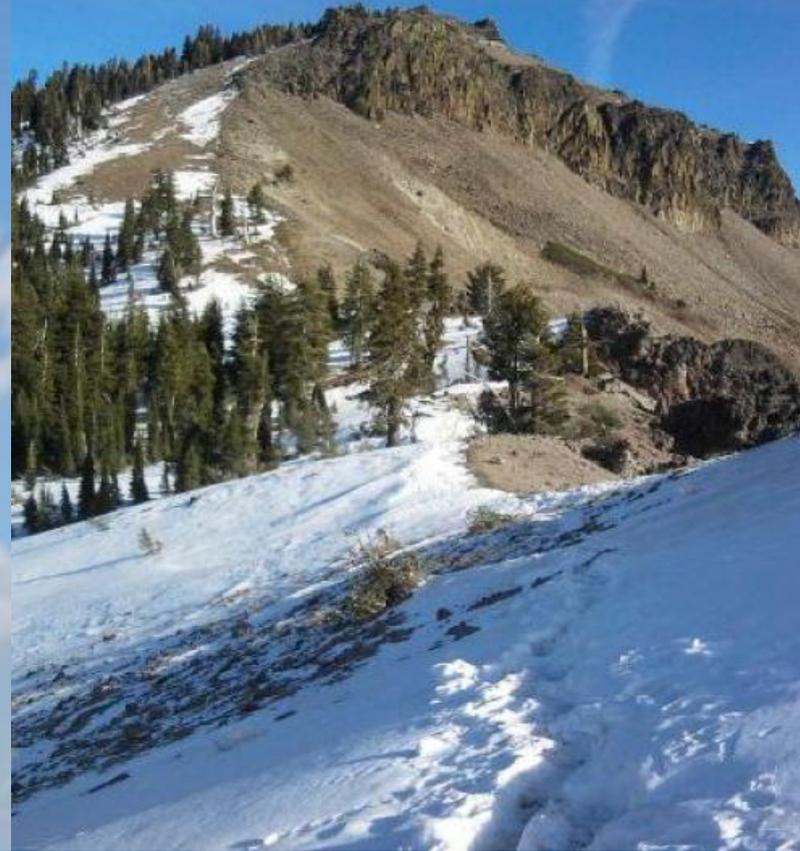


# Water Utility Response to the Drought



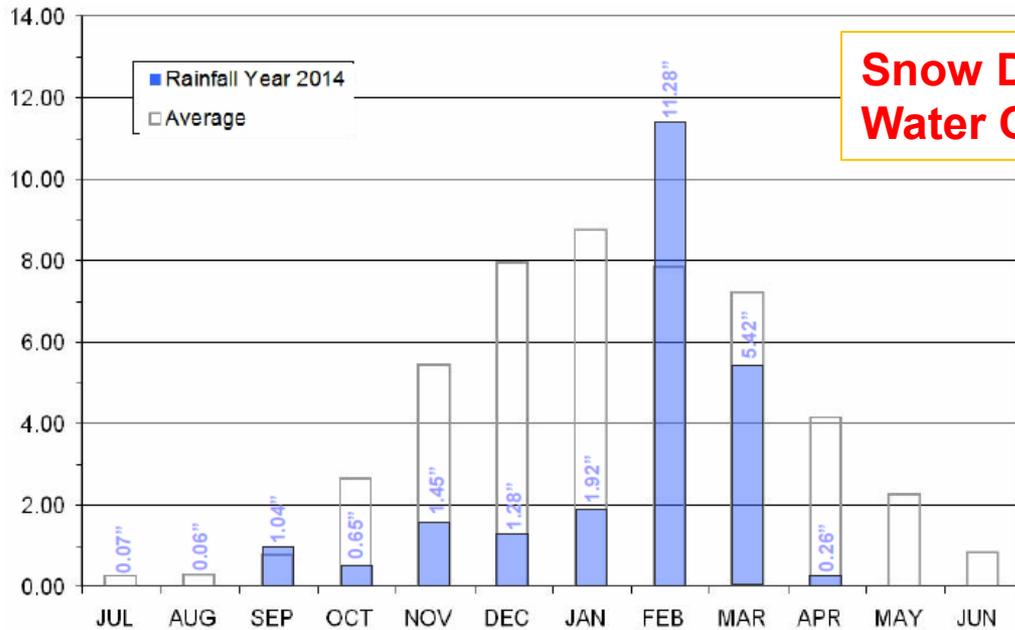
Richard Harris  
Water Conservation Manager

California Drought Forum  
May 15, 2014

# Current Precipitation & Snow



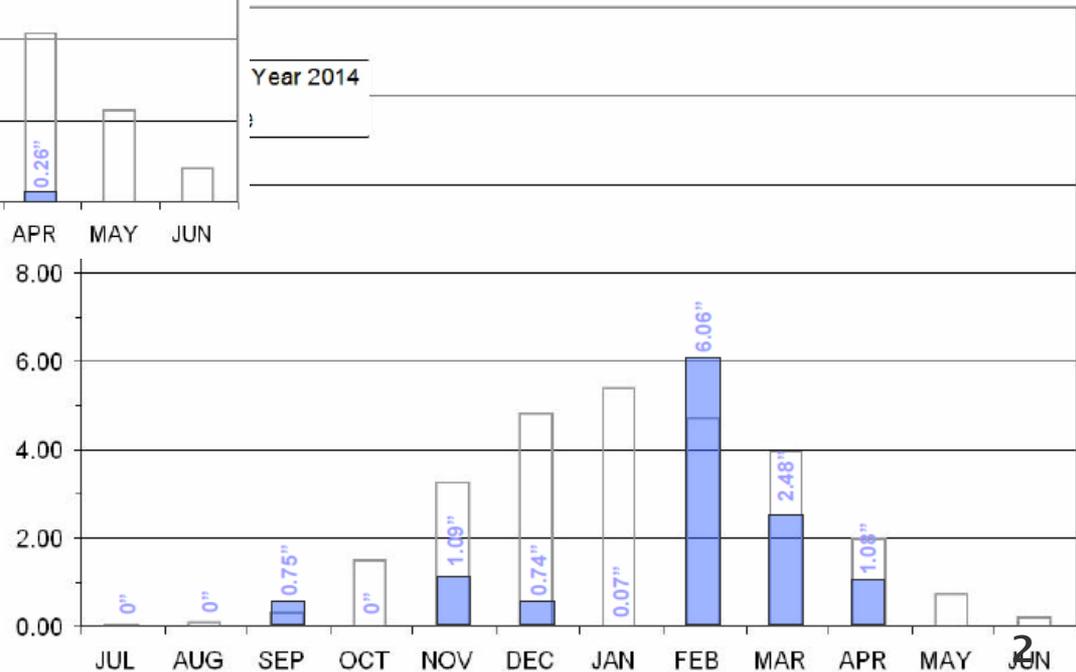
Mokelumne 4-Station Average Precipitation (in)



**Snow Depth 14" (25%)  
Water Content 9" (36%)**



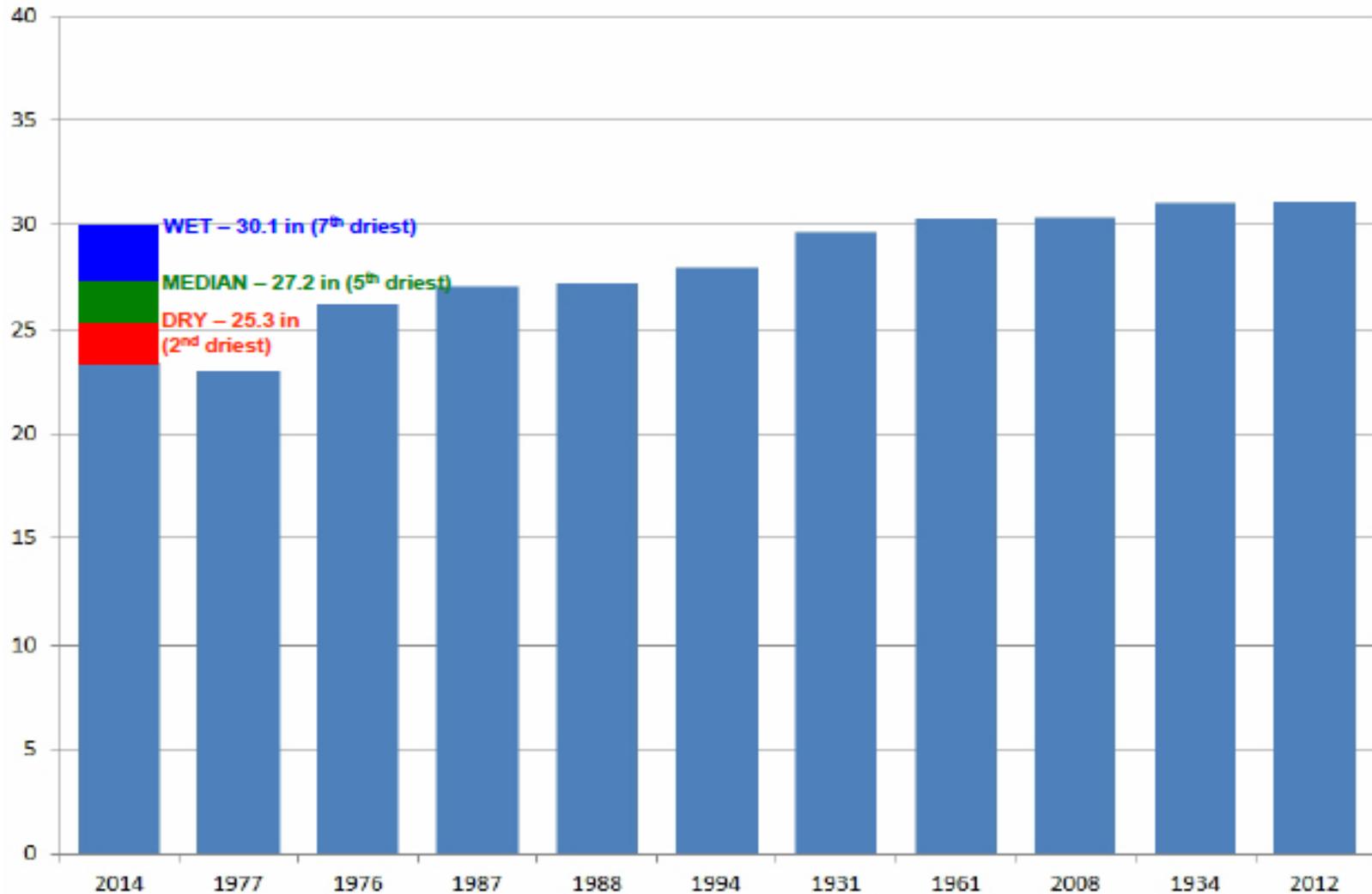
East Bay Precipitation (in)



# Dry Year Comparison



Precipitation (in) - Top Ten Driest Rainfall Years



# Current Reservoir Storage



<b>As of 04/20/14</b>	<b>Current Storage</b>	<b>Percent of Capacity</b>	<b>Percent of Average</b>
Pardee	163,280 AF	82%	89%
Camanche	179,960 AF	43%	59%
East Bay	127,400 AF	84%	90%
<b>Total System</b>	<b>470,640 AF</b>	<b>61%</b>	<b>75%</b>

# Water Year 2014 Review



- Rainfall Year 2014 is the 4<sup>th</sup> driest year in the Mokelumne Watershed
- 4% of the precipitation accumulation season remains
- Received approx. 195,000 acre-feet of runoff to date [Normal = 750,000 AF]
- Projected end of September storage is 420,000-455,000 acre-feet [Target >500,000 AF]



# Meeting Dry Year Needs



## CONSERVATION

10%  
VOLUNTARY  
REDUCTION

water  
SMART



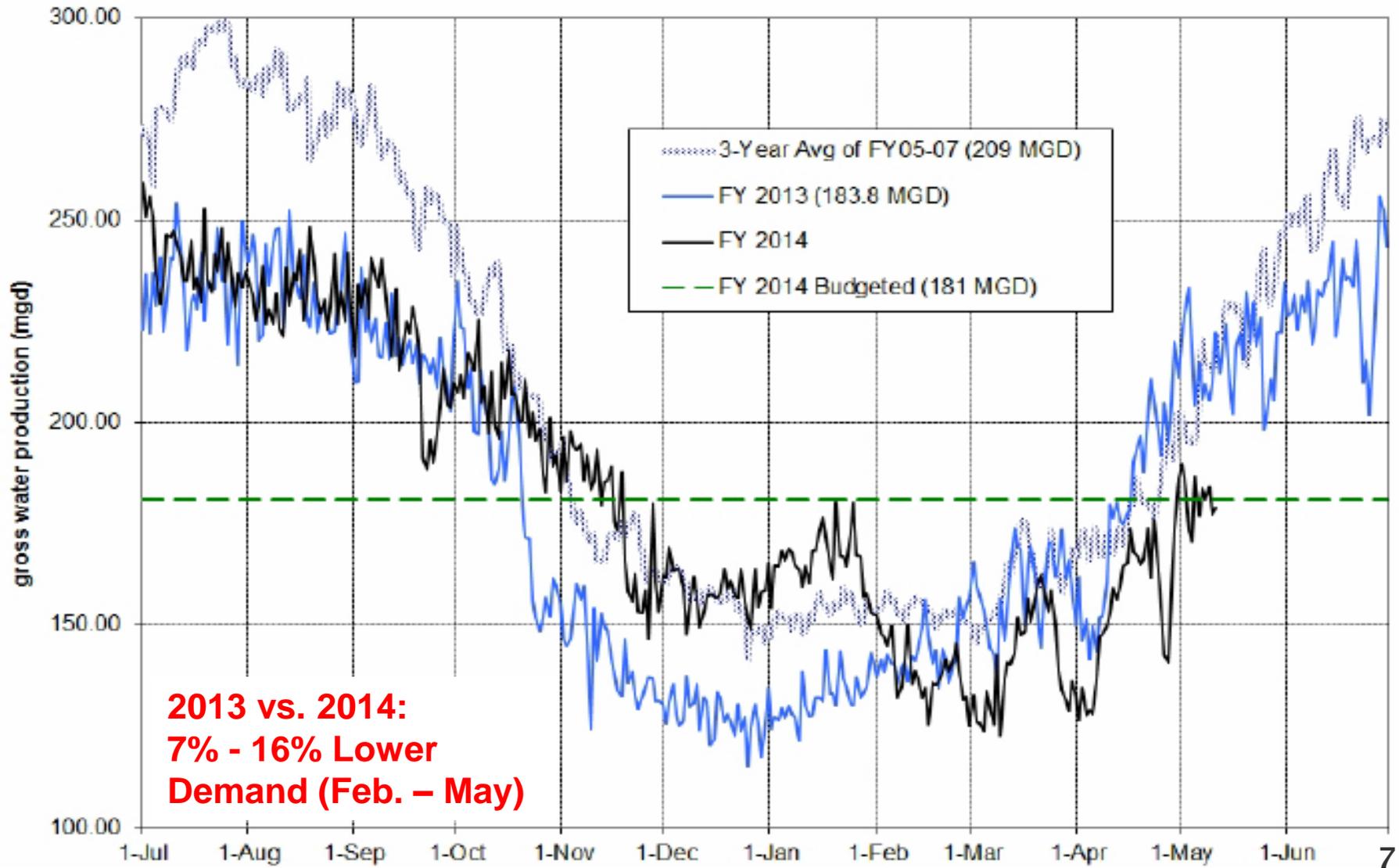
## SUPPLEMENTAL SUPPLY

## RECYCLING



## INTERTIES

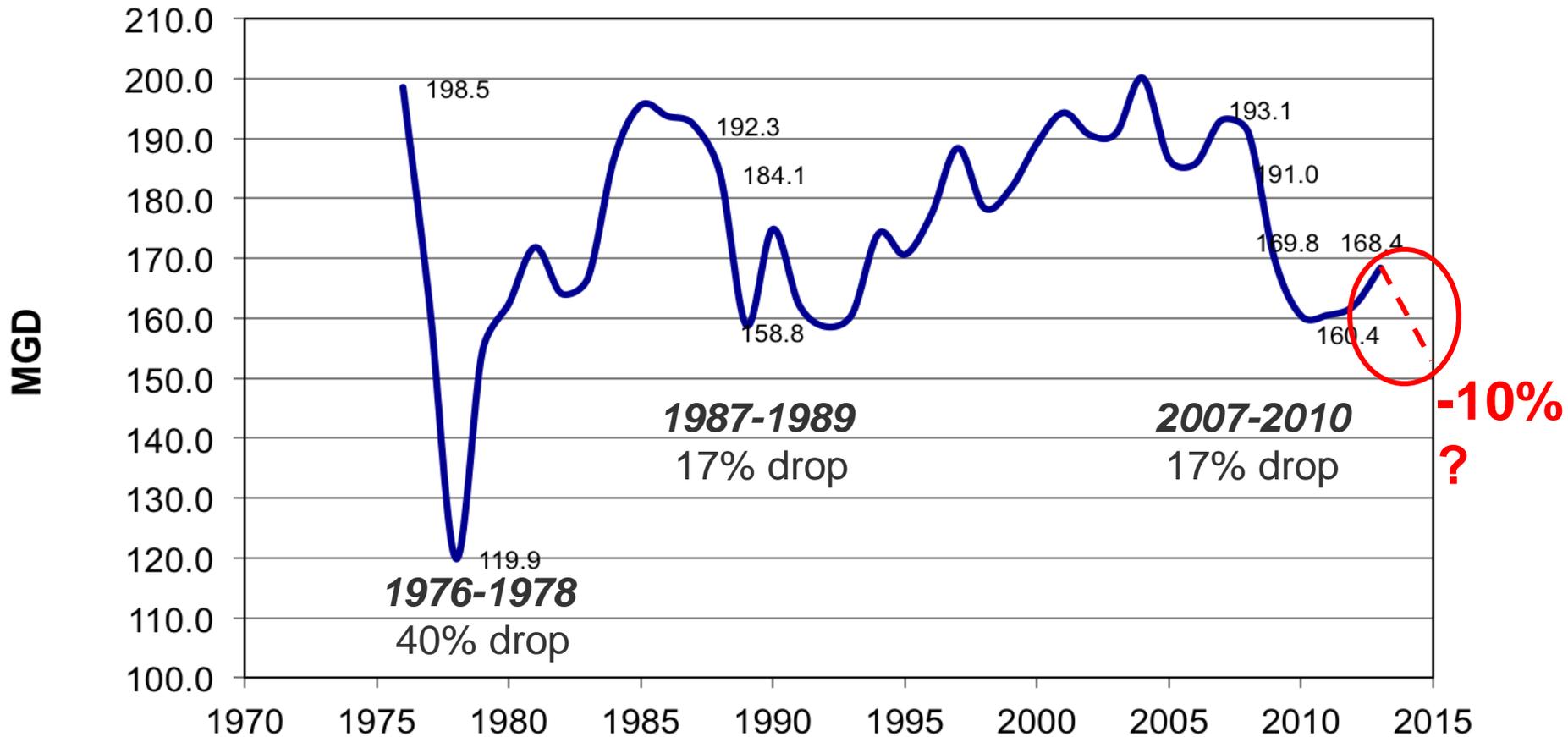
# Current Gross Water Production



# Historic Metered Consumption



## Metered Consumption



# EBMUD Drought Outreach Goals



- Providing specific information to customer classes on how to save
- Offering free devices, technical assistance and rebates to help customers
- Commercial and residential landscape water budgets
- WaterSmart business certification outreach
- Single family home water report pilot expansion
- Thanking our routine conservers

**EAST BAY MUNICIPAL UTILITY DISTRICT**

**water SMART** Home Water Use Calculator

Thank you for participating in our Single Family Water Budget Program. The following is your customized water usage profiles for the last two years. The graphical description compares your measured water usage versus your budgeted water usage for each billing period. The purpose of the budget report is to show customers how efficiently water is being used inside and outside the home.

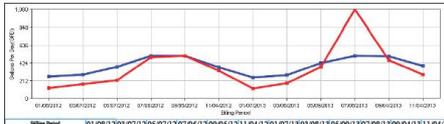
Customer Name: Charles Bohig  
Service Address: 47 Bates Dr  
City: Orinda  
Account #: 1305040001  
Meter #: 92841187  
Est. Irrigated Area(s), ft<sup>2</sup>: 3105  
Household occupants: 4  
Base Household use: 200



**Water Budget Summary**

	Used	Budgeted
Gallons used last 12 months	150,381	143,305
Gallons used previous year	144,444	143,305
Percent of budget met 12 months	105%	100%
Percent of budget met previous year	80%	100%
2 years estimated savings in gallons:	21,317	

Irrigated Area at 47 Bates Dr



Billing Period	Budget (GPD)	Used (GPD)	Conservation (GPD)	Evapotranspiration (ET) (GPD)
01/08/11-02/07/11	287	291	381	516
02/07/11-03/06/11	287	291	381	516
03/06/11-04/05/11	287	291	381	516
04/05/11-05/04/11	287	291	381	516
05/04/11-06/03/11	287	291	381	516
06/03/11-07/02/11	287	291	381	516
07/02/11-08/01/11	287	291	381	516
08/01/11-08/31/11	287	291	381	516
08/31/11-09/30/11	287	291	381	516
09/30/11-10/30/11	287	291	381	516
10/30/11-11/29/11	287	291	381	516
11/29/11-12/28/11	287	291	381	516
12/28/11-01/27/12	287	291	381	516
01/27/12-02/26/12	287	291	381	516
02/26/12-03/26/12	287	291	381	516
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05/24/12-06/23/12	287	291	381	516
06/23/12-07/22/12	287	291	381	516
07/22/12-08/21/12	287	291	381	516
08/21/12-09/20/12	287	291	381	516
09/20/12-10/20/12	287	291	381	516
10/20/12-11/19/12	287	291	381	516
11/19/12-12/18/12	287	291	381	516
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01/17/13-02/15/13	287	291	381	516
02/15/13-03/14/13	287	291	381	516
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04/01/27-05/01/27	287	291	381	516
05/01/27-06/01/27	287	291	381	516
06/01/27-07/01/27	287			

# Conservation Education



- Website resources
- Classroom materials
- Fact sheets
- Door hangers
- Targeted mailings
- EBMUD workshops
- Billboards
- Handouts

**EAST BAY MUNICIPAL UTILITY DISTRICT**

Graywater Fact Sheet

**EAST BAY MUNICIPAL UTILITY DISTRICT**

Commercial Irrigation Tips

**EAST BAY MUNICIPAL UTILITY DISTRICT**

Food Services One-Stop Rebate: Air Cooled Ice Machines

**EAST BAY MUNICIPAL UTILITY DISTRICT**

Residential Conservation Rebates & Services

**EAST BAY MUNICIPAL UTILITY DISTRICT**

WaterSmart Home Survey Kit

**Kid Scoop News**

**WATER SMART**

presented by **EBMUD**

What if you turned on the faucet and nothing came out?

Replace the missing words.

GL OBE FAUCET

SURFACE DRINKABLE SALT SPOGAPS

Water, Water Everywhere

**CAPTAIN HYDRO**

WATER CONSERVATION WORKBOOK

**Efficient Devices**

**help you save water.** Ask about EBMUD rebates on new HET toilets, our commercial irrigation upgrades, and Energy Star® clotheswashers.

**HIGH-EFFICIENCY SHOWERHEADS, 2.0 Gallons Per Minute**  
About 30% of a family's total indoor water consumption is used in the shower. Although taking shorter showers certainly helps reduce this vast water user, changing just one traditional showerhead for a high-efficiency showerhead – 2.0 gpm showerheads, can help save up to 7,300 gallons of water per year!

**HIGH-EFFICIENCY KITCHEN AERATORS, 1.5 Gallons Per Minute**  
Low-flow kitchen aerators (1.5 GPM) with swivel and stream/spray adjustment. Faucet use accounts for 15.2% of an average household's daily water consumption. Installing kitchen sinks saves water and energy, and lowers utility bills as well, since less hot water used means less water being heated every day.

**HIGH-EFFICIENCY BATHROOM AERATORS, 1.0 Gallons Per Minute**  
Low-flow faucet aerators (1.0 and 0.5 GPM) increase spray velocity, reduce splash and save water. Dual threaded to fit male and female threaded faucets. It offers greater water savings than conventional faucet aerators.

Save precious water easily by using water conserving faucets, aerators, showerheads, and hose nozzles. Devices are provided free of charge to customers. Devices can be picked up at:

EBMUD - Administration Building  
375 11th Street, Oakland, CA 94607  
8:00 a.m. to 4:30 p.m.  
(Service Center in First Floor Lobby)

**water SMART**

We make it easy to conserve. **EBMUD**



*Thank you for conserving...*

**LEAK** is a four  
letter  
word.



[ebmud.com](http://ebmud.com)

*be* water  
**SMART***er*