

# EMWD Workshops

## 2014/2015



**EMWD will be hosting a series of workshops for the 2014/2015 fiscal year.  
These will all take place in our Board Room.**

- **Welcome to EMWD Workshops** – this will be for new customers to the District to learn about EMWD water supplies, current drought conditions, water budgets, tiered water rates, variance process, Inland Empire Garden Friendly plants, Water Use Efficiency Regulations, available programs & rebates and Landscape Design Requirements.
  - **Saturday, July 12, 2014** – 9:00 a.m. to 12:30 p.m.
  - **Saturday, January 24, 2015** – 9:00 a.m. to 12:30 p.m.
- **Smart Controller Workshops** - Customers can come and learn what a Smart Controller is and how it can benefit them. We will also be promoting our rebate and direct install program. This workshop will also include a component on converting to Drip.
  - **Saturday, August 9, 2014** – 9:00 a.m. to 12:30 p.m.
  - **Saturday, February 21, 2015** – 9:00 a.m. to 12:30 p.m.
- **Residential Landscape Design Workshops** – this class will assist the customer in designing a new Inland Empire Garden Friendly Landscape. We will discuss the Turf Removal Rebate and offer Landscape Design assistance and resources. We will also touch base on appropriate plant type.
  - **Saturday, September 20, 2014** - 8:00 a.m. to 12:30 p.m.
  - **Saturday, June 13, 2015** – 8:00 a.m. to 12:30 p.m.
- **CFL Workshops** – Sponsored by MWD. This is a general overview class about: water supply, turf in your yard, ET, soils, composting, worm casting, landscape design and appropriate plant types.
  - **Saturday, October 18, 2014** – 9:00 a.m. to 12:00 p.m.
  - **Saturday, March 7, 2015** – 9:00 a.m. to 12:00 p.m.
- **CII Workshop** – This workshop provides an overview about water supply, drought conditions, programs & rebates available to Commercial customers. Presented by representatives of Metropolitan Water District of Southern California and Eastern Municipal Water District.
  - **Tuesday, October 28, 2014** -9:00 to Noon
  - **Tuesday, May 19, 2015** – 9:00 to Noon
- **Large Landscape Workshop** – This workshop has an overview of water supply, drought conditions, available programs and rebates.
  - **Tuesday, April 21, 2015** – 9:00 a.m. to 10:30

## **Irrigation Management for Urban Trees In Times of Drought**

Excerpted and edited from: [http://www.ext.colostate.edu/drought/woody\\_plant.html](http://www.ext.colostate.edu/drought/woody_plant.html)

### ***Selecting low water use trees***

- Select tree species for the landscape that are tolerant of infrequent water applications.
- Plant trees and shrubs with the same water needs together – hydrozone.

### ***Water wise irrigation practices for trees***

- Irrigate to meet their low-water requirements.
- Irrigate low water use trees and shrubs separately than other parts of the landscape and on their own irrigation zone.
- If you use overhead irrigation, use sprinklers that apply large droplets of water at a low angle. Fine spray mists and sprinklers that throw water high into the air often waste water from evaporation and drift.
- If you do not have an automatic sprinkler system, use a bubbler at the end of a hose to apply water at a low rate at several locations beyond the drip line.
- Water the entire root zone. Roots of established trees spread to reach two to four times the width of the canopy.
- Water deeply and infrequently; this will increase the plant's drought tolerance.
- Do not try to save water by installing a drip irrigation system around the base of an established tree; tree death will likely result. *Most water used by trees is absorbed outside of the dripline.*
- Apply water at a rate that allows maximum infiltration of the soil but limits runoff. Runoff can be eliminated by cycling irrigation run times.
- Check moisture in root balls of newly transplanted trees weekly to maintain adequate moisture.

### ***Other water-wise landscape care practices for trees and shrubs***

- Do not apply nitrogen fertilizer just prior to the heat of mid-summer; severe stress would result in more frequent applications of water
- Apply a three to four inch thick layer of mulch extending a minimum of two feet outward all around the trunk. Keep the mulch two inches away from the trunk.
- Use organic mulch such as bark or wood chips; avoid the use of stone or rock as mulch near plants as this increases air temperatures and moisture loss from leaves and stems.

### ***When limited water is available:***

- Fertilization is not recommended during drought. Fertilizers are salts which add to the osmotic potential of the soil creating an increase in the drought effect.
- Never fertilize a wilted or drought-stricken tree.
- Continue to irrigate, soaking the root system once every 4-6 weeks.
- Be sure a mulch layer is in place. Mulch 3-4 inches deep and avoid placing mulch immediately next to the trunk, as this can harbor insect pests and diseases that may harm the trees.

- Kill turf near trunks of trees and shrubs with an herbicide such as glyphosate following label directions. After the grass is killed and has dried, apply a layer of mulch. Mulch the area around trees out as far as possible with an organic mulch layer. Place landscape fabric material (not solid polyethylene) under the mulch first if desired.
- Avoid planting new trees or shrubs, even drought tolerant ones, because new plantings need more water to establish.

*When there is no water:*

- Restrict traffic over the root zone of established trees and shrubs if possible.
- Extend the mulch layer over as much of the root zone as possible.
- As dieback occurs, prune out deadwood. Avoid cutting into living wood, even if this means leaving temporary stubs.
- Deadwood serves as a source of infection by disease organisms and may attract insect pests which then invade the rest of the tree. Cutting into live wood increases the chance for tissue dehydration. Leaving a short stub will help prevent dehydration. The stub will need to be removed at a later date when irrigation water is again available.

*When water is available after a period of shortage:*

- Begin irrigation, soaking the root system once every 4-6 weeks.
- It is a natural tendency to over-water and over-fertilize plants that are observed having problems. This practice will generally only create additional stress.
- Do not attempt to make up for the drought by watering too often. Keeping the soil too wet will cause root rot and other related problems.
- Water monthly in dry winters to keep roots healthy.

## Bibliography

Klett, James, Susan Rose, Curtis E. Swift and Carl Wilson. "Woody Plant Management During Drought and with Limited Water Availability in Colorado." Colorado State University Extension [http://www.ext.colostate.edu/drought/woody\\_plant.html](http://www.ext.colostate.edu/drought/woody_plant.html)

University of California Agriculture and Natural Resources, "Landscape Notes." Vol. 25, Issue 1. September 2013  
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Stone, Helen, J.A. Downer. "Trees, Water and Irrigation." The Britton Fund. 2013  
<http://www.thebrittonfund.org/wp-content/uploads/2012/06/BFirrigation2013.pdf>


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## Resources

TreesAreGood.com

## Rebates and Programs

Most rebates can be obtained through Metropolitan Water District's regional program: [www.socalwatersmart.com](http://www.socalwatersmart.com). This covers most, but not all, of southern California. Contractor direct rebate option is available.

	Residential			Commercial		
	Eastern MWD	Riverside PU	Western MWD	Eastern MWD	Riverside PU	Western MWD
Smart Controller	\$145	\$200	\$200	\$43/station	\$35/station	\$50/station
Nozzles	\$5/nozzle	\$3/nozzle	\$4/nozzle min of 15	\$5/nozzle	\$3/nozzle	\$4/nozzle
Large Rotary Nozzles	n/a	n/a	n/a	\$13/set	\$13/set	\$13/set
Soil Moisture Sensor	\$80	\$80	\$80	\$35/station	\$35/station	\$35/station
Turf Replacement	\$2/square ft	\$0.40/sq ft	\$2/square ft	\$2/square ft	\$0.40/sq ft	\$2/square ft
Synthetic Turf	None	\$1/sq ft, 1,000 max	none	none	none	none
In-stem Flow Regulator	n/a	n/a	n/a	\$1/regulator Min 25/site	n/a	\$1/regulator Min 25/site
Rain barrels	\$75	\$75	\$75	n/a	n/a	n/a

**Regional programs** through SoCal Water\$mart or bewaterwise.com (varies by agency):

Water Saving Incentives Program  
Public Agency Landscape Program  
Landscape Irrigation Survey

**FreeSprinklerNozzles.com** (*Not available to Easter Municipal Water District customers*)

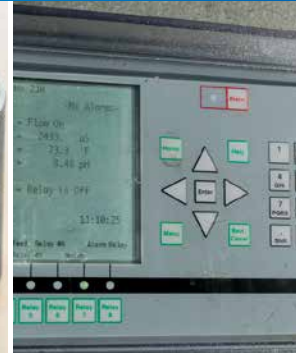
Residential: 25 nozzles per year  
Commercial: 100 nozzles; more with program director approval

**Local agency programs** (See water agency websites for details):

Program	Eastern MWD	Riverside PU	Western MWD
Smart Controller Direct Install	Residential only	Large irrigation customers	n/a
Irrigation evaluations	Free – Some restrictions apply	Case by case basis, commercial only	Free
Free Outdoor Water Efficiency Kit	Residential only	n/a	n/a
Large Landscape Program	Commercial only	n/a	n/a



# COMMERCIAL REBATE PROGRAM



## WHY

California is facing prolonged dry conditions. Gov. Jerry Brown has declared a statewide drought and asked Californians to lower their water use by 20 percent. Your help is needed. Metropolitan has expanded its SoCal Water\$mart rebate and incentive programs to make saving water more affordable for commercial customers.

## WHO

Commercial, industrial and institutional customers within Metropolitan's 5,200-square-mile, six-county service area are eligible for rebates on indoor and outdoor water-saving devices. Both the water service and installation address must be located within Metropolitan's service area.

Contractors who meet specific business requirements can apply to participate in Metropolitan's Contractor Direct Rebate Program. The SoCal Water\$mart Program provides screened and approved contractors with the ability to receive rebate payments directly for installations of eligible products. Contractor requirements and online enrollment information is at [socalwatersmart.com](http://socalwatersmart.com) under the Commercial Rebate Program option.

**[bewaterwise.com](http://bewaterwise.com)**<sup>®</sup>

## More Eligibility Information

- You must be a commercial, industrial or institutional water customer with a service and installation address located within Metropolitan's service area. Common areas in townhome, condominium, mobile home and apartment complexes are considered commercial customers, as well as landscape managed by a homeowners association.
- Refer to Metropolitan's list of qualified products for rebate eligibility.
- Facilities using recycled water may not qualify. Call 888.376.3314 to check eligibility.
- A reservation must be submitted online at [socalwatersmart.com](http://socalwatersmart.com) and approved prior to the purchase and installation of the device(s).
- Rebate amounts vary by participating water agency and are subject to change without notice.
- Metropolitan reserves the right to verify and inspect installation of rebated devices.
- Refer to Program Terms & Conditions at [socalwatersmart.com](http://socalwatersmart.com) for detailed eligibility terms and guidelines.



# WHAT Products Eligible For Rebates

Measure	Base Rebate
<b>Plumbing Fixtures</b>	
High-Efficiency Toilets (Multi-Family)	\$145/Toilet - 1.06 gallons per flush or less \$100/Toilet - 1.28 gallons per flush or less
High-Efficiency Toilets (Flushometer/Tank)	\$100
Ultra-Low and Zero-Water Urinals	\$200
Plumbing Flow Control Valves	\$5/Valve (minimum of 10)
<b>Landscaping Equipment</b>	
Smart Irrigation Controllers/ Central Computer Irrigation Controllers	\$35/Station
Soil Moisture Sensor Systems	\$35/Irrigation controller station
Rotating Nozzles for Pop-up Spray Heads	\$4/Nozzle (minimum of 15)
Large Rotary Nozzles	\$13/Set (minimum of 8 sets)
In-Stem Flow Regulators	\$1/Regulator (minimum of 25)
<b>Turf Removal</b>	
Removal of Irrigated Turf	\$2/square foot of irrigated turf removed and replaced with drought - tolerant plants or other approved landscape options
<b>Food Equipment</b>	
Connectionless Food Steamers	\$485/Compartment
Air-Cooled Ice Machines	\$1,000
<b>HVAC Equipment</b>	
Cooling Tower Conductivity Controllers	\$625
Cooling Tower pH Controllers	\$1,750
<b>Medical and Dental Equipment</b>	
Laminar Flow Restrictors	\$10/Restrictor (minimum of 10)
Dry Vacuum Pumps	\$125/0.5HP (up to 2HP max)

SoCal Water\$mart is a region-wide program brought to you by the Metropolitan Water District of Southern California. Local water agencies may offer other incentive program opportunities. Rebates will be issued on a first-come, first-served basis until funding is exhausted.



## HOW

1. Create an online account at [socalwatersmart.com](http://socalwatersmart.com).
2. Submit an online rebate reservation. Funding is limited and submitting a rebate reservation does not guarantee you will receive a rebate. Rebates will be issued on a first-come, first-served basis until funding is exhausted.
3. Receive a reservation number.
4. Purchase and install the qualified device within 60 days of making the reservation.
5. Submit the final rebate application online. Be sure to submit a copy of the water bill for the property where the device is installed as well as the invoice for the device(s) that lists manufacturer name, model numbers, and price.

## WHERE

Looking for more information?  
Go to [socalwatersmart.com](http://socalwatersmart.com)  
or call 888.376.3314.



THE METROPOLITAN WATER DISTRICT  
OF SOUTHERN CALIFORNIA  
P.O. Box 54153  
Los Angeles, CA 90054-0153  
[mwdh2o.com](http://mwdh2o.com)



**bewaterwise.com®**

# Check out EMWD's Rebates!

## Outdoor Devices



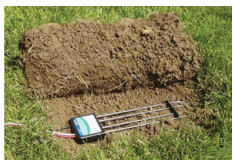
**Weather-Based  
Irrigation Controllers  
(\$145)**



**Rotating Sprinkler  
Nozzles (up to \$5)**



**Rain Barrels (\$75)**



**Soil Moisture Sensor  
Systems (\$80)**

## Indoor Devices

**High Efficiency  
Clothes Washers  
(\$150)**



**High Efficiency  
Toilets (\$50)**



Don't forget about the  
**Turf Removal Program!**  
Get up to \$1 per sq ft of turf grass removed!  
Find out how at  
[www.socalwatersmart.com](http://www.socalwatersmart.com).

Rebates will be issued on a first-come, first-served basis until funding is exhausted.  
Rebate funding is limited, and submission of a rebate application  
does NOT guarantee you will receive a rebate.

**For more information and an online application,  
go to [www.socalwatersmart.com](http://www.socalwatersmart.com).**



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