



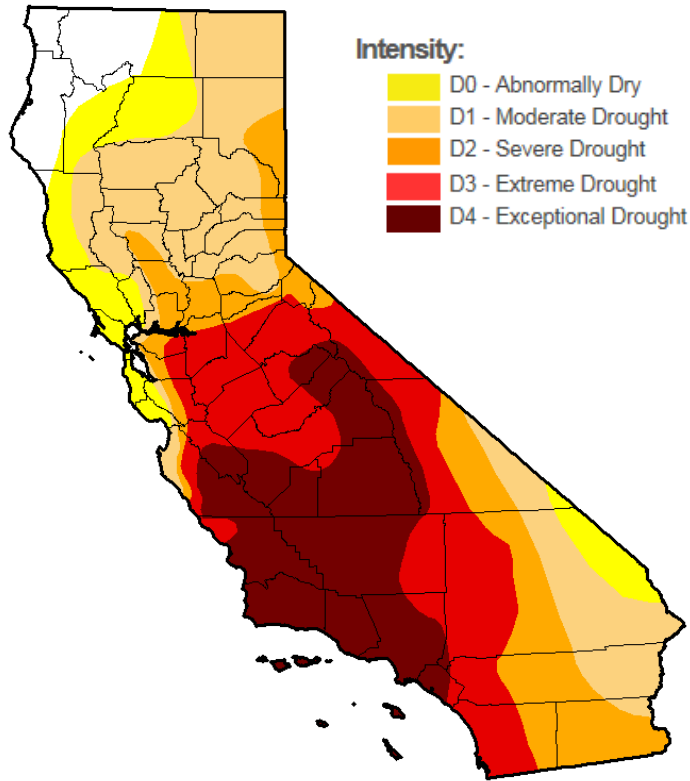
moulton niguel water district

DROUGHT RESPONSE UPDATE

Citizen's Advisory Committee Board Meeting

July 13, 2016

STATEWIDE AND REGIONAL ACTIONS



- January 2014: Gov. Brown issues call to action
- May 2015 Mandatory Reduction Targets
- November 2015: Extension through October 2016
- May 9: Executive Order for Long Term Framework
- May 18: SWRCB adjust targets and looks to local action (through January 2017)
- MWD reduces Drought Stage
- January 2017: Permanent Regulation released



SELF-CERTIFICATION APPROACH

- State Method:

Compare 2013/2014 Demands against 3-year outlook

- Our approach:

Compare 2013/2014 demand against efficient use

- Maintains consistency with long term framework

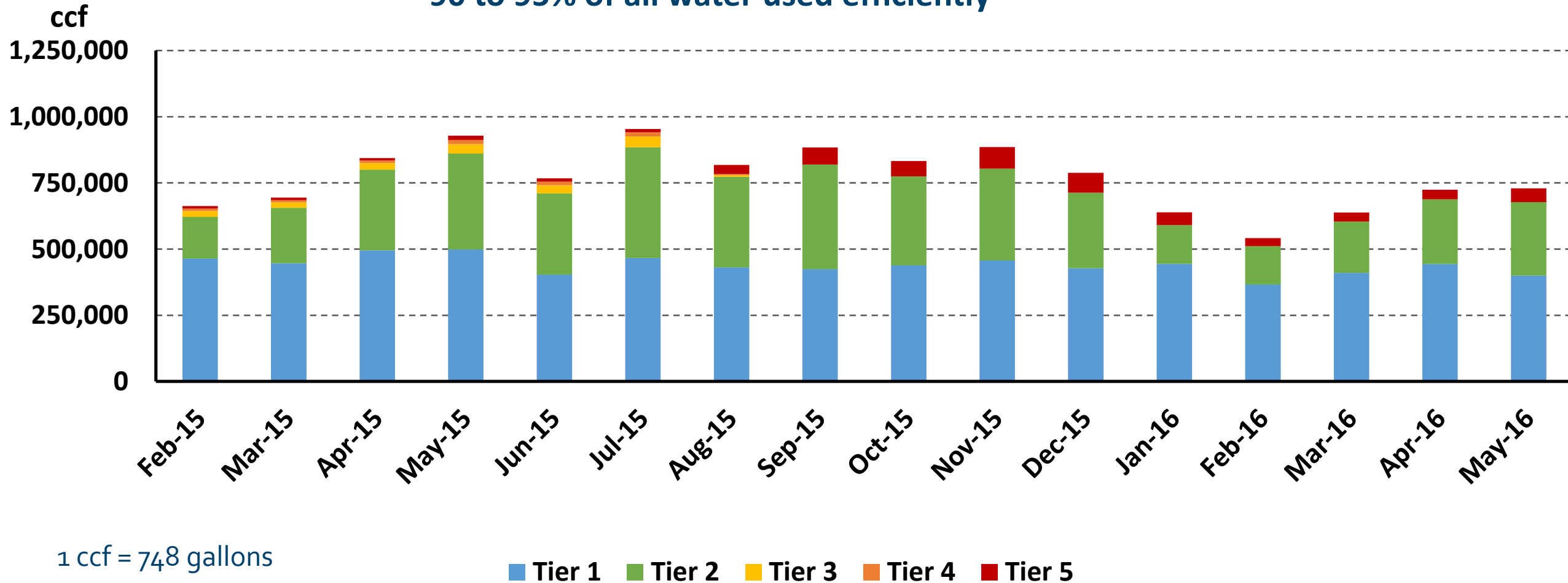
REGIONAL RESPONSE

- Coordination with suppliers for self-certification
 - Local and regional
- State coordination with ACWA and other agencies in messaging

“Not about using less; its about wasting less”
- Customer response & success

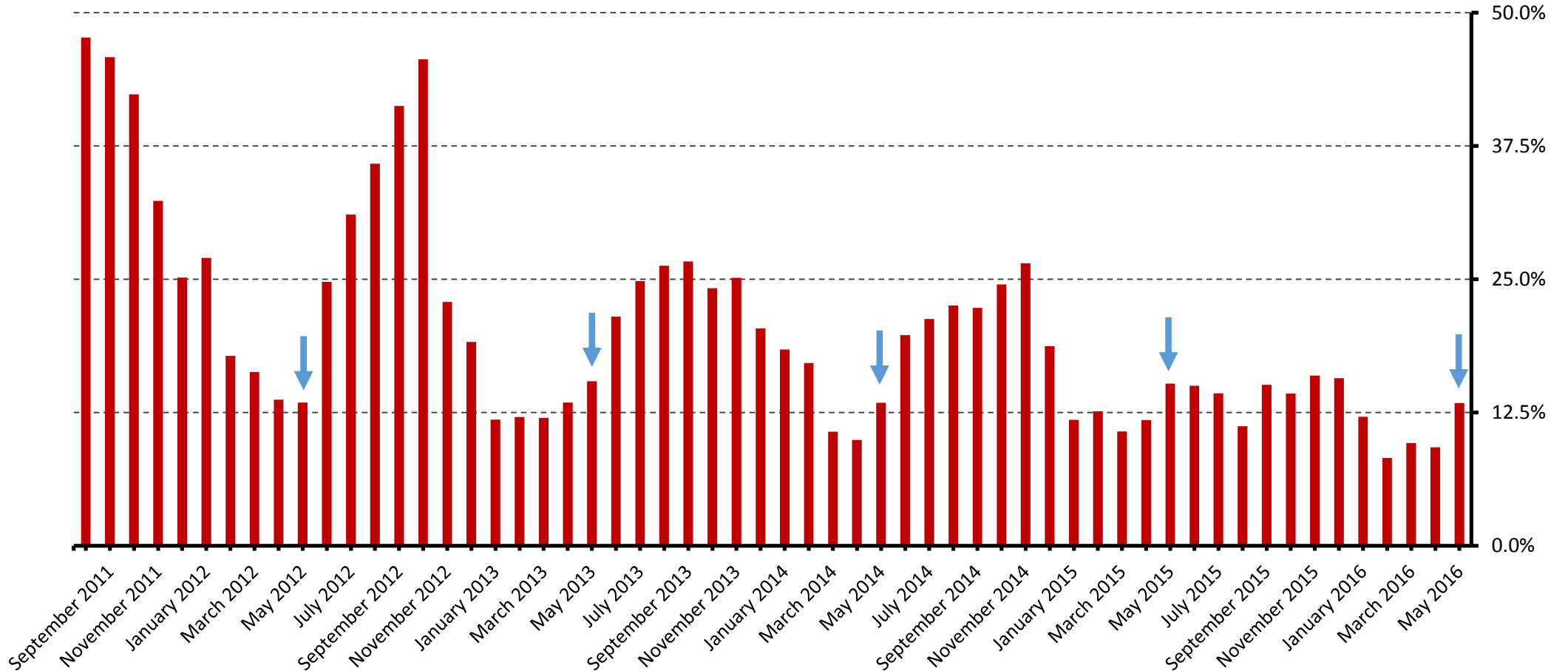
POTABLE WATER USAGE BY TIER

90 to 95% of all water used efficiently



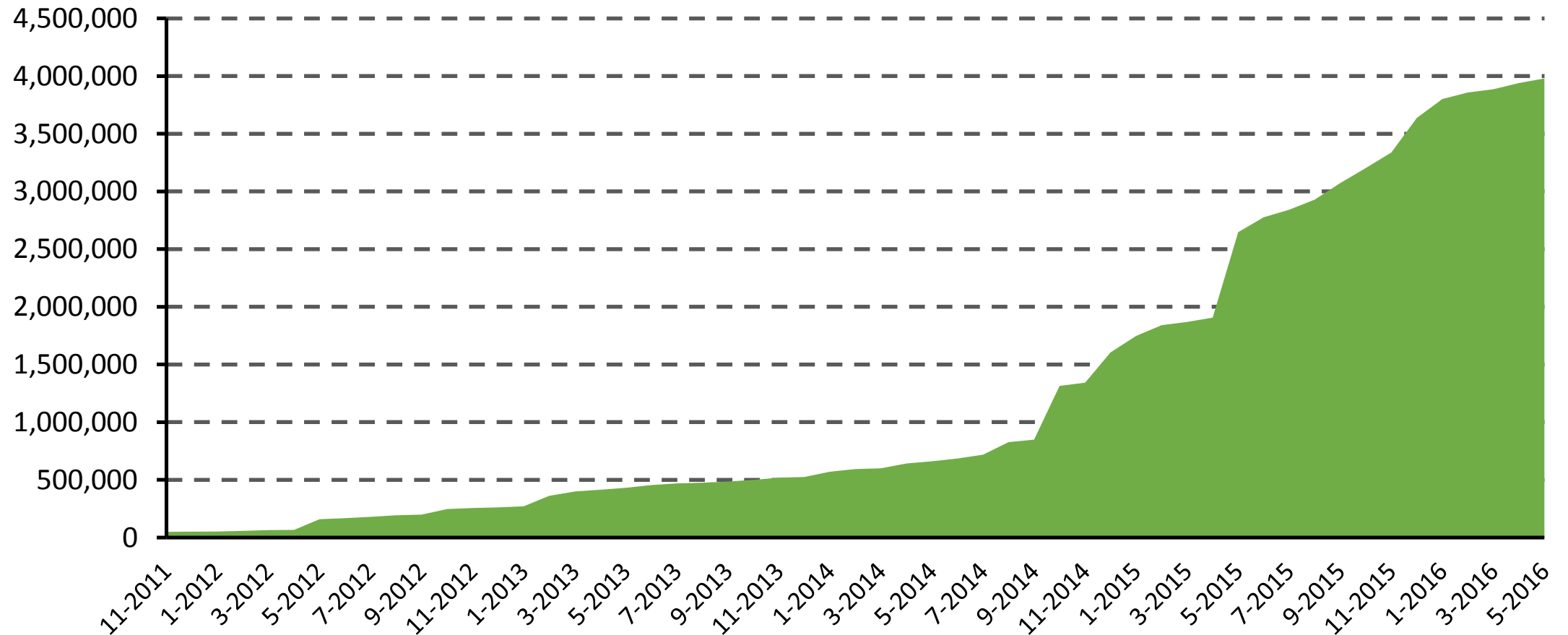
BILLS OVER-BUDGET

Approximately 90% of customers not impacted by penalties



TOTAL TURF REMOVED

Square Feet



CUSTOMER COMMUNICATIONS

- Website redesign
- Newspaper Ads
- Targeted Emails
- Facebook Ads
- Monthly Newsletter



Drought or No Drought?

The latest action by the State Water Resources Control Board (SWRCB) had the headlines flying. After nearly a year of emergency regulations that mandated strict curbs, it's no wonder that we are quick to hope that there's relief from this unprecedented drought condition. The hope was further fueled in Southern California as Metropolitan Water District of Southern California (MWD), wholesale water provider to approximately 19 million people, rescinded its Allocation Plan that required 15 percent reduction. But the fact is - the drought is not over.

In order to reconcile some of the concerns that we're hearing, it's helpful to understand the context. Last June, as dry conditions worsened and some communities were running out of water, the Governor directed the SWRCB to mandate emergency regulations because the voluntary call to reduce water use in 2014 was met with little response. The regulations would stay in effect for 9 months. Water providers were given reduction targets ranging from 4 to 20 percent, requiring them to achieve these targets within the 9 months or face a daily fine of up to \$10,000. In the history of California, this was the first time the SWRCB responded with this level of enforcement. Despite the heavy load, the people of California took to the regulations with enthusiasm, and the State achieved the Governor's goal of reducing urban water use. Then in January, due to persistent drought conditions, the emergency regulations were extended until October 2014.

During this time, we were anxiously awaiting El Niño, but in Southern California, aside from a handful of good storms, much of the precipitation bypassed us and showered the northern part of the State. At the urging of water providers who felt that their local conditions had improved from the rainfall and those who felt that their original reduction targets were problematic, the SWRCB reconsidered the regulations and modified them. The last set of modifications, set to take place this summer, will likely result in numerous agencies in Southern California seeing their targets reduced.

As of last month, the Governor issued an Executive Order directing the SWRCB and the Department of Water Resources to develop a long-term framework, requiring permanent actions to achieve water efficiency. If there was any question as to whether or not California should be concerned about prolonged dry conditions and if efficiency will be a requirement going forward, the long-term framework is a clear answer that we are living in a new reality where water efficiency has to be a part of our daily lives and ongoing awareness. New supply projects are critical to the overall reliability of the State, but every drop of water, regardless of its source, needs to be used efficiently.

And if none of the above matters, there's one thing to remember: it's not about using less; it's about wanting less. Whether it's emergency regulations, long-term frameworks, local ordinances or state legislation, what we're trying to do is eliminate water waste. We all know that water is a precious, limited, and scarce resource. Despite what the news says or what actions are mandated, we should all do the right thing. So, let's continue to do our part and take good care of the one natural resource that we all need for life.

Richard D. Caw
DIRECTOR

Diwane D. Caw
VICE PRESIDENT

Scott Calton
VICE PRESIDENT

Richard Flann
DIRECTOR

Daniel Frosch
PRESIDENT

Gary R. Kurtz
DIRECTOR

Larry Lioette
VICE PRESIDENT

Brian S. Probability
VICE PRESIDENT

27800 La Paz Rd | Laguna Niguel, CA 92677 | 949.831.2500 | mwd.com

activities & updates

Friday, July 22, 2016
Aliso Viejo National Night Out
Get to know your local police force at Aliso Viejo's National Night Out. From 5-9pm at Aliso Viejo's Grand Park on City Lights Drive, this community safety event includes family friendly activities and refreshments as well as educational demonstrations courtesy of Aliso Viejo's finest!



District Receives Financial Reporting Award
Certificate of Achievement for Excellence in Financial Reporting for the District's Annual Financial Report ending June 30, 2015. This is the fourth year in a row the District has received this award!

FOLLOW US ONLINE!
f t y in

IT'S BETTER ON TAP!

A Day of Conservation and Education at the Second Annual Live Smart Event

The District held its Second Annual Live Smart Event on May 14 from 10am-2pm at the Laguna Hills Community Center. Over 700 people attended the event with vendors and businesses on hand to help educate the community on how to save energy, water, and money! Kids enjoyed hands-on learning activities from Home Depot, Inside the Outdoors, Whole Foods, and Flowmaster while parents chatted with experts from a range of organizations, including SDG&E, Ecology Center, the OC Used Oil Program, and many more. Attendees also learned ways to be more involved in their communities from our local Chambers of Commerce.

Our 2015 water quality and consumer confidence report is available electronically online at mwd.com/CCR



WHAT ELSE CAN I DO?

- Use a commercial or self-service car wash, rather than washing at home
- Place organic mulch around plants to help them retain moisture
- Switch to water-efficient sprinkler nozzles to save water and prevent damage caused by overwatering
- Install water-efficient drip irrigation systems to water plant roots more efficiently
- Upgrade to "smart" weather-based irrigation controllers, which automatically adjust based on weather

For more information, visit www.mwd.com/yearround

Moulton Niguel Water District (MWD) provides drinking water, recycled water, and wastewater services to approximately 170,000 customers in South Orange County. Have questions? Call us at 949.831.2500 or email us at water@mwd.com.



MOVING FORWARD

- Continue WSCP Stage 2
- Maintain Consistency
 - Confusing to change
 - Upcoming long term efficiency standards
 - Messaging focused on reducing waste



moulton niguel water district

ADVANCED METER INFRASTRUCTURE PILOT

Citizens Advisory Committee

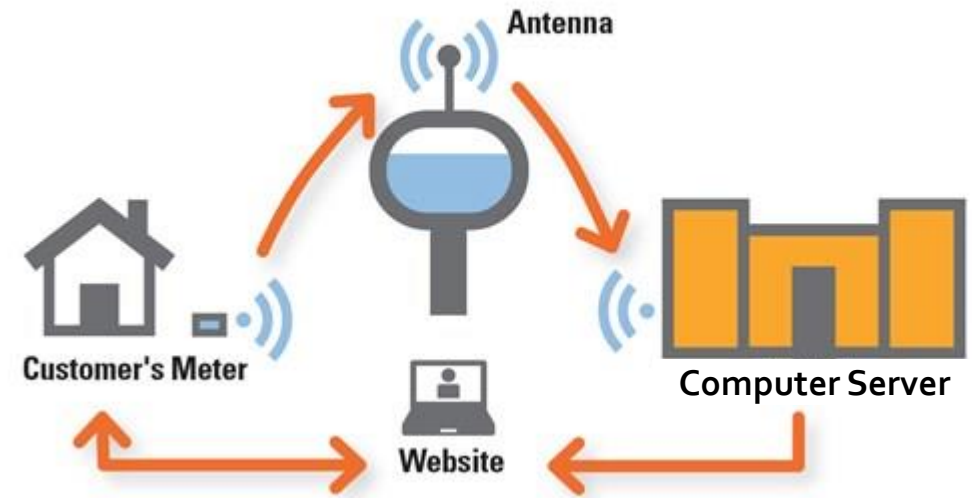
July 13, 2016

WHAT IS AMI?

- Radio-based “smart meter” system
- Allows meters to be read remotely and more frequently
- Provides near-real time usage information
- Identifies leaks and reduces water loss
- Already used by many customers through electric utility

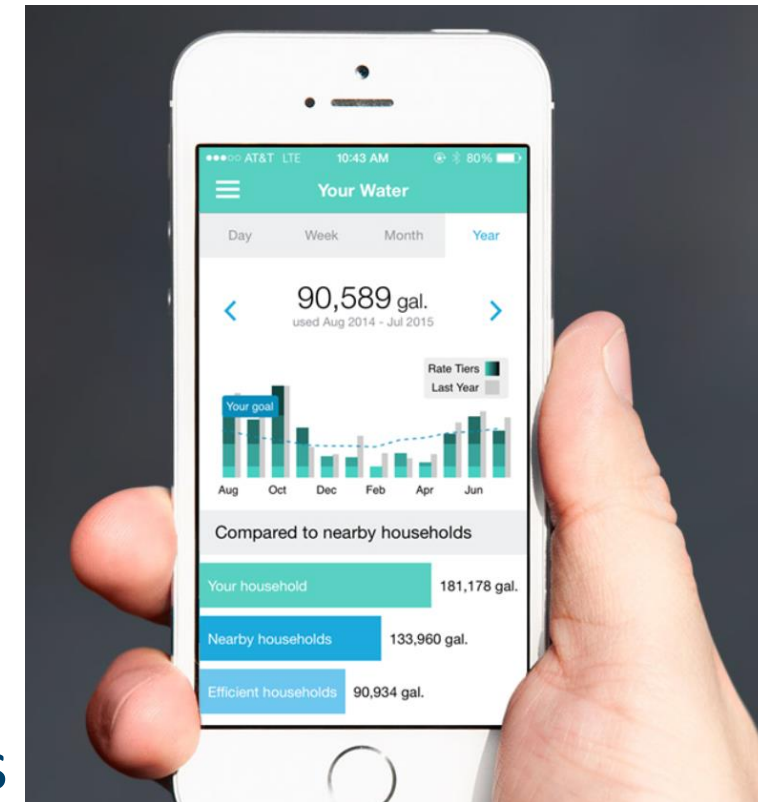
AMI PROJECT COMPONENTS

- Meter transmitter (Ex: radio)
- Collectors (Antenna)
- Software (manage data)
- Computer Server (store data)
- Customer Portal (Website)



AMI BACKGROUND

- Near Real-time water usage data
- Pilot targeted to largest users
- Operational efficiency through data analytics
- Access to more data to make informed decisions



MNWD AMI PROJECT STATUS

- All project components approved
- 5 of 7 collectors installed
- Go-Live ETA end of 2016