



August 21, 2015

TO: LOCSD Board of Directors
FROM: Margaret Falkner, Utility Compliance Technician III
SUBJECT: **Agenda Item 9B – 09/03/2015 Board Meeting**
 Utilities Department Report for July 2015

MFL

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WATER PRODUCTION

The total production for the month of **July 2015** was approximately **12.9 million gallons (MG)** this equates to an average daily demand of 416,887 gallons. This represents a **decrease** in production from last year by approximately **38%**. When using the state's formula for gallons per capita per day, residential (single-family & multi-family) usage came to 55.6 gallons! This is proof our water service area is doing their best to conserve.

Fifty-seven percent of the service area received bills for approximately **14.3 MG** consumption for the period **June 10, 2015 through August 10, 2015**. This generated **\$154,995** in revenue. This represents a **decrease** in consumption by approximately **30%** and a **decrease** 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 motors for the month of **July 2015**. Totals for last year are included for comparison:

| Production (MG) July | 2015 | 2014 |
|--------------------------------|----------------|----------------|
| Palisades | 0.3051 | 4.7600 |
| 3 rd Street/Bayside | 2.8055 | 3.2405 |
| 8 th Street/El Moro | 3.8304 | 6.3941 |
| 10 th Street | 3.2806 | 5.7082 |
| South Bay (lower) | 1.7259 | 0.8765 |
| South Bay (upper) | 0.9760 | 0.0000 |
| TOTAL: | 12.9235 | 20.9793 |

| Runtime (Hours) July | 2015 | 2014 |
|--------------------------------|---------------|---------------|
| Palisades | 111.9 | 141.8 |
| 3 rd Street/Bayside | 667.7 | 732.4 |
| 8 th Street/El Moro | 187.0 | 310.3 |
| 10 th St | 177.3 | 311.5 |
| South Bay (lower) | 604.2 | 735.6 |
| South Bay (upper) | 440.0 | 0.0 |
| TOTAL: | 2188.1 | 2231.6 |

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

CALIFORNIA STATE OF EMERGENCY DUE TO DROUGHT

We remain officially in a drought.

The Los Osos Community Services District is a small water system as defined by the state. We will be reporting to the state in December 2015 for the months June through November.

Recently the **state** announced **rebates** for both **turf replacement and toilet replacement**. The turf replacement rebate has a cap at \$2,000. Up to \$2 per square foot of removed and replaced turf will be rebated per eligible household.

The toilet rebate qualifies for toilets that are larger than 1.6 gallons per flush to be replaced with a high-efficiency toilet which is 1.28 gallons per flush or less.

These programs are available on a first-come first-served basis. It is important to follow the instructions closely to get in the queue.

The District has links from our website to the Save Our Water Rebates website: <http://www.saveourwaterrebates.com/>. These programs are managed by the state. The Utilities department provided this information to our water customers through an insert in the August billing. A copy is attached to this report. It is also listed on our Save Los Osos Water Facebook site. The County of San Luis Obispo continues their Los Osos water conservation rebate program through 2017.

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.

Although we have no way of predicting the effects in Los Osos of the reported "Godzilla El Nino" coming in late fall or early winter, the District has four submersible pump stations that our crews maintain throughout the year. These pump stations are located at 8th & El Moro Avenue, 6th & El Moro Avenue, 16th & Paso Robles Avenue, and Don & Mitchell Drive in Los Osos. The District spent approximately \$600 in the last fiscal year on maintenance of the pumps at 8th & El Moro Avenue and 16th & Paso Robles Avenue. The last capital expenditure in the drainage fund was in October 2012 in the amount of \$17,573.75. That was the cost to replace one pump at 8th & El Moro Avenue. There are three pumps at that facility with a total capacity of 2,740 gallons per minute.

The County of San Luis Obispo is responsible for drainage that runs off the streets of Los Osos. We work collaboratively with the roads division of Public Works. They provide the free sand to our municipal operations facility and Station 15-South Bay Fire Department for the citizens of Los Osos. If the County doesn't have enough sand to provide, the District will purchase sand with Drainage funds.

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 for \$4.50 for a bundle of 10 or \$.45 each. **Free sand** is available for Los Osos residents at Station 15-South Bay Fire Department and the municipal operations facility at 953 El Moro Avenue in Los Osos.

Even when it isn't raining, trash, pesticides, fertilizers, animal excrement, and other pollutants can make their way to drainage systems then eventually out to the bay. Thank you for your participation in keeping our community clean.

Volunteers are needed for the September 19, 2015 Coastal Cleanup from 9:00 am until noon. We have a link from the District's main page and the Utilities drainage page to this event where you can sign up to volunteer.

Visit our web page (pictured below) for more information about drainage and storm water pollution prevention: <http://www.lososocsd.org/cm/utilities/Drainage.html>



The screenshot shows the website for the Los Osos Community Services District. At the top left is the district's logo, which features a bear and the text "LOS OSOS COMMUNITY SERVICES DISTRICT". To the right of the logo is the text "Los Osos Community Services District". Further right is a navigation menu with links for "Home", "Event Calendar", "Board of Directors", "Billing Services", "Utilities", and "Emergency Services". A search bar is located on the right side of the menu. Below the menu is a "Drainage" section with a sub-section for "Drainage Services". The "Drainage Services" section contains text about the district's drainage pump stations and retention basins, as well as information about sandbags. To the right of the "Drainage Services" section is a circular graphic with a fish and the text "NO DESCARGUE BASURA DUMP NO WASTE DRAINS TO OCEAN DESAGUE AL OCEANO". Below the graphic are several links to videos and information about stormwater runoff and pollution.

Call (805) 528-9370 | [Join Email List](#) | [Contact Info](#) | [About LOCSD](#) | [Careers](#) | [Weather](#) | [Site Map](#)

Los Osos Community Services District

Home Event Calendar Board of Directors Billing Services Utilities Emergency Services Search

Utilities Drainage

Water
Quality
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Meter
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Maintenance

Drainage Services

The LOCSD Utilities Department maintains drainage pump stations throughout Los Osos. They are located at the corners of Don Avenue and Mitchell Drive; 8th Street and El Moro Avenue; 16th Street and Paso Robles Avenue; and, 6th Street and El Moro Avenue. In addition to the drainage pump stations, LOCSD crews maintain five drainage retention basins in Los Osos. The drainage retention basins are Bay Oaks, East Tierra, and Tierra retention basins in the Bayridge Estates subdivision; Madera retention basin in Cabrillo Estates; and, Los Arboles retention basin in Vista de Oro.

The LOCSD provides **free sand** for sandbags at Station 15-South Bay Fire Department on Bayview Heights Drive and at the LOCSD Utilities Water Yard at 8th Street and El Moro Avenue. Sandbags are available for purchase at the LOCSD Main Office, 2122 9th Street, and at the Fire Department - **\$4.50 for a bundle of 10 or \$.45 each**.

The LOCSD main office has lobby hours between 9:00 am and 3:00 pm

What is an Illicit Discharge?

Illicit discharges are generally any discharge into a storm drain system this is not composed entirely of stormwater. The exceptions include water from fire fighting activities and discharges from facilities already under an NPDES permit. Illicit discharges are a problem because, unlike wastewater which flows to a wastewater treatment plant, stormwater generally flows to waterways without any additional treatment. Illicit discharges often include pathogens, nutrients, surfactants, and various toxic pollutants. If you see water running down the street and there are no firefighting or water operations activities going on in the immediate area, please report it to the LOCSD main office at **805-528-9370**.

You may also report illegal dumping by clicking on the link at the bottom right and fill in the form. This goes directly to the San Luis Obispo County Environmental Health Department.

[More on Stormwater from the USEPA](#)

The Los Osos Community Services District is a proud sponsor of the annual Coastal Cleanup Day. Volunteers are needed to help clean up the coast on Saturday, September 19, 2015 from 9:00 am until noon. Volunteers can sign up here: <http://ecoslo.org/coastal-cleanup-program/>



[SLOW THE FLOW](#)
Make Your Landscape
Act Like a Sponge - A Video from the SWRCB

[SWALES ARE SWELL AND SO ARE RAIN GARDENS](#)
A Video from the SWRCB

[WHAT IS STORM WATER RUNOFF?](#)
A Video from the SWRCB

[STORM WATER POLLUTION](#)
A Video from the State Water Boards
Keeping California Water Clean

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

| Month | Rainfall (Inches) | | Rainfall (Inches) | | Rainfall (Inches) | | Rainfall (Inches) | |
|--------------|-------------------|--------------------|-------------------|---------------------|-------------------|--------------------|-------------------|---------------------|
| | Year | | Year | | Year | | Year | |
| 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 | | 2014 | 0.00 | 2013 | 0.00 | 2012 | 0.00 |
| September | 2015 | | 2014 | 0.00 | 2013 | 0.00 | 2012 | 0.00 |
| October | 2015 | | 2014 | 1.21 | 2013 | 0.29 | 2012 | 1.17 |
| November | 2015 | | 2014 | 1.56 | 2013 | 0.36 | 2012 | 1.03 |
| December | 2015 | | 2014 | 4.93 | 2013 | 0.19 | 2012 | 2.89 |
| Total | | <u>4.34</u> | | <u>13.67</u> | | <u>3.12</u> | | <u>11.52</u> |

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.

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

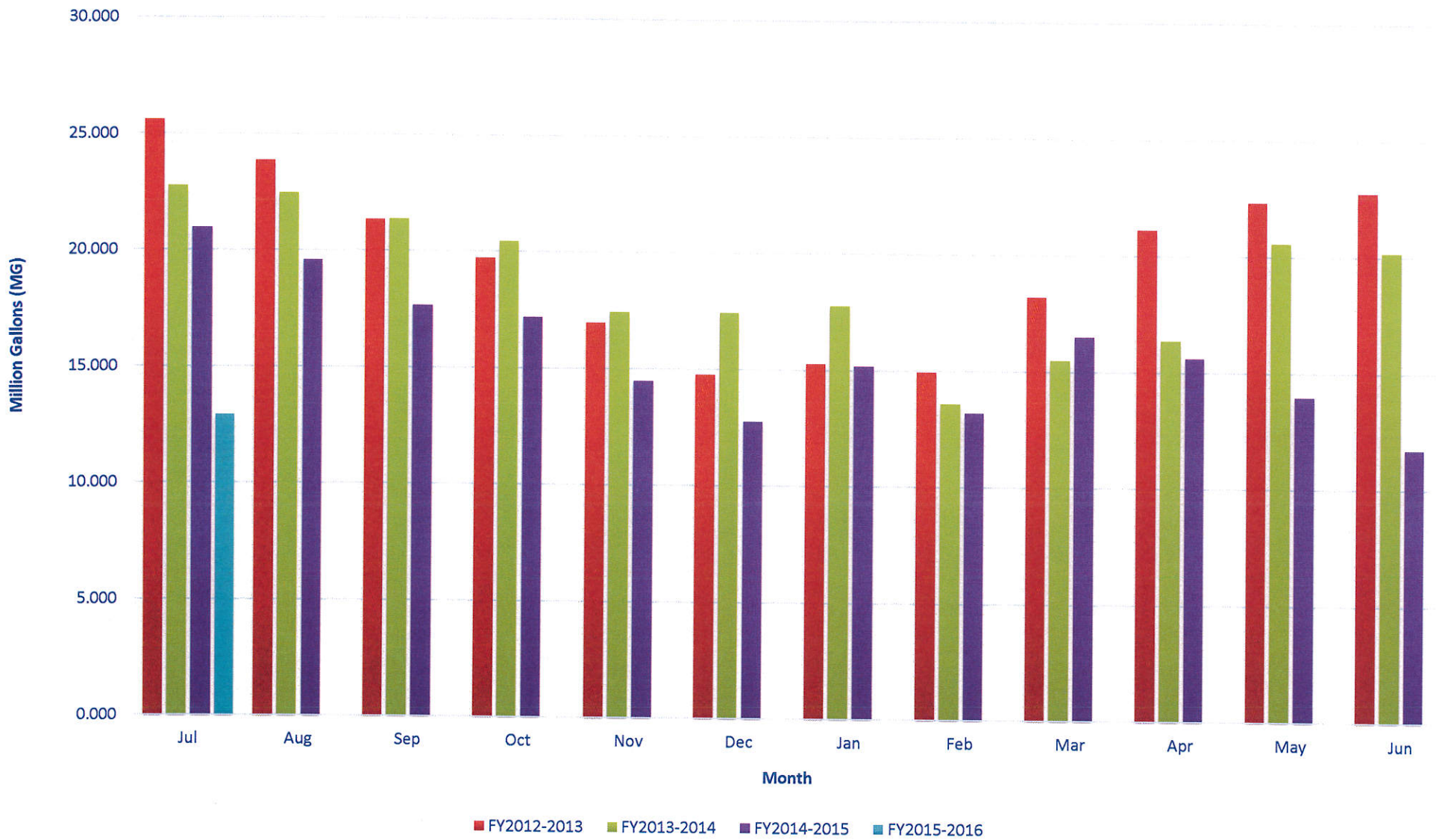
| JULY 2015 | 8th St./ El Moro Well | 3rd St./ Bayside Well | 10th St. Well | South Bay Well | South Bay Upper Well | Palisades Well | All Wells TOTAL | Last Years TOTAL | Percent% Differential |
|--|------------------------------|------------------------------|----------------------|-----------------------|-----------------------------|-----------------------|------------------------|-------------------------|------------------------------|
| Total Gallons Produced, Mgal | 3.8304 | 2.8055 | 3.2806 | 1.7259 | 0.9760 | 0.3051 | 12.9235 | 20.9793 | -38.40% |
| Average Daily Flow, Mgal | | | | | | | 0.4169 | | |
| Total Gallons to Waste (Filter Backwash), Mgal | 0.0349 | | | 0.0000 | 0.0000 | | 0.0349 | 0.0328 | |
| Total Gallons to Waste (System Flushing), Mgal | | | | | | | 0.0415 | 0.0000 | |
| Distribution System Losses (Water Line Breaks), Mgal | | | | | | | 0.0000 | 0.0000 | |
| Total Gallons Adjusted, Mgal | 3.7955 | | | 1.7259 | | | 12.8471 | 20.9465 | -38.67% |
| Pump Runtime, total hours | 187.0 | 667.7 | 177.3 | 604.2 | 440.0 | 111.9 | 2188.1 | 2231.6 | -1.99% |
| Daily Avg. Runtime, hours/day | 6.0 | 21.5 | 5.7 | 19.5 | 14.2 | 3.6 | | | |
| Energy Used, kWatts | 7291 | 5321 | 8140 | 10031 | | 5790 | 36573 | 49477 | -26.08% |
| Eff. Ratio, kWatts/hr | 38.99 | 7.97 | 45.91 | 16.60 | | 51.74 | | | |
| Chlorine Used, total gallons | 53.1 | 24.0 | 18.2 | 30.9 | | 51.8 | 178.0 | 255.7 | -30.38% |
| Aqua Mag, pounds | 59.0 | | 33.6 | 0.0 | | 28.2 | 120.8 | 195.8 | -38.30% |
| Static water level, ft. | 30.80 | 6.90 | 152.80 | 124.60 | 94.80 | 102.10 | | | |
| Pump water level, ft. | 137.60 | 52.80 | 246.00 | 182.20 | 117.30 | 214.60 | | | |
| Draw-down level, ft. | 106.80 | 45.90 | 93.20 | 57.60 | 22.50 | 112.50 | | | |
| Gallons per minute | 346 | 74 | 330 | 29 | 29 | 334 | | | |
| Pressure, psi | 94 | 76 | 35 | 60 | 60 | 56 | | | |

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 | |
| Sep | 21.340 | 21.380 | 17.668 | |
| Oct | 19.708 | 20.431 | 17.169 | |
| Nov | 16.939 | 17.436 | 14.482 | |
| Dec | 14.747 | 17.431 | 12.759 | |
| 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 | 188.791 | 12.924 |

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

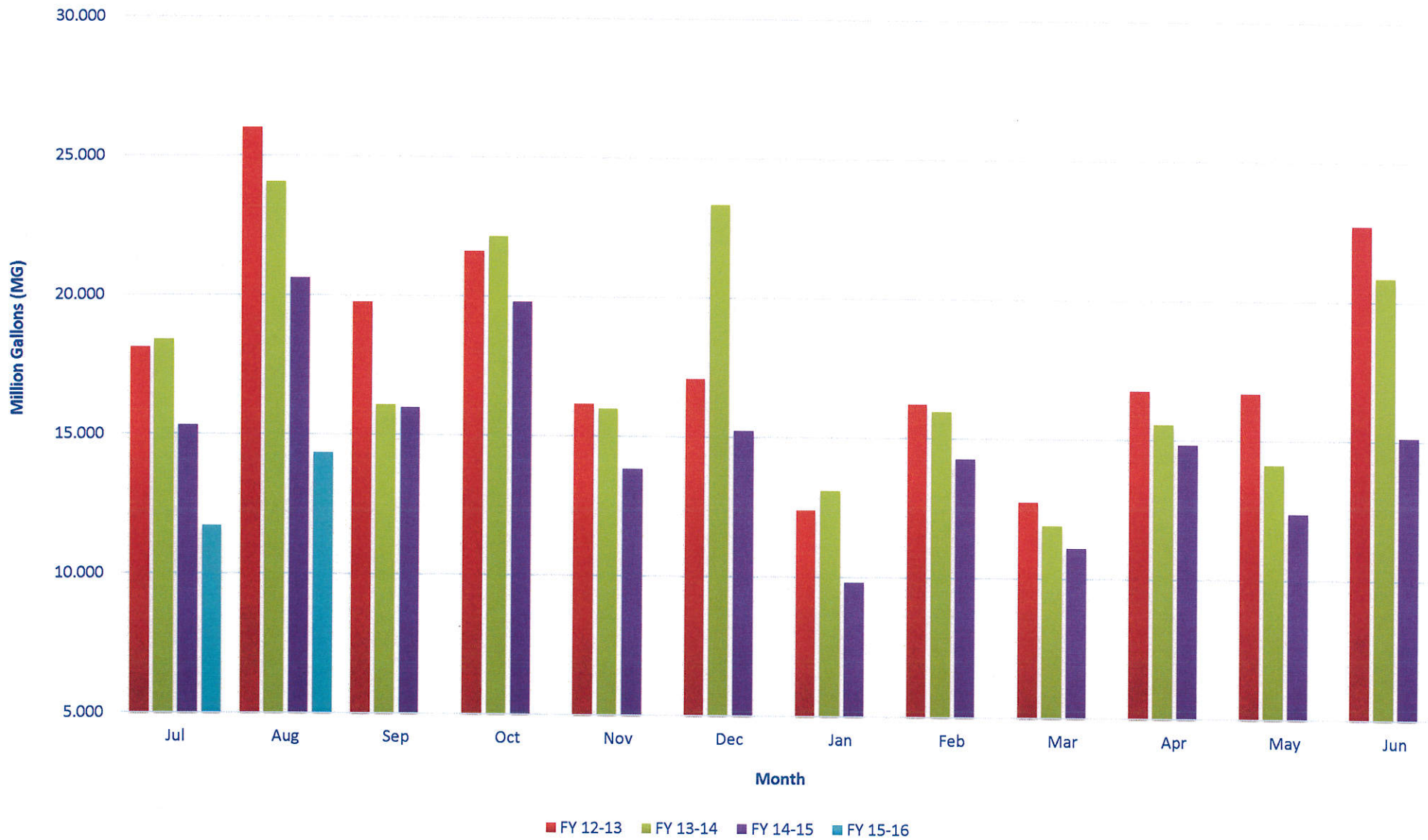


LOCSD Water Data

| Water Consumption Data in Million Gallons | | | | | | |
|---|----------------|--------------|----------------|----------------|----------------|---------------|
| % of Service Area | Billing Period | | FY 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 | |
| 57 | 8/11 to 10/10 | Oct | 21.617 | 22.142 | 19.804 | |
| 43 | 9/11 to 11/10 | Nov | 16.155 | 15.994 | 13.830 | |
| 57 | 10/11 to 12/10 | Dec | 17.096 | 23.342 | 15.236 | |
| 43 | 11/11 to 1/10 | Jan | 12.406 | 13.105 | 9.828 | |
| 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 | 26.051 |

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

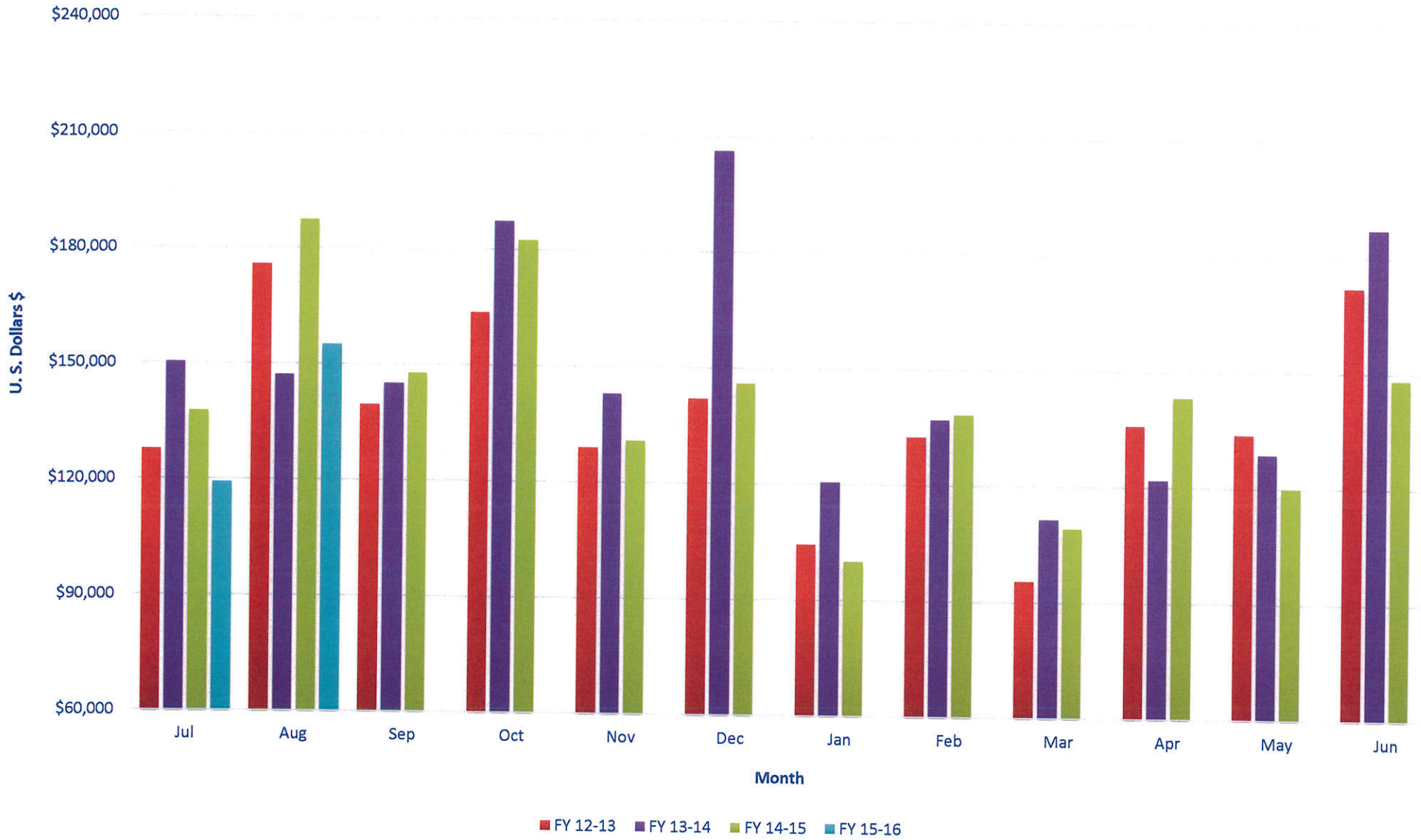


LOCSD Water Data

| 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 | |
| 57 | 8/11 to 10/10 | Oct | \$163,698.98 | \$187,431.78 | \$182,463.96 | |
| 43 | 9/11 to 11/10 | Nov | \$128,918.55 | \$143,029.03 | \$130,772.31 | |
| 57 | 10/11 to 12/10 | Dec | \$142,026.32 | \$206,187.91 | \$145,977.27 | |
| 43 | 11/11 to 1/10 | Jan | \$104,328.08 | \$120,500.40 | \$99,970.19 | |
| 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 | \$274,133.57 |

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





The State of California recently announced a rebate program to replace old toilets and turf. The program will help carry out Governor Brown's April 1 Executive Order on drought to further reduce water use. This is available on a first-come first-served basis. Follow the instructions closely. **The LOCSD is not handling these rebates.**

Rebates can be found at the following web site: <http://saveourwaterrebates.com/>



REBATES

[Claim Your Rebate](#)

[About the Program](#)

TURF
REPLACEMENT
REBATES

Replace your turf grass and receive a rebate of up to \$2,000!

CLAIM YOUR
Turf Replacement
REBATE

CLICK HERE FOR MORE INFO

CLAIM YOUR
Toilet
REBATE

CLICK HERE FOR MORE INFO

A link to this site is also available on the LOCSD Water Conservation Page
<http://www.lososocsd.org/cm/utilities/water-conservation.html>