior to connection there will be projects to be completed for County acceptance of the 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

MARCH 2015	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	5.5692	3.0143	5.1502	1.9959	0.0778	0.0000	15.8074	15.4763	2.14%
Average Daily Flow, Mgal							0.5099	0.4992	
Total Gallons to Waste (Filter Backwash), Mgal	0.0000			0.0132			0.0132	0	
Total Gallons to Waste (System Flushing), Mgal							0.0000	0	
Distribution System Losses (Water Line Breaks), Mgal							0.0000	0.0026	
Total Gallons Adjusted, Mgal	5.5692			1.9827			15.7942	15.4737	2.07%
Pump Runtime, total hours	273.6	723.6	271.9	699.4	347.2	0.0	2315.7	1904.1	17.77%
Daily Avg. Runtime, hours/day	8.8	23.3	8.8	22.6	11.2	0.0			
Energy Used, kWatts	10668	5745	11346	10590		0	38349	37744	1.60%
Eff. Ratio, kWatts/hr	38.99	7.94	41.73	15.14		0.00			
Chlorine Used, total gallons	70.5	29.5	30.9	30.8		0.0	161.7	157	3.01%
Aqua Mag, pounds	82.5		56.2	0.0		0.0	138.7	122.8	12.95%
Static water level, ft.	34.60	7.05	153.40	122.50	93.30	91.50			
Pump water level, ft.	139.35	52.10	247.90	179.50	118.90	0.00	Palisades well out of service.		
Draw-down level, ft.	104.75	45.05	94.50	57.00	25.60	0.00			
Gallons per minute	335	73	352	27	27	0			
Pressure, psi	94	82	36	62	62	0			
Alarm Events									
YES / NO	YES	NO	NO	NO	NO	YES			
Type of event									
Well Failure							0		
Power Failure							0		
Low Chlorine							0		
Other:	3					3	6		
Total number alarms	3	0	0	0	0	3	6	1	500.00%

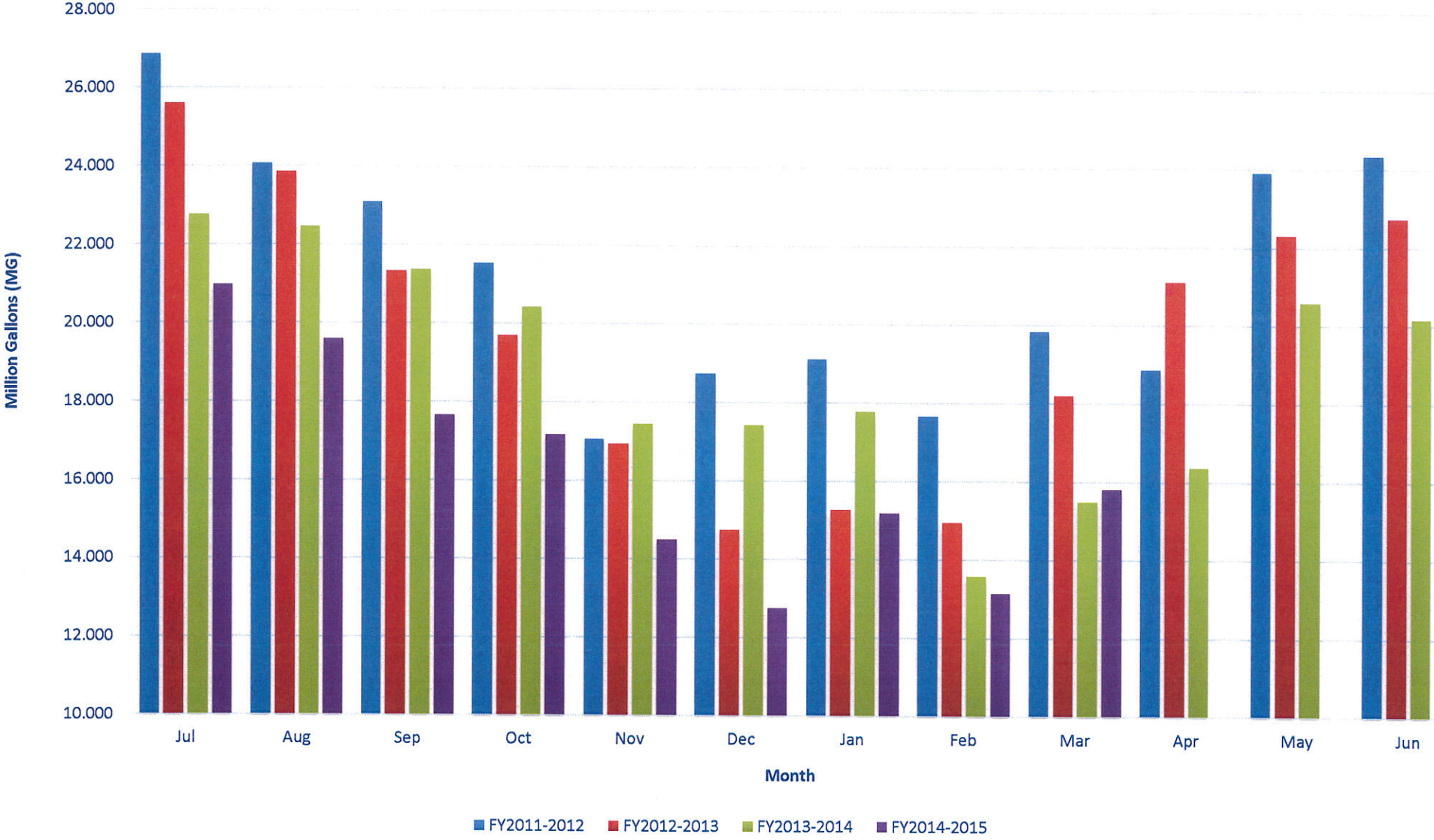
LOCSD Water Data

Water Production Data in Million Gallons

	FY 11-12	FY 12-13	FY 13-14	FY 14-15
Jul	26.868	25.600	22.779	20.979
Aug	24.064	23.862	22.470	19.593
Sep	23.086	21.340	21.380	17.668
Oct	21.543	19.708	20.431	17.169
Nov	17.046	16.939	17.436	14.482
Dec	18.745	14.747	17.431	12.759
Jan	19.117	15.268	17.780	15.174
Feb	17.662	14.940	13.584	13.142
Mar	19.843	18.193	15.476	15.807
Apr	18.873	21.118	16.354	
May	23.914	22.310	20.591	
Jun	24.347	22.743	20.179	
TOTAL	255.107	236.767	225.890	146.774

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

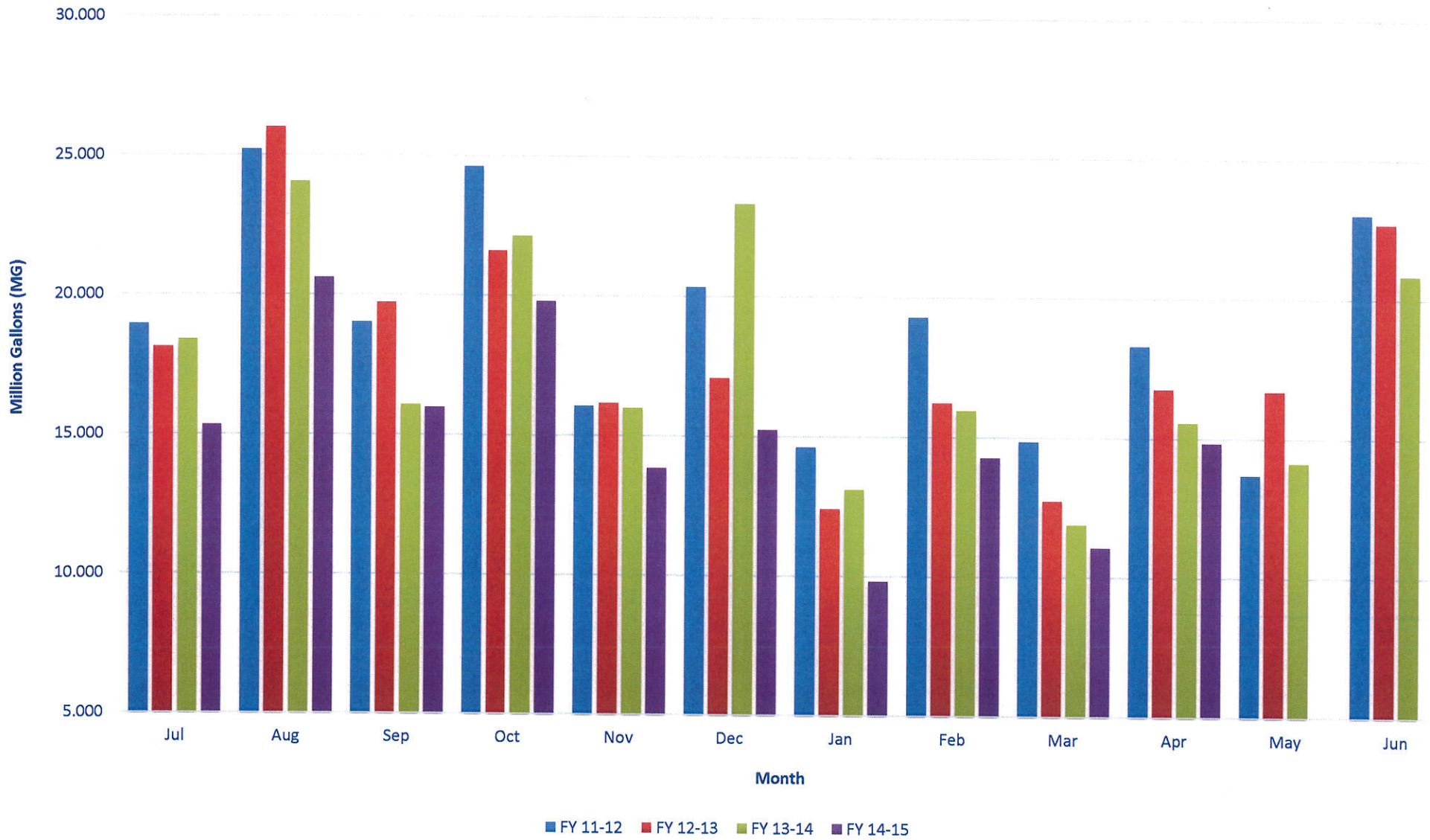


LOCSD Water Data

Water Consumption Data in Million Gallons						
% of Service Area	Billing Period		FY 11-12	FY 12-13	FY 13-14	FY 14-15
43	5/11 to 7/10	Jul	18.950	18.110	18.402	15.330
57	6/11 to 8/10	Aug	25.210	26.006	24.061	20.627
43	7/11 to 9/10	Sep	19.044	19.748	16.087	15.989
57	8/11 to 10/10	Oct	24.636	21.617	22.142	19.804
43	9/11 to 11/10	Nov	16.048	16.155	15.994	13.830
57	10/11 to 12/10	Dec	20.355	17.096	23.342	15.236
43	11/11 to 1/10	Jan	14.623	12.406	13.105	9.828
57	12/11 to 2/10	Feb	19.294	16.223	15.969	14.276
43	1/11 to 3/10	Mar	14.858	12.737	11.886	11.079
57	2/11 to 4/10	Apr	18.313	16.756	15.559	14.829
43	3/11 to 5/10	May	13.685	16.686	14.131	
57	4/11 to 6/10	Jun	23.029	22.709	20.852	
		TOTAL	228.044	216.249	211.530	150.829

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Historical to Present LOCS D Water Consumption

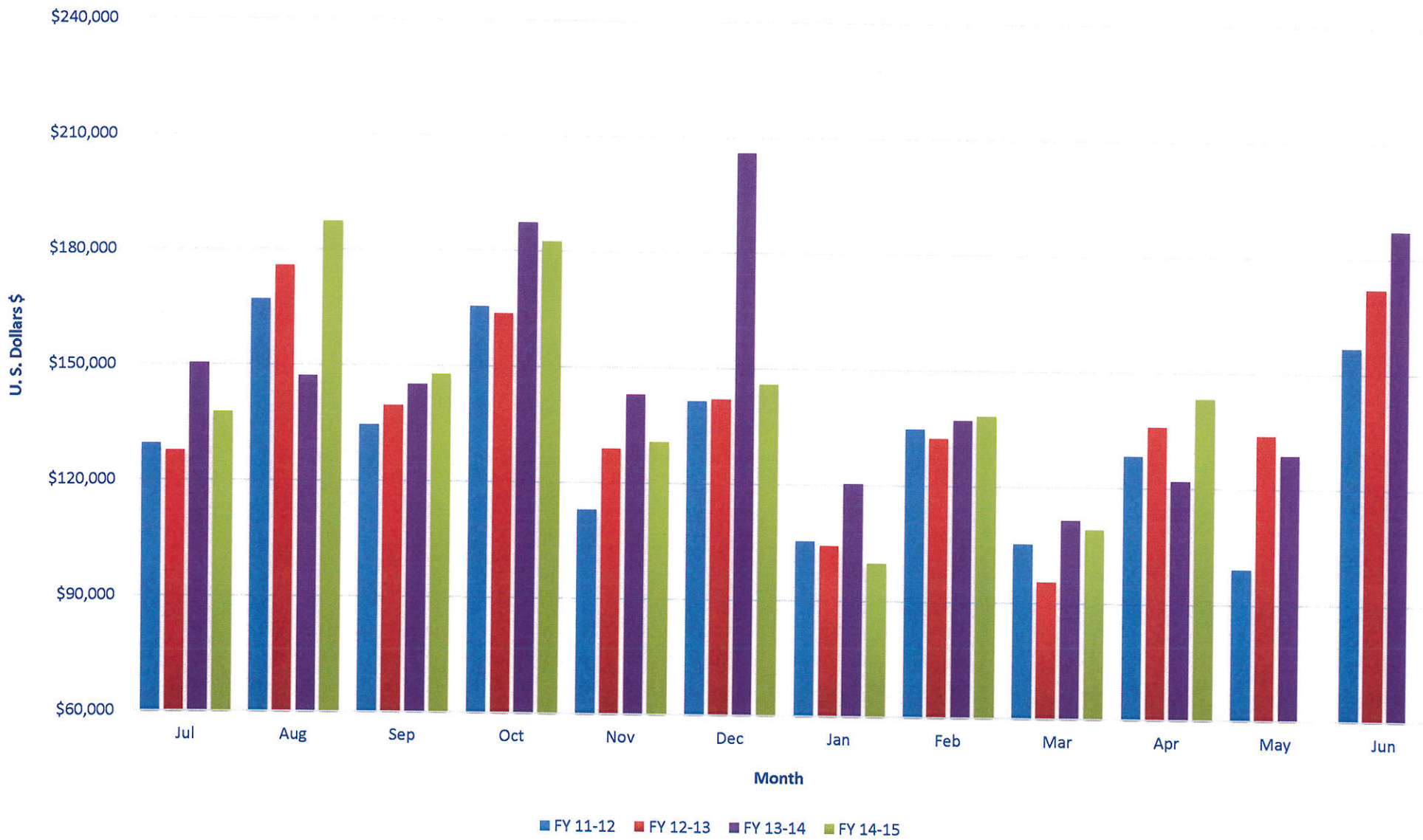


LOCSD Water Data

Water Revenue Data						
% of Service Area	Billing Period		FY 11-12	FY 12-13	FY 13-14	FY 14-15
43	5/11 to 7/10	Jul	\$129,524.46	\$127,737.70	\$150,401.90	\$137,752.98
57	6/11 to 8/10	Aug	\$167,062.07	\$175,798.70	\$147,246.54	\$187,468.02
43	7/11 to 9/10	Sep	\$134,650.62	\$139,628.43	\$145,135.28	\$147,808.06
57	8/11 to 10/10	Oct	\$165,624.63	\$163,698.98	\$187,431.78	\$182,463.96
43	9/11 to 11/10	Nov	\$113,044.46	\$128,918.55	\$143,029.03	\$130,772.31
57	10/11 to 12/10	Dec	\$141,492.06	\$142,026.32	\$206,187.91	\$145,977.27
43	11/11 to 1/10	Jan	\$105,371.44	\$104,328.08	\$120,500.40	\$99,970.19
57	12/11 to 2/10	Feb	\$134,692.14	\$132,433.64	\$137,045.65	\$138,344.52
43	1/11 to 3/10	Mar	\$105,313.67	\$95,487.96	\$111,475.31	\$109,092.25
57	2/11 to 4/10	Apr	\$128,368.97	\$135,947.81	\$121,943.68	\$143,355.32
43	3/11 to 5/10	May	\$99,287.66	\$133,939.00	\$128,784.61	
57	4/11 to 6/10	Jun	\$156,744.35	\$172,139.37	\$187,230.13	
		TOTAL	\$1,581,176.53	\$1,652,084.54	\$1,786,412.22	\$1,423,004.88

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Historical to Present LOCS D Water Revenue



LOCSO CAMPAIGN RECAP

October 2014 – March 2015



Established Save Los Osos Water Facebook Page

- Grew Facebook audience to approximately 400 geographically targeted residents (people living and working in Los Osos)
- Combined post reach: 13,222 people
- Average organic daily reach: 60
- Average paid post reach: 541

Established SaveLosOsosWater.org which features

- Helpful conservation tools
- Links to reports
- Daily water saving tips
- Monthly usage data with year-over-year comparisons
- Water usage calculator
- Share features for Facebook and Twitter

Produced collateral materials with Save Los Osos Water branding

- Table Tents for local businesses, especially restaurants
- Bumper stickers for distribution at the district office and Farmers' Market
- Revamped booth signage for district's Farmers' Market presence
- Created posters for local business windows

Designed slide for public access channel

Created two billing inserts with conservation messaging

Press releases/coordination that resulted in 8 media pickups

- In Los Osos, water users fight threat from the sea; SLO Tribune, March 18
- Los Osos groundwater is in danger, and its rescue will be costly; SLO Tribune, March 14
- Los Osos Water Plan now done; Tolosa Press, March 5
- Los Osos residents cut water use; Bay News, February 4
- Los Osos releases management plan for groundwater basin; KSBY News, February 4
- Save money? New fire rating in Los Osos; Tolosa Press, January 22
- Seawater is seeping into the Los Osos Groundwater Basin; KSBY News, January 22
- Los Osos CSD urges conservation; Bay News, December 11

