

# Updated and Extended Drought Emergency Regulations

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Municipal Water District of Orange County

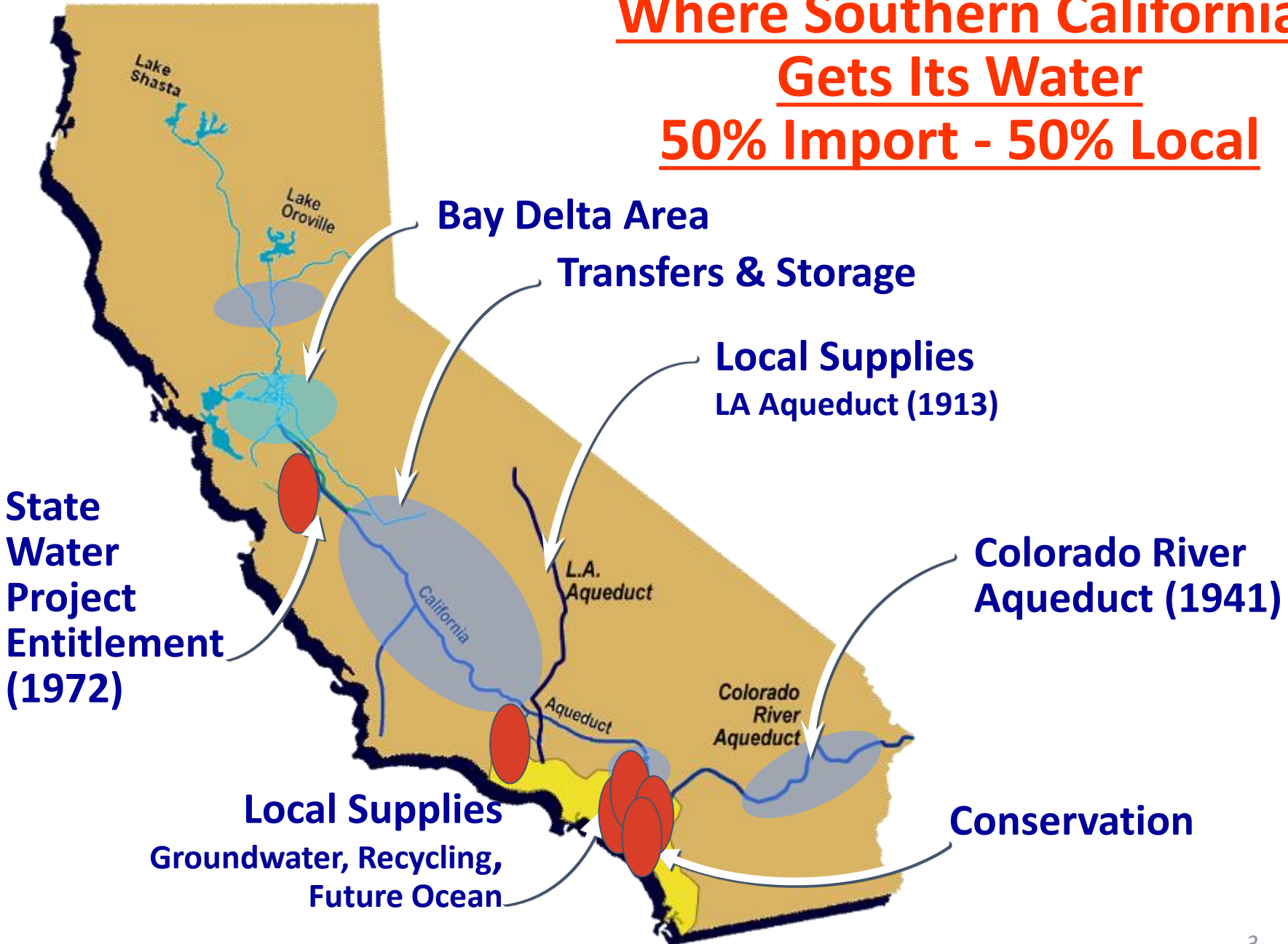
May 15, 2015

# Content of Presentation

- 💧 Water Supply Update
- 💧 Emergency Regulations
- 💧 Water Use Efficiency Programs available to schools
- 💧 Future collaboration



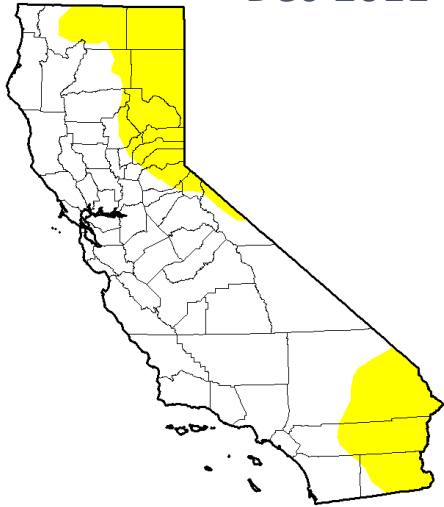
**Where Southern California  
Gets Its Water**  
**50% Import - 50% Local**



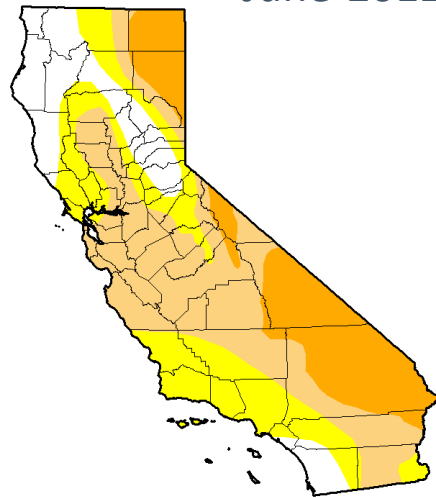


# Drought Conditions 2011- Present

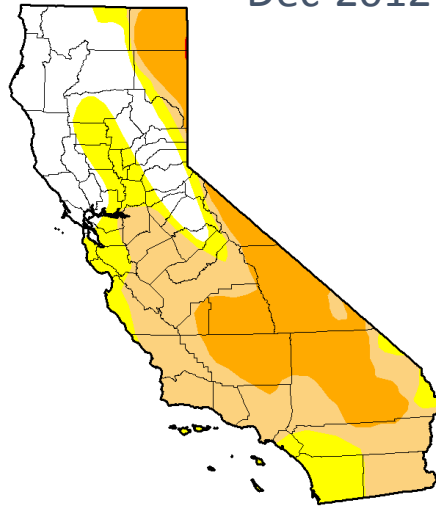
Dec-2011



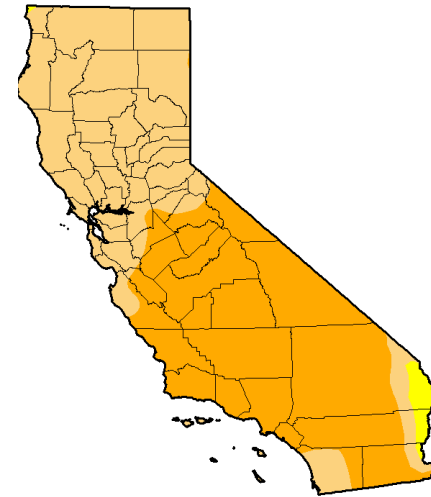
June-2012



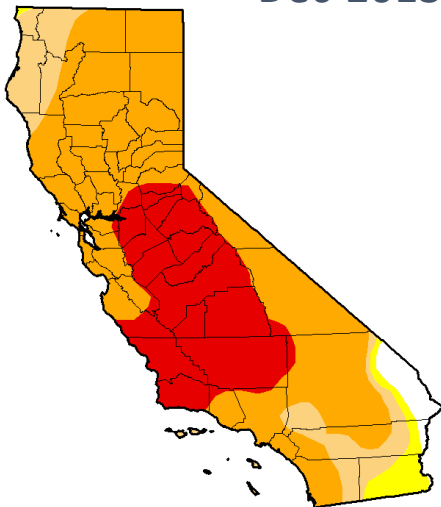
Dec-2012



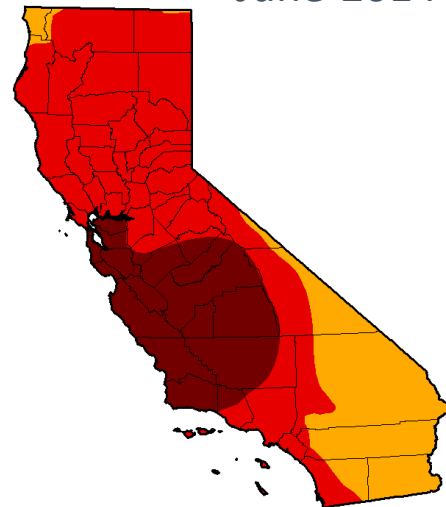
June-2013



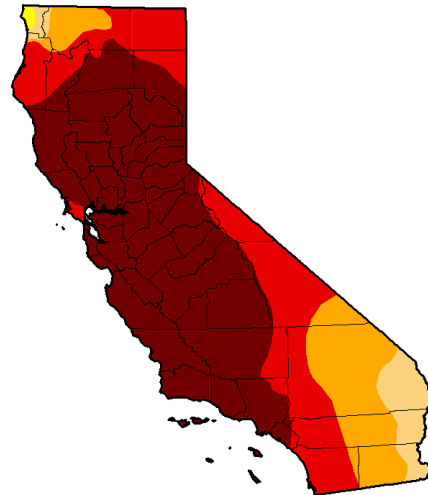
Dec-2013



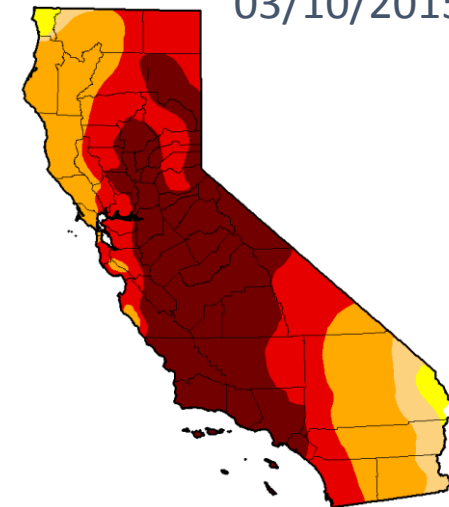
June-2014



Dec-2014



03/10/2015



Category	Description
D-0	Abnormally Dry
D-1	Moderate Drought
D-2	Severe Drought
D-3	Extreme Drought
D-4	Exceptional Drought

# Local Annual Precipitation (Santa Ana)

Cumulative Year-to-Date

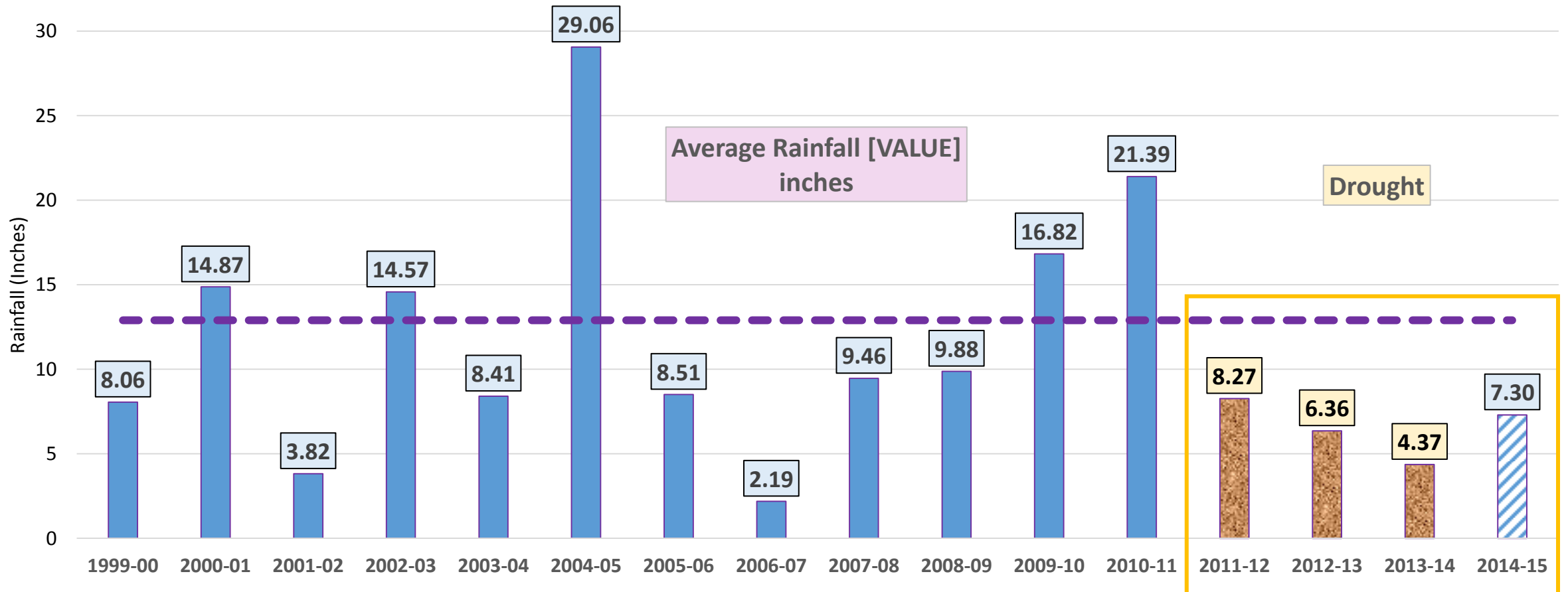
Average: 12.56"

2014-15: 7.30"

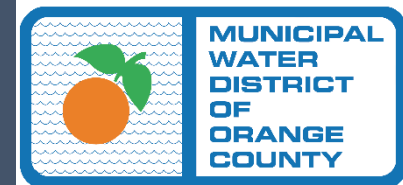
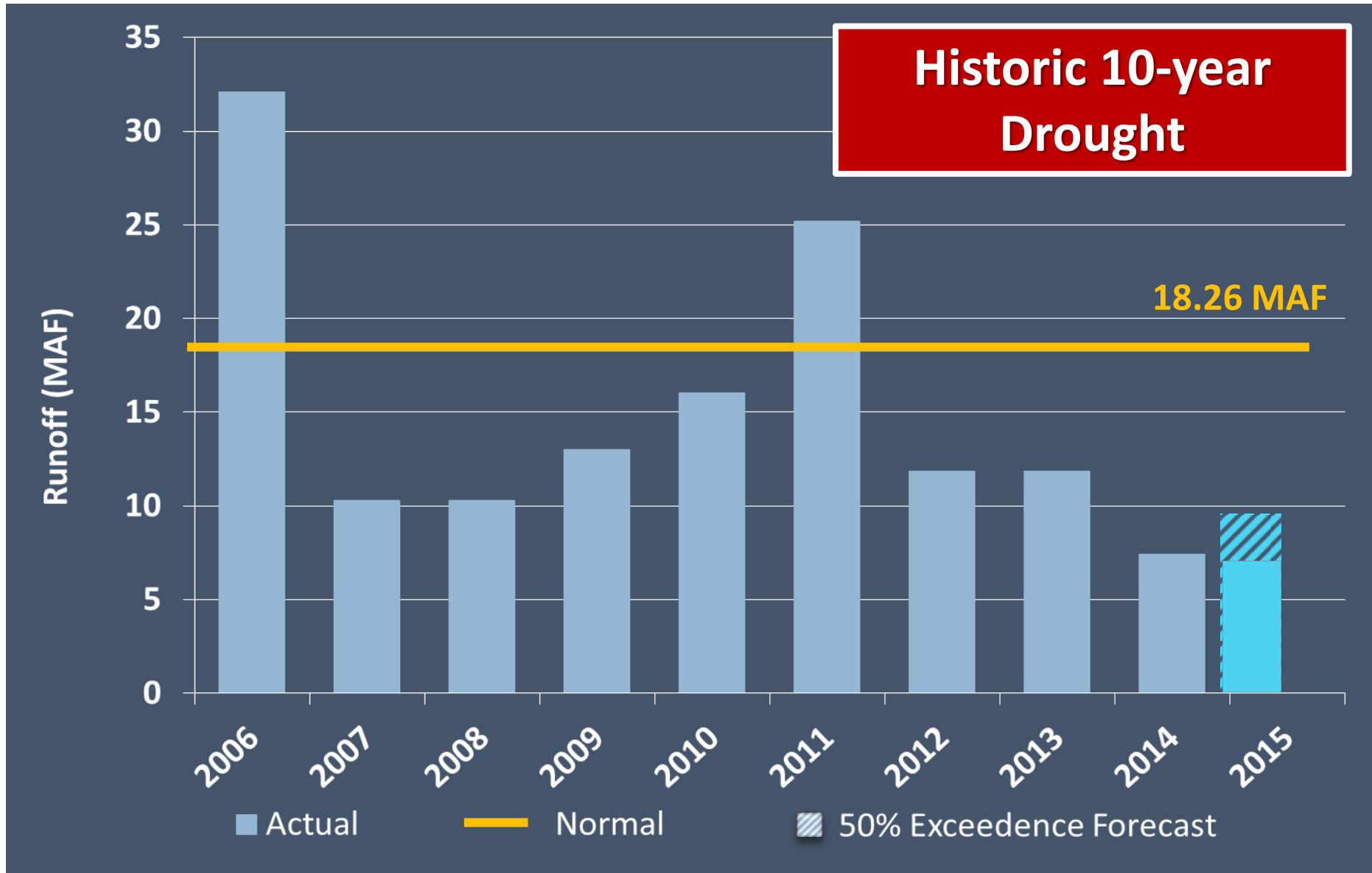
Average Annual Rainfall: 12.9"

4-Year Deficit: 25.3" (2011-12 to Present)

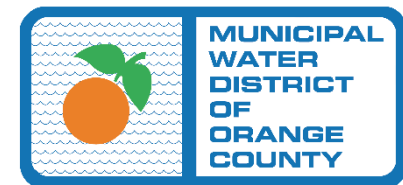
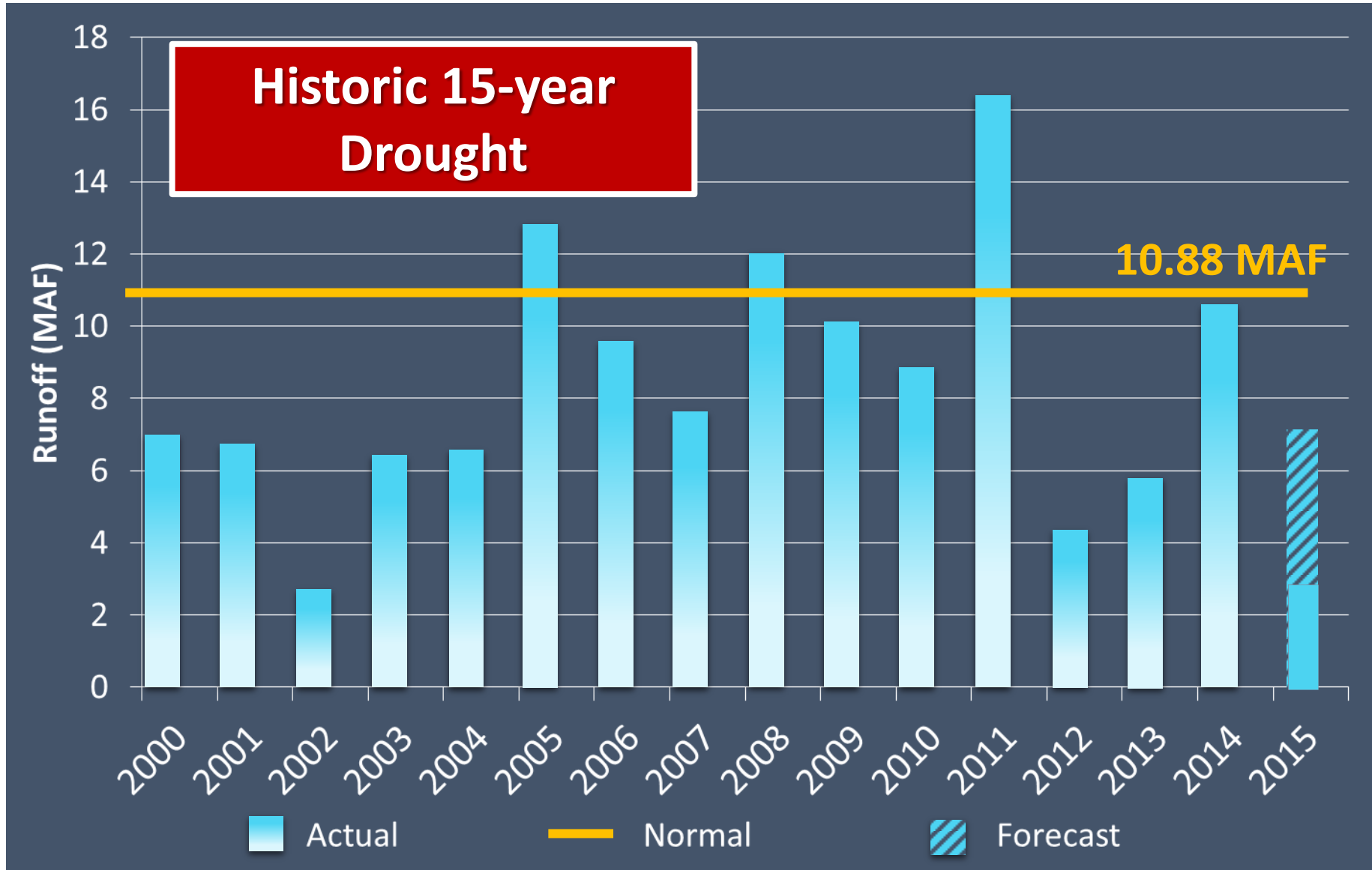
Santa Ana Annual Precipitation Statistics



# Northern California Runoff



# Upper Colorado River Basin Runoff



# Updated Emergency Regulations - Consumers

## 💧 Continuation of prohibitions on:

- 💧 Washing of hardscape
- 💧 Irrigation runoff
- 💧 Car washing without a positive shut-off hose nozzle
- 💧 Potable water use for non-recirculating water features

## 💧 New additions:

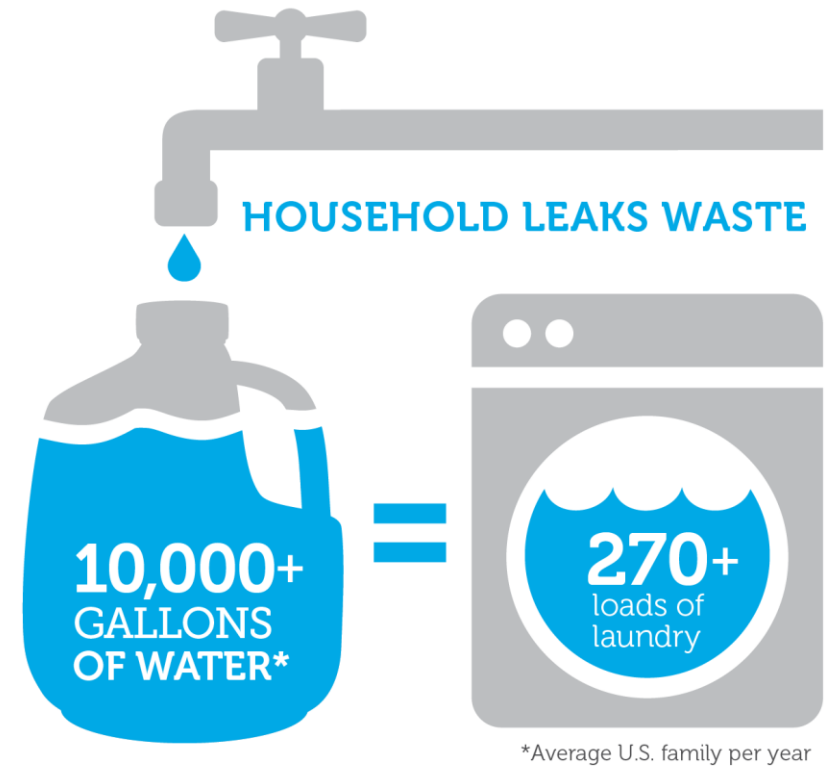
- 💧 Restaurants and bars to offer drinking water service only on request
- 💧 Hotels and motels to offer patrons the option of not having their towels and linens washed daily
- 💧 Prohibit irrigation during and 48 hours after measurable rainfall
  - 💧 “measurable” is a local determination





# Additions to Updated Emergency Regulations – Water Suppliers

- 💧 Implement level of Water Shortage Contingency Plan containing mandatory restrictions on the number of days of outdoor irrigation
  - 🚰 Includes all other actions in that level of WSCP
- 💧 Promptly notify customers when leaks appear within the customers' control



# Updated Emergency Regulations - Enforcement

## 💧 SWRCB and retail water agency enforcement provisions:

### 🔥 SWRCB

- 💧 Information Order – information request
- 💧 Conservation Order – action plan
- 💧 Cease and Desist Order
  - 🔥 may fine an agency up to \$10,000 per day for non-compliance

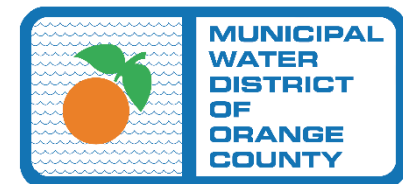
### 🔥 Retail water

- 💧 To be defined by each retail water provider



# Updated Emergency Regulations

- 💧 **Additional Enforcement Legislation Pending**
  - 💧 To place cities and water districts on equal enforcement footing
- 💧 **OC Water Agencies Working Together**
  - 💧 Outreach, Messaging and Enforcement
- 💧 **9 Tiers of Conservation Goals**
  - 💧 8% to 36% Reduction by Utility
  - 💧 Statewide Average = 25%

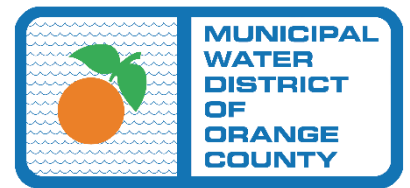


# SWRCB Regulations

## OC Conservation Goals

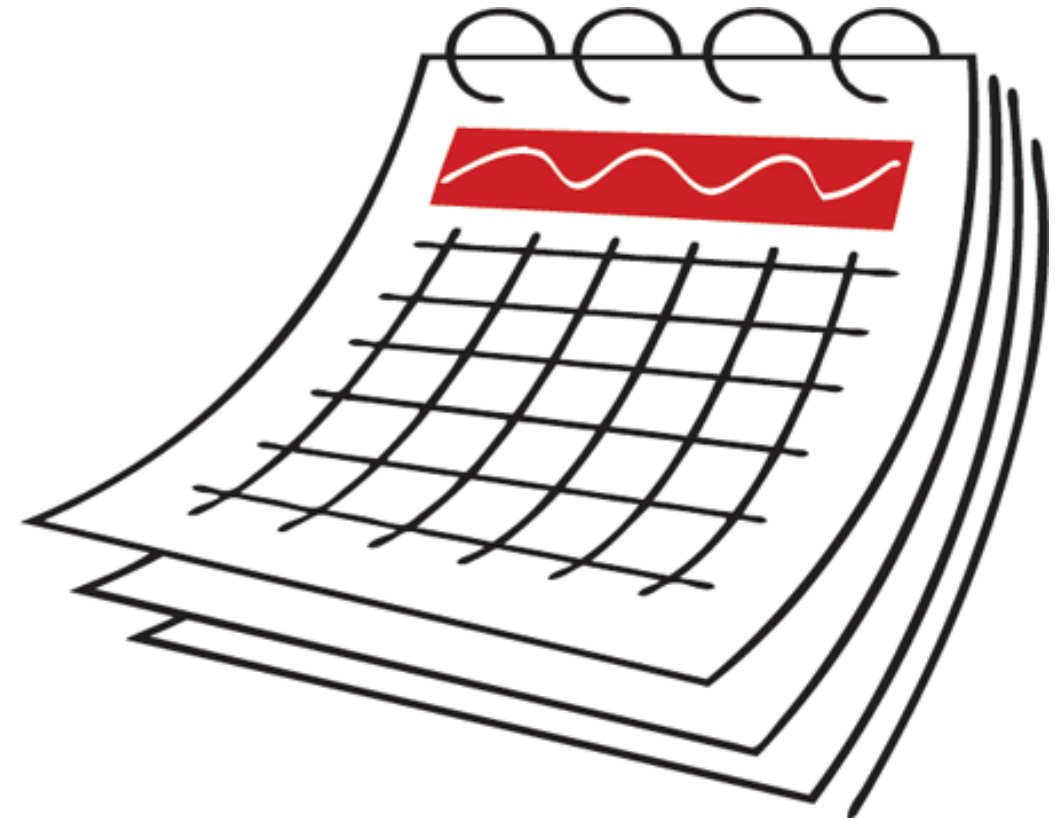


Anaheim	20%	Huntington Beach	20%	Santa Ana	12%
Brea	24%	IRWD	16%	SMWD	24%
Buena Park	24%	La Habra	28%	Seal Beach	8%
EOCWD	36%	La Palma	12%	Serrano WD	36%
ETWD	24%	LBCWD	24%	South Coast WD	24%
Fountain Valley	20%	Mesa Water	20%	Trabuco Canyon	32%
Fullerton	28%	MNWD	20%	Tustin	28%
Garden Grove	28%	Newport Beach	28%	Westminster	20%
GS–Cowan Heights	36%	Orange	28%	Yorba Linda	36%
GS–Placentia	24%	San Clemente	28%		
GS–West Orange	16%	SJ Capistrano	28%		





# Compliance Timeline



- 🔹 Emergency Regulations approved by the SWRCB on May 5, 2015
- 🔹 Estimated approval by Office of Administrative Law no later than May 19, 2015
- 🔹 Retail agencies to begin compliance no later than May 19, 2015 (estimated)

# Rebates & Incentives



**Give your plants the right amount of water — no more, no less.**



**SOIL MOISTURE SENSOR CONTROLLERS** take the guesswork out of watering by monitoring your soil moisture and telling your sprinkler system how long to water your plants. This device can reduce outdoor water waste by up to 70% while keeping your plants healthy and attractive.

- **Rebate level:** Up to **\$380** per controller for properties <1 acre, or **\$25** per station for properties >1 acre.

**RAIN BARRELS** capture the rainwater that falls onto your property and reuse it to water your plants. Rain barrels can also reduce ocean water pollution by preventing rainwater from carrying fertilizers, pet waste, and harmful debris from your property out into the ocean.

- **Rebate level:** **\$75** per barrel (50-gallons or larger)

**REBATES OFTEN COVER MOST OF THE DEVICE COST**



*Take Control of Your Sprinkler System!*



**WEATHER-BASED IRRIGATION CONTROLLER REBATE PROGRAM:** Take control of your sprinkler system by installing a weather-based irrigation controller. These controllers use information about your plants, soil, and weather conditions to give your landscape the right amount of water.

**Current Rebate Level: Single-Family Residences: Up to \$425 per residence; Multi-family Residents and Businesses: \$25 per station (up to timer capacity)**

**ROTATING NOZZLE REBATE PROGRAM:** Reduce water runoff and overspray by replacing your sprinkler heads with water-efficient rotating nozzles. Rotating nozzles water more evenly and uniformly, and they can reduce your outdoor water consumption by up to 30%.

**Current Rebate Level: \$4 per nozzle.**



**RECLAMATION**  
Managing Water in the West

The Family of Orange County Water Agencies




**Last chance to get your toilet rebate!**



Upgrade your old toilets with **HIGH EFFICIENCY TOILETS** that use just 1.28 gallons or less per flush. High efficiency toilets save an average of 38 gallons of water per month while achieving high performance standards.

- **Rebate level:** **\$0** (or more) per toilet

Visit [mwdoc.com/rebates](http://mwdoc.com/rebates) or call (888) 376-3314 for more information.






# Free Landscape Surveys

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA



## Landscape Irrigation Survey

For Commercial, Industrial, Institutional  
and Common Area Landscapes



Using more water than you should? Find out with a landscape irrigation survey.

### HOW IT WORKS

A certified landscape irrigation auditor will survey and provide written recommendations for qualifying non-residential properties within Metropolitan's 5,200 square-mile service area at no cost. To participate, properties must have a minimum of one acre of irrigated land. Eligible landscapes include commercial and industrial sites, homeowner association common areas, and institutional sites like schools, parks and government facilities.

Surveys are scheduled on a first-come, first-served basis. To request a survey, please complete the online application at [bewaterwise.com](http://www.bewaterwise.com). Funding is limited and submitting an application does not guarantee a survey will be provided.

### CONTACT

Danica Cotton  
Metropolitan Water District of Southern California  
(213) 217-6616  
[dcotton@mwdh2o.com](mailto:dcotton@mwdh2o.com)

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

### WHAT TO EXPECT

The property owner, manager or authorized representative with access to the irrigation controllers must be present during the survey. The certified landscape irrigation auditor will conduct a comprehensive review of the irrigation system including:

- System pressure
- Controllers
- Site conditions and irrigation scheduling
- Issues that cause higher water use, such as valve malfunctions, high or low pressure, sprinkler misalignment, poor drainage, breaks and leaks, runoff, etc.

Participants will receive a written report that includes:

- Data collected during the survey
- Recommendations for improving the site's irrigation efficiency including system repairs, equipment updates, and irrigation scheduling
- Information about available financial incentives to help with the cost of recommended improvements



Free Landscape Survey for sites 1+ acres



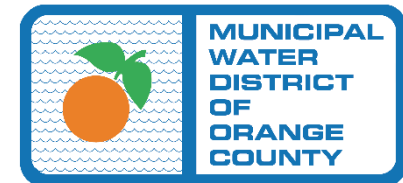
Performed by landscape technician



Includes detailed report with water saving recommendations and grant opportunities



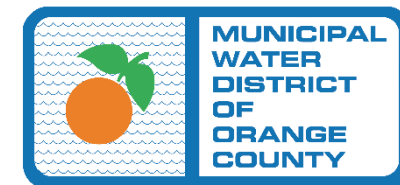
Sign-up on line at:  
<http://www.bewaterwise.com/landscape-irrigation-survey.html>



# Rebates Available to Public Agencies

Eligible Devices	Public Agency Incentive
<b>Turf Removal</b> (Rebate not paid up-front) <i>250 square foot minimum</i>	<b>Incentive Level currently being revised</b>
<b>Weather-Based or Central Computer *</b> <i>Irrigation Controller</i>	<b>\$55 per station</b>
<b>Soil Moisture Sensor Systems *</b> <i>Connected to irrigation controller</i>	<b>\$55 per station</b>
<b>Large Rotary Nozzles *</b> <i>Minimum 8 sets of two (2) per application</i>	<b>\$13 per set</b>
<b>Rotating Nozzles for Pop-Up Spray Heads *</b> <i>Minimum 15 per application</i>	<b>\$6 each</b>

**Note: Rebates for these devices “\*” are paid to public agencies upfront to allow for purchase of devices with rebate incentives.**

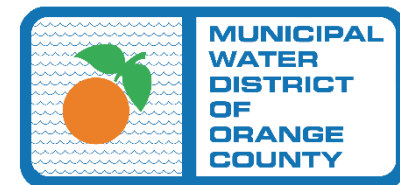




# Rebates Available to Public Agencies

Measure	Base Rebate
Plumbing Fixtures	
<a href="#">High-Efficiency Toilets (Tank-Type)</a>	\$100/commercial toilet
<a href="#">High-Efficiency Toilets (Flushometer)</a>	\$100
<a href="#">Ultra Low and Zero Water Urinals</a>	\$200
<a href="#">Plumbing Flow Control Valves</a>	\$5/Valve (minimum of 20)
Food Equipment	
<a href="#">Connectionless Food Steamers</a>	\$485/Compartment
<a href="#">Air-cooled Ice Machines</a>	\$1000
HVAC Equipment	
<a href="#">Cooling Tower Conductivity Controllers</a>	\$625
<a href="#">Cooling Tower ph Controllers</a>	\$1,750

**Note: Rebates for these devices are not paid to public agencies upfront to allow for purchase of devices with rebate incentives**



# How to apply for rebates:

- 💧 To apply for Turf Removal Rebate, go to: [www.ocwatersmart.com](http://www.ocwatersmart.com)
- 💧 To apply for Public Agency Landscape rebates, go to: <http://socalwatersmart.com/index.php/pal-program>
- 💧 To apply for all other rebates, go to: <http://socalwatersmart.com>



# Other Opportunities



- 💧 Prioritize landscaped areas for water use curtailments
- 💧 Landscape surveys
- 💧 Leak detection and repair
- 💧 We need your ideas to save water?
  - 💧 Ideas with viable water savings may result in rebate incentives.
    - 💧 Tamper proof hose bibs and irrigation controller cabinets
- 💧 Interest in a small working group?

# Questions & Contact Information



## address

18700 Ward Street, Fountain Valley CA 92708

## water use efficiency programs website

[www.ocwatersmart.com](http://www.ocwatersmart.com)

## general website

[www.mwdoc.com](http://www.mwdoc.com)

## main office

(714) 963-3058

