



March 24, 2014

TO: LOCSD Board of Directors
FROM: Margaret Falkner, Utility Compliance Technician III
SUBJECT: **Agenda Item 9B – 04/03/2014 Board Meeting**
Utilities Department Report for February 2014

MZF

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Craig V. Baltimore

Vice President
R. Michael Wright

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WATER PRODUCTION

The total production for the month of **February 2014** was approximately **13.6 million gallons (MG)** this equates to an average daily demand of 485,700 gallons. This represents a **decrease** in production from last year by approximately **9%**.

Forty-three percent of the service area received bills for approximately **11.9 MG** consumption for the period **January 10, 2014 through March 10, 2014**. This generated **\$111,475** in revenue. This represents approximately **7%** decrease in consumption and **16%** increase in revenue when compared to last year at this time.

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 January 2014. Last year's totals are included for comparison:

Production (MG) February	2014	2013
Palisades	3.1850	4.1080
3rd Street	2.8438	2.7694
El Moro	3.9904	2.9820
10th Street	2.6138	2.5700
South Bay (lower)	0.9505	2.5110
South Bay (upper)	0.0000	0.0000
TOTAL:	13.5835	14.9404

Runtime (Hours) February	2014	2013
Palisades	91.9	87.7
3rd St	654.4	641.6
El Moro	188.0	138.2
10th St	136.8	130.3
South Bay (lower)	658.2	658.7
South Bay (upper)	0.0	0.0
TOTAL:	1729.3	1656.5

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Please refer to the attached February 2014 "Well Log Summary" for more data regarding production, runtime hours, chemical usage, soundings, and alarms.

CALIFORNIA STATE OF EMERGENCY DUE TO DROUGHT

On January 17, 2014, Governor Brown declared an emergency due to drought. He has called on all Californians to restrain water use. Attached to this report are graphs with tables which provide information on the District's water well depths.

UTILITIES DEPARTMENT OPERATIONS AND MAINTENANCE FOR WATER SYSTEM

During the month of February 2014, crew provided weekly water sampling for water permit compliance, read water meters for billing, and performed monthly well soundings. In addition to these duties, they worked on the valve exercise program, upgraded service lines and meters, assisted contractor with planned shut-down, repaired a dead-end blow-off, and installed a turbidimeter at the South Bay Well. Staff submitted the monthly monitoring report to the California Department of Public Health (CDPH) for February 2014 with no violations noted.

WATER CONSERVATION

Customers in the District's water service area are encouraged to stop by the lobby and pick up free water saving fixtures for their home and garden. We have 1.5 gallons per minute (gpm) showerheads with an on/off valve, 1.5 gpm kitchen faucet aerators with a swivel and on/off valve, 1.0 gpm standard bathroom faucet aerators, packets of leak detection dye tablets for toilet tanks, a drip gauge cylinder to measure small drips, and a water saving garden hose attachment. Staff will be providing conservation items to the public at the local Farmer's Market held Mondays on Santa Maria Avenue between 2nd and 3rd Streets. This will be done on a monthly basis.

DRAINAGE WDID # 3 40M2000133

Crews performed maintenance on all pump stations. The General National Pollutant Discharge Elimination System (NPDES) Permit for storm water discharges for small Municipal Separate Storm Sewer Systems (MS4) is effective July 1, 2013. Our first annual report will be due in June 2014.

BAYRIDGE ESTATES WDID# 3 401027001

Crews continue monitoring and groundskeeping. Once connected to the Los Osos Wastewater Project, the District crews will no longer maintain the septic system.

VISTA DE ORO WDID# 3 401024001

Crews continue monitoring and groundskeeping. 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

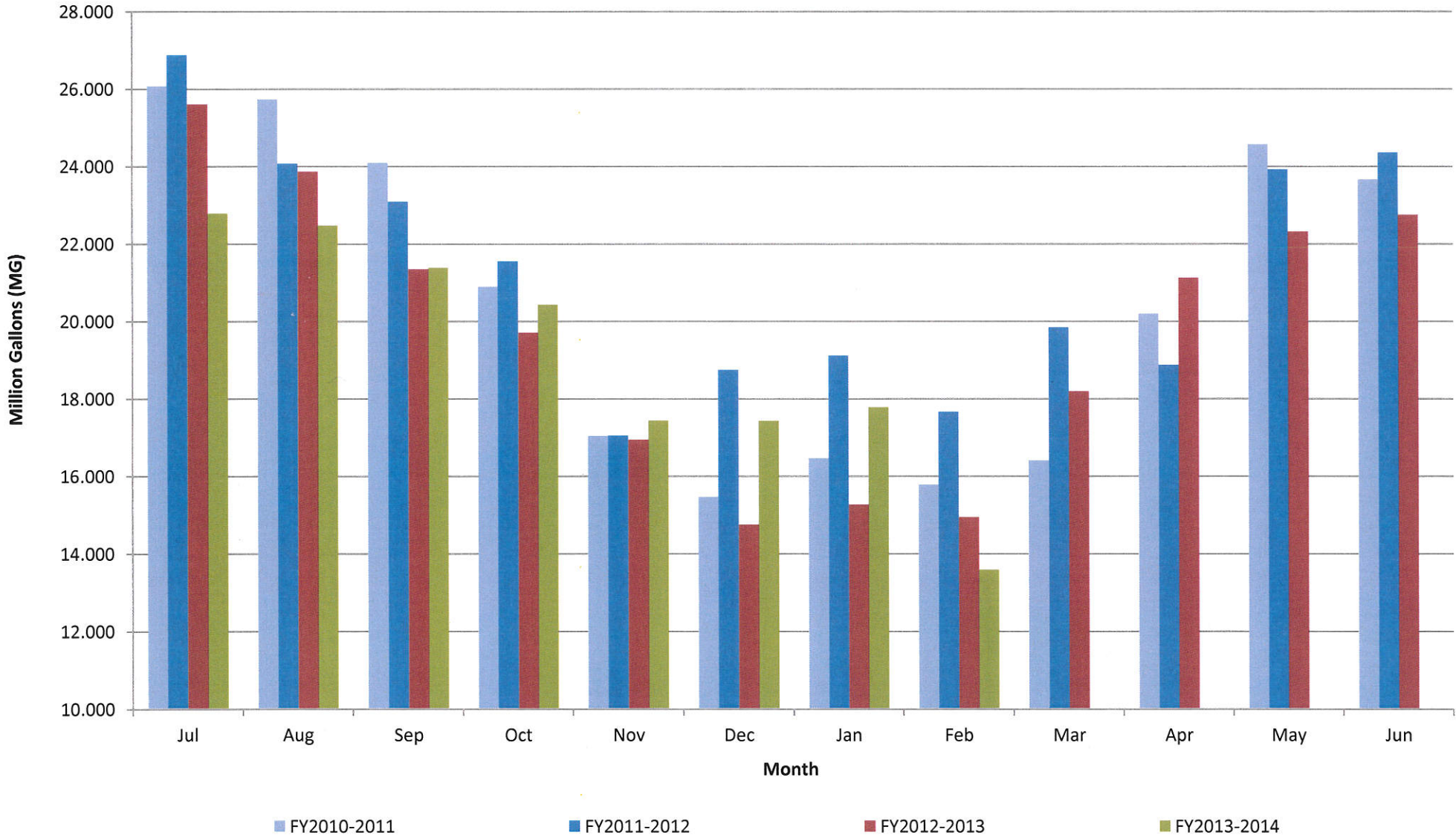
LOCSD Water Data

Water Production Data in Million Gallons

	FY 10-11	FY 11-12	FY 12-13	FY 13-14
Jul	26.066	26.868	25.600	22.779
Aug	25.724	24.064	23.862	22.470
Sep	24.087	23.086	21.340	21.380
Oct	20.895	21.543	19.708	20.431
Nov	17.042	17.046	16.939	17.436
Dec	15.460	18.745	14.747	17.431
Jan	16.463	19.117	15.268	17.780
Feb	15.783	17.662	14.940	13.584
Mar	16.402	19.843	18.193	
Apr	20.195	18.873	21.118	
May	24.563	23.914	22.310	
Jun	23.660	24.347	22.743	
TOTAL	246.338	255.107	236.767	153.291

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

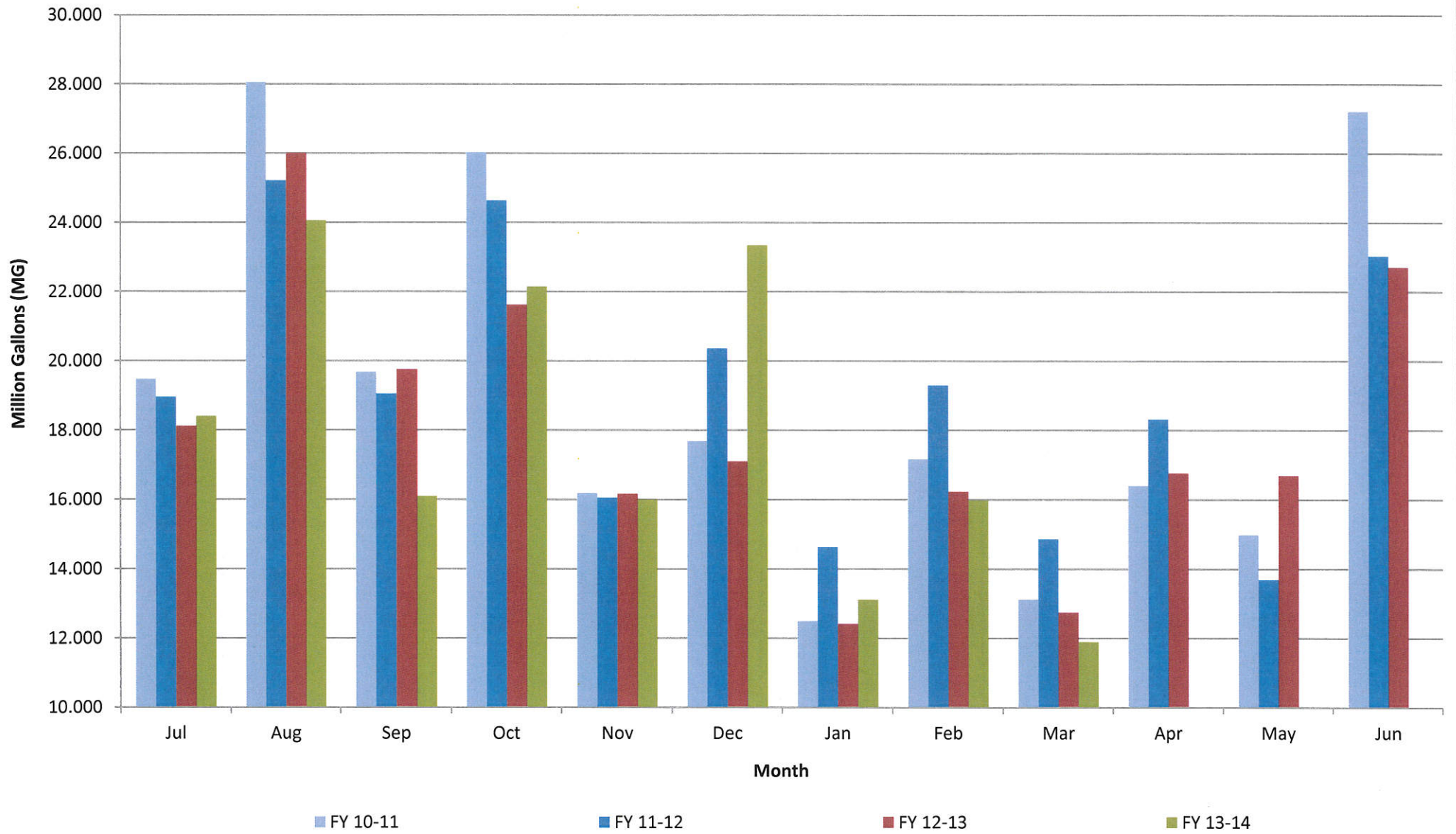


LOCSD Water Data

Water Consumption Data in Million Gallons						
% of Service Area	Billing Period		FY 10-11	FY 11-12	FY 12-13	FY 13-14
43	5/11 to 7/10	Jul	19.463	18.950	18.110	18.402
57	6/11 to 8/10	Aug	28.050	25.210	26.006	24.061
43	7/11 to 9/10	Sep	19.674	19.044	19.748	16.087
57	8/11 to 10/10	Oct	26.027	24.636	21.617	22.142
43	9/11 to 11/10	Nov	16.179	16.048	16.155	15.994
57	10/11 to 12/10	Dec	17.683	20.355	17.096	23.342
43	11/11 to 1/10	Jan	12.485	14.623	12.406	13.105
57	12/11 to 2/10	Feb	17.161	19.294	16.223	15.969
43	1/11 to 3/10	Mar	13.109	14.858	12.737	11.886
57	2/11 to 4/10	Apr	16.396	18.313	16.756	
43	3/11 to 5/10	May	14.975	13.685	16.686	
57	4/11 to 6/10	Jun	27.212	23.029	22.709	
		TOTAL	228.414	228.044	216.249	160.988

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Historical to Present LOCS D Water Consumption

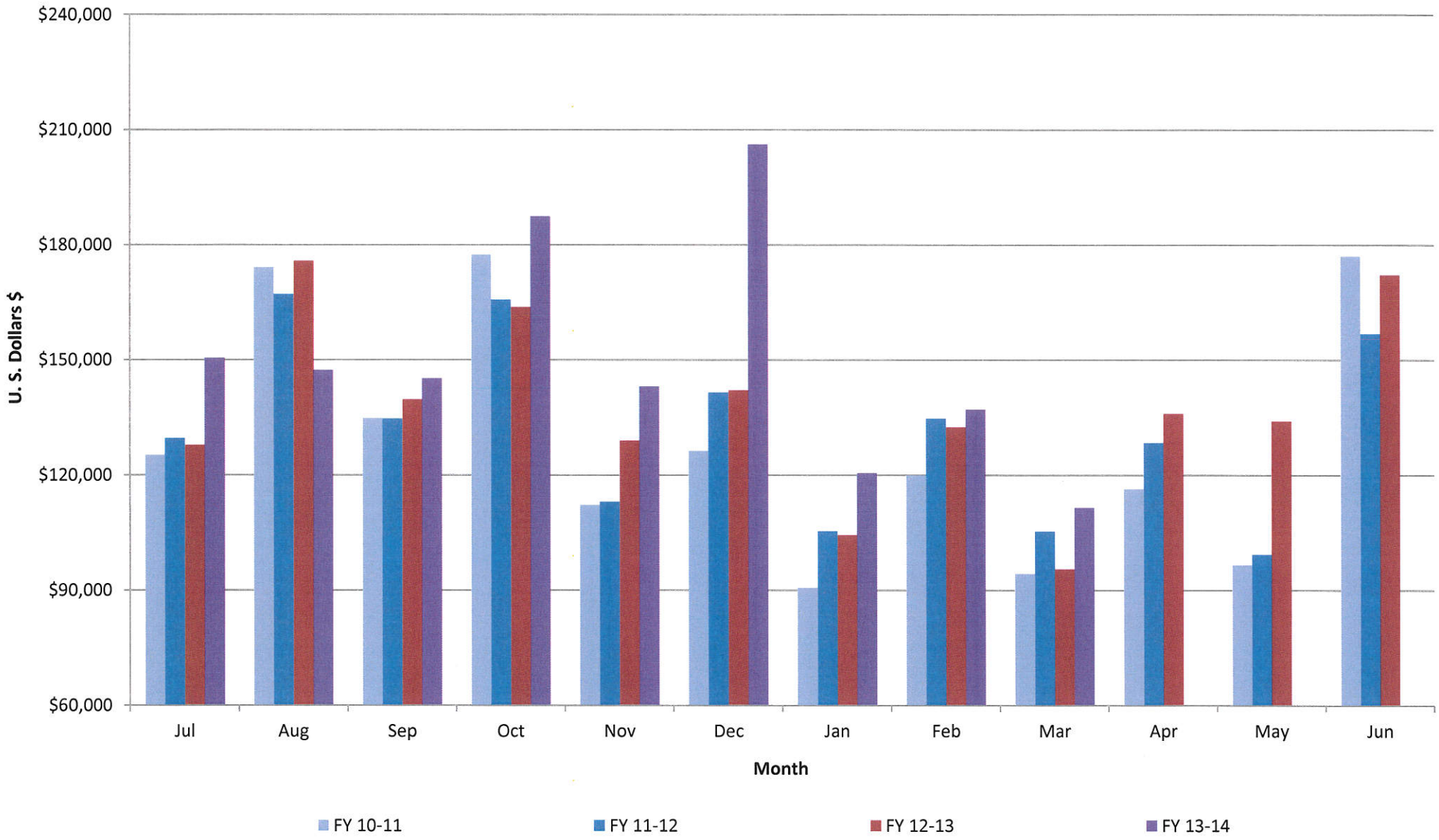


LOCSD Water Data

Water Revenue Data						
% of Service Area	Billing Period		FY 10-11	FY 11-12	FY 12-13	FY 13-14
43	5/11 to 7/10	Jul	\$125,133.24	\$129,524.46	\$127,737.70	\$150,401.90
57	6/11 to 8/10	Aug	\$174,057.07	\$167,062.07	\$175,798.70	\$147,246.54
43	7/11 to 9/10	Sep	\$134,756.85	\$134,650.62	\$139,628.43	\$145,135.28
57	8/11 to 10/10	Oct	\$177,362.45	\$165,624.63	\$163,698.98	\$187,431.78
43	9/11 to 11/10	Nov	\$112,171.55	\$113,044.46	\$128,918.55	\$143,029.03
57	10/11 to 12/10	Dec	\$126,236.55	\$141,492.06	\$142,026.32	\$206,187.91
43	11/11 to 1/10	Jan	\$90,676.15	\$105,371.44	\$104,328.08	\$120,500.40
57	12/11 to 2/10	Feb	\$119,946.90	\$134,692.14	\$132,433.64	\$137,045.65
43	1/11 to 3/10	Mar	\$94,298.10	\$105,313.67	\$95,487.96	\$111,475.31
57	2/11 to 4/10	Apr	\$116,335.40	\$128,368.97	\$135,947.81	
43	3/11 to 5/10	May	\$96,549.67	\$99,287.66	\$133,939.00	
57	4/11 to 6/10	Jun	\$177,009.32	\$156,744.35	\$172,139.37	
		TOTAL	\$1,544,533.25	\$1,581,176.53	\$1,652,084.54	\$1,348,453.80

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 Revenue is based on gallons billed - not cash received.
 Production is recorded daily.

Historical to Present LOCS D Water Revenue



FEBRUARY 2014	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	3.9904	2.8438	2.6138	0.9505	0.0000	3.1850	13.5835	14.9404	-9.08%
Average Daily Flow, Mgal							0.4528		
Total Gallons to Waste (<i>Filter Backwash</i>), Mgal	0.0355			0.0000	0.0000		0.0355	0.0000	
Total Gallons to Waste (<i>System Flushing</i>), Mgal							0.0000	0.0000	
Distribution System Losses (<i>Water Line Breaks</i>), Mgal							0.0041	0.0305	
Total Gallons Adjusted, Mgal	3.9549			0.9505			13.5439	14.9099	-9.16%
Pump Runtime, total hours	188.0	654.4	136.8	658.2		91.9	1729.3	1656.5	4.21%
Daily Avg. Runtime, hours/day	6.3	21.8	4.6	21.9		3.1			
Energy Used, kWatts	7536	5209	6716	6912		7302	33675	31888	5.60%
Eff. Ratio, kWatts/hr	40.09	7.96	49.09	10.50		79.46			
Chlorine Used, total gallons	48.0	31.5	15.6	14.7		23.2	109.8	94.5	16.23%
Aqua Mag, pounds	49.6		33.0	0.0		28.8	111.4	66.4	67.77%
Static water level, ft.	32.50	7.10	152.40	118.90	0.00	98.60			
Pump water level, ft.	152.20	55.00	247.80	156.90	0.00	254.70			
Draw-down level, ft.	119.70	47.90	95.40	38.00	0.00	156.10			
Gallons per minute	352	74	315	49	0	570			
Pressure, psi	92	75	33	59	0	85			
Alarm Events									
YES / NO	NO		NO	NO	NO	YES			
Type of event									
Well Failure							0		
Power Failure							0		
Low Chlorine							0		
Other:						1	1		
Total number alarms	0	0	0	0		1	1	0	100.00%

Well Log Summaries

