



January 22, 2016

TO: LOCSO Board of Directors
FROM: Margaret Falkner, Utility Compliance Technician III
SUBJECT: **Agenda Item 9B – 2/4/2016 Board Meeting**
Utilities Department Report for December 2015

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WATER QUALITY NOTICE – CHROMIUM VI (HEXAVALENT CHROMIUM)

In December 2015, water sample results for Chromium VI levels exceeded the maximum contaminate level (MCL) standard at our 3rd Street well. The MCL is 10 micrograms per liter also described as 10 parts per billion. **The well was shut off** on December 17, 2015 as soon as the lab notified District crew of the results. To comply with the state drinking water regulations a notice was sent to all customers in the LOCSO water system. There was a typographical error on the notification stating the well was shut off on December 7, 2015; the well was sampled on that date and the results were reported to us on December 17, 2015. A copy of the notice is attached.

The next steps will be to submit to the state a "Letter of Intent" to submit a compliance plan. Then the compliance plan must be submitted for approval. Our District Engineer will provide a proposal for an effective method to treat hexavalent chromium at the site. Once the state approves the compliance plan, we will bring the item to the Board for authorization to fund the project.

The District continues to maintain the best interests of its customers at all times. We continue to provide safe drinking water.

WATER PRODUCTION & BILLING INFORMATION

The total production for the month of **December 2015** was approximately **10.9 million gallons (MG)** this equates to an average daily demand of 351,300 gallons. This represents a **decrease** in production from last year by approximately **15%**.

Using the state's formula to calculate residential usage per capita per day, for the month of December 2015 our residential customers used 46.8 gallons per person per day.

Forty-three percent of the service area received bills for approximately **8.8 MG** consumption for the period **November 9, 2015 through January 11, 2016**. This generated **\$108,532** in revenue. This represents a **decrease** in consumption by approximately **10%** and an **increase** in revenue by approximately **9%** when compared 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 **December 2015**. Totals for last year are included for comparison:

Production (MG) December	2015	2014
Palisades	0.1825	1.1730
3 rd Street/Bayside	1.4550	3.1717
8 th Street/El Moro	3.2134	4.0718
10 th Street	3.1719	3.8949
South Bay (lower)	1.9478	0.4478
South Bay (upper)	0.9200	0.0000
TOTAL:	10.8906	12.7592

Runtime (Hours) December	2015	2014
Palisades	82.4	35.0
3 rd Street/Bayside	347.5	718.2
8 th Street/El Moro	160.1	198.5
10 th St	167.5	204.4
South Bay (lower)	686.1	157.9
South Bay (upper)	409.5	0.0
TOTAL:	1853.1	1314.0

Please refer to the attached December 2015 "Well Log Summaries" for more data.

16th Street Tank Repair Work

In December 2015, maintenance repair work began at the 16th Street tanks. A door hanger notification to the residents in the immediate area was provided. Here is a copy of the notice:

Dear Neighbor,

Work is beginning on a tank maintenance project on the 16th Street tanks. Workers will be in your area between 7:00 am and 4:00 pm Monday through Friday beginning December 16, 2015. The project will take approximately 30 calendar days to complete. If you have concerns regarding this project please contact the District at 528-9370 or leave a message with the Utilities Department at 528-9376. We appreciate your patience during this important project.

Work is substantially completed. Thank you to the neighbors for your cooperation and tolerance.

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).

We are under the influence of an El Niño. **Residents should be prepared to protect their property when rain is in the forecast.** There are sandbags for sale at the District office and Station 15-South Bay Fire Department on Bayview Heights Drive. We charge \$4.50 for a bundle of 10 or \$.45 each. **Free sand** is available on a self-service basis for Los Osos residents at Station 15-South Bay Fire Department at **2315 Bayview Heights Drive** and the Municipal Operations Facility at **953 El Moro Avenue** in Los Osos.

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/cm/utilities/Drainage.html>

Rain measured at the Water Operations Facility between January 1st & December 31st

Month	Rainfall		Rainfall		Rainfall		Rainfall	
	Year	(Inches)	Year	(Inches)	Year	(Inches)	Year	(Inches)
January	2015	0.19	2014	0.00	2013	0.97	2012	1.70
February	2015	0.89	2014	3.61	2013	0.56	2012	0.26
March	2015	0.26	2014	1.34	2013	0.62	2012	2.19
April	2015	0.79	2014	1.03	2013	0.03	2012	2.28
May	2015	0.13	2014	0.00	2013	0.10	2012	0.00
June	2015	0.03	2014	0.00	2013	0.00	2012	0.00
July	2015	2.05	2014	0.00	2013	0.00	2012	0.00
August	2015	0.00	2014	0.00	2013	0.00	2012	0.00
September	2015	0.08	2014	0.00	2013	0.00	2012	0.00
October	2015	0.18	2014	1.21	2013	0.29	2012	1.17
November	2015	1.33	2014	1.56	2013	0.36	2012	1.03
December	2015	1.86	2014	4.93	2013	0.19	2012	2.89
Total		7.79		13.67		3.12		11.52

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. A claim was filed with Golden State Water Company's insurance provider at the beginning of November. The total amount came to \$109,848.36. Payment to the District should be received soon.

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.

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

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

Los Osos CSD Water System 4010016 Has Levels of Chromium VI Above the Drinking Water Standard

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we are doing to correct this situation.

We routinely monitor for the presence of drinking water contaminants. Water sample results received on December 7, 2015 showed Hexavalent Chromium levels of 11 µg/L. This is above the standard, or maximum contaminant level (MCL), of 10 µg/L.

What should I do?

- **You do not need to use an alternative water supply (e.g., bottled water).**
- This is not an immediate risk. If it had been, you would have been notified immediately. However, some people who drink water containing hexavalent chromium in excess of the MCL over many years may have an increased risk of getting cancer.
- If you have other health issues concerning the consumption of this water, you may wish to consult your doctor.

What happened? What is being done?

We have stopped using the well site and have increased pumping at other wells.

For more information, please contact Margaret Falkner at 805-528-9376 or 2122 9th Street, Suite 102, Los Osos, CA 93402.

Secondary Notification Requirements

Upon receipt of notification from a person operating a public water system, the following notification must be given within 10 days [Health and Safety Code Section 116450(g)]:

- **SCHOOLS:** Must notify school employees, students, and parents (if the students are minors).
- **RESIDENTIAL RENTAL PROPERTY OWNERS OR MANAGERS** (including nursing homes and care facilities): Must notify tenants.
- **BUSINESS PROPERTY OWNERS, MANAGERS, OR OPERATORS:** Must notify employees of businesses located on the property.

This notice is being sent to you by Los Osos Community Services District Water System

State Water System ID#: 4010016.

Date distributed: January 11, 2016.

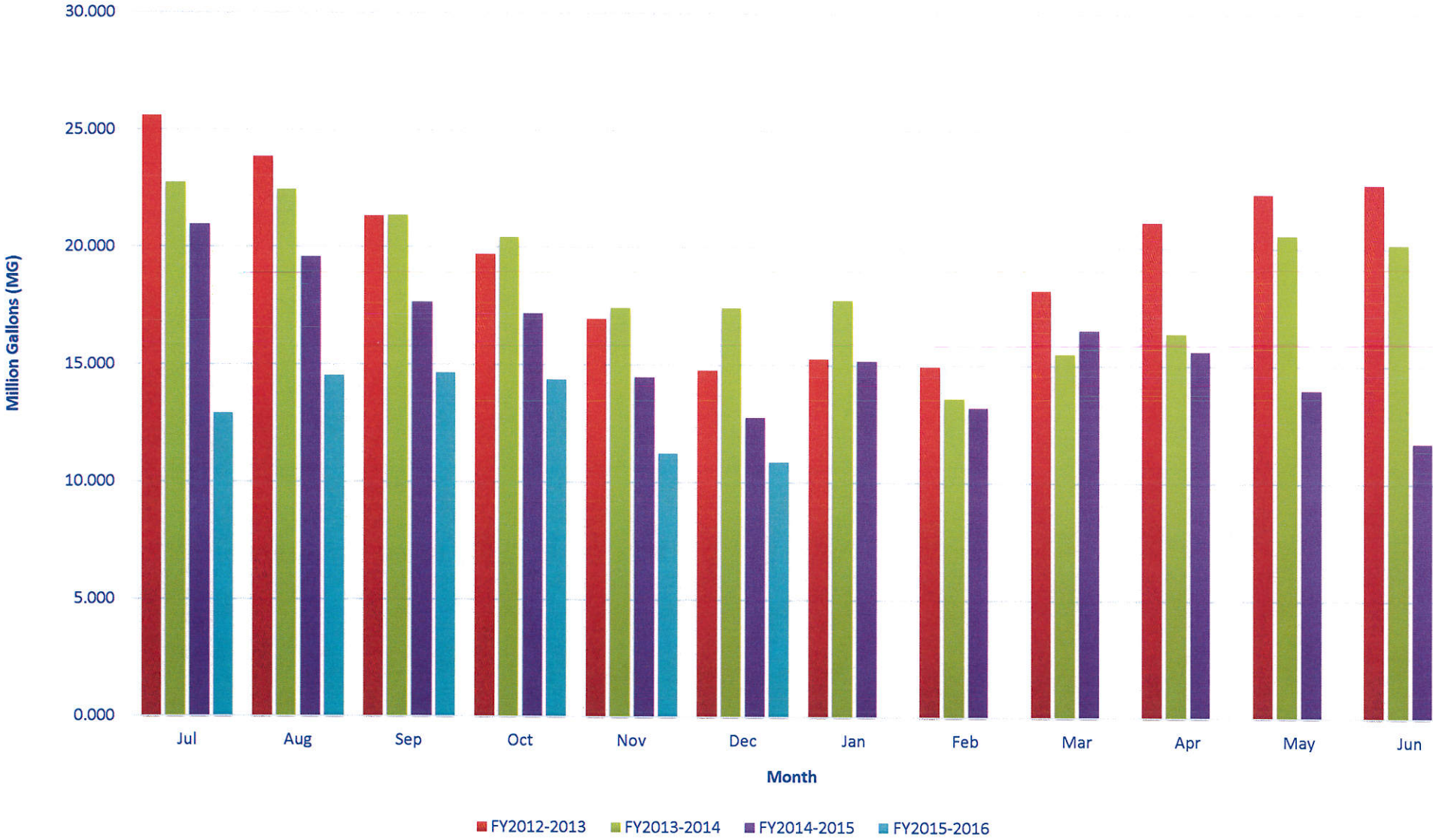
DECEMBER 2015	8th St./ EI Moro Well	3rd St./ Bayside Well	10th St. Well	South Bay Well	South Bay Upper Well	Palisades Well	All Wells TOTAL	Last Years TOTAL	Percent% Differential
Total Gallons Produced, Mgal	3.2134	1.4550	3.1719	1.9478	0.9200	0.1825	10.8906	12.7592	-14.64%
Average Daily Flow, Mgal							0.3513		
Total Gallons to Waste (Filter Backwash), Mgal	0.0344			0.0000	0.0000		0.0344	0.0566	
Total Gallons to Waste (System Flushing), Mgal							0.0000	0.0000	
Distribution System Losses (Water Line Breaks), Mgal							0.0000	0.0015	
Total Gallons Adjusted, Mgal	3.1790			1.9478			10.8562	12.7011	-14.53%
Pump Runtime, total hours	160.1	347.5	167.5	686.1	409.5	82.4	1853.1	1314.0	29.09%
Daily Avg. Runtime, hours/day	5.2	11.2	5.4	22.1	13.2	2.7			
Energy Used, kWatts	6243	2795	7719	10610		3093	30460	27392	11.20%
Eff. Ratio, kWatts/hr	38.99	8.04	46.08	15.46		37.54			
Chlorine Used, total gallons	44.4	13.4	17.1	27.9		35.0	137.9	148.6	-7.22%
Aqua Mag, pounds	24.2		0.0	0.0		16.2	40.4	105.4	-61.67%
Static water level, ft.	28.71	6.00	148.40	120.30	93.50	90.20			
Pump water level, ft.	132.20	23.80	245.20	173.25	116.90	221.15	3rd St Well Shut off 12/17/2015		
Draw-down level, ft.	103.49	17.80	96.80	52.95	23.40	130.95			
Gallons per minute	330	71	352	23	23	371			
Pressure, psi	96	78	37	55	60	58			

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	
Feb	14.940	13.584	13.171	
Mar	18.193	15.476	16.508	
Apr	21.118	16.354	15.591	
May	22.310	20.591	13.966	
Jun	22.743	20.179	11.731	
TOTAL	236.767	225.890	188.790	78.593

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

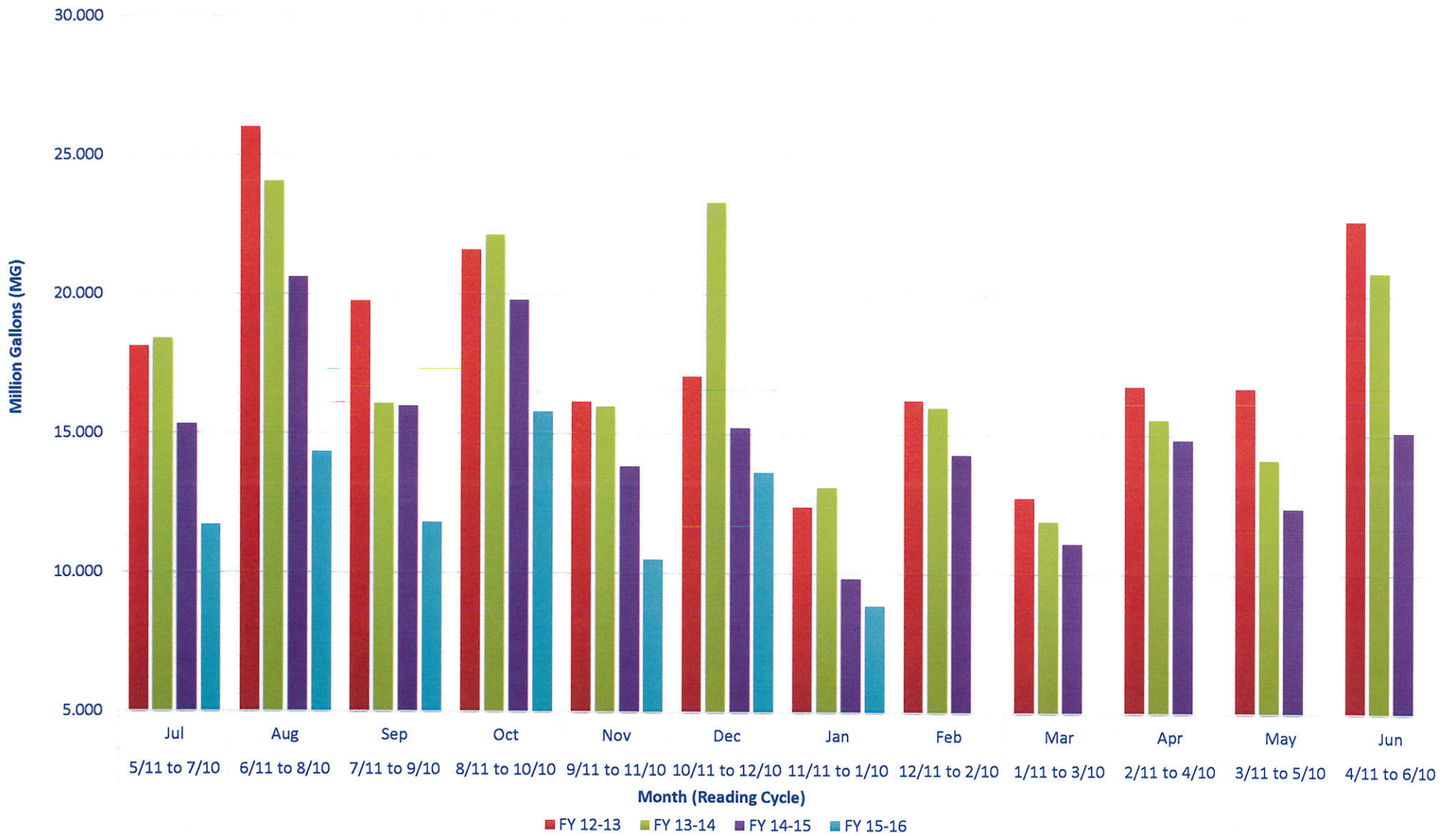


LOCSD Water Data

Water Consumption Data in Million Gallons						
% of Service Area	Billing Period		FY 12-13	FY 13-14	FY 14-15	FY 15-16
43	5/11 to 7/10	Jul	18.110	18.402	15.330	11.709
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	
43	1/11 to 3/10	Mar	12.737	11.886	11.079	
57	2/11 to 4/10	Apr	16.756	15.559	14.829	
43	3/11 to 5/10	May	16.686	14.131	12.367	
57	4/11 to 6/10	Jun	22.709	20.852	15.111	
		TOTAL	216.249	211.530	178.306	86.636

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
43	5/11 to 7/10	Jul	\$127,737.70	\$150,401.90	\$137,752.98	\$119,138.01
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	
43	1/11 to 3/10	Mar	\$95,487.96	\$111,475.31	\$109,092.25	
57	2/11 to 4/10	Apr	\$135,947.81	\$121,943.68	\$143,355.32	
43	3/11 to 5/10	May	\$133,939.00	\$128,784.61	\$120,013.25	
57	4/11 to 6/10	Jun	\$172,139.37	\$187,230.13	\$148,384.13	
		TOTAL	\$1,652,084.54	\$1,786,412.22	\$1,691,402.26	\$978,385.39

Consumption is billed for a two month period every month.
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 Production is recorded daily.

Historical to Present LOCS D Water Revenue Based on Billing

