

# This presentation premiered at WaterSmart Innovations

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



# **Sustainable Landscapes: Integrating Water Efficiency & Watershed Protection Measures**

WaterSmart Innovations Conference 2012

# Overview

## Part I – The Big Picture:

- Landscape Trends

## Part II – Applying Best Thinking to New Regional Program

- Prop. 84 Sustainable Landscapes Program

# Part I – The Big Picture:



**WATERSHED**  
EXPLORING A NEW WATER ETHIC FOR THE WEST  
Executive produced & narrated by Robert Redford

**Wednesday June 27**  
Doors open 6pm  
Film Screening 6:30pm  
Limelight Hotel, Aspen

\$10 Donation Requested  
for Stream Gages in Upper Roaring Fork, Aspen

Buy Tickets  
[www.roaringfork.org](http://www.roaringfork.org)  
927-1290

REEL  
FILM FESTIVAL  
2012

OFFICIAL  
SELECTION  
ROARING FORK  
FILM FESTIVAL  
2012

CLEER  
Clean Energy Economy for the Region

FARR  
FOUNDATION FOR  
ASPIEN  
RESTORATION

limelight  
HOTEL - ASPEN

ROARING FORK  
CONSERVANCY  
Bringing People Together  
to Protect Our Waters

The poster features a scenic background of a river flowing through a valley with snow-capped mountains in the distance. In the foreground, a group of people is seen in a raft on the river. The text is overlaid on the top and left sides of the image.

**Robert Redford's 'Watershed' Documentary Raises Awareness For Worldwide Water Conservation**

Brown AND Caldwell

# Water News

SPECIAL EDITION

Oct. 2, 2012

## Changing landscape

***Different weather conditions dictate new solutions to challenges facing utility managers, consultants***



Brown and Caldwell

Unlike traditional stormwater infrastructure, which uses pipes to remove rainwater, green infrastructure uses vegetation and soil to manage rainwater where it falls.

[weather treatment solutions.](#)

OCT. 2: Extreme weather calls for extreme planning, and a changing climate is changing assumptions about managing water.

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### Other Links

[WEFTEC 2012 Technical Program](#)

[Build your own WEFTEC Planner](#)

[WEFTEC.org](#)

[EPA's Green Project Reserve](#)

[Confronting Climate Change \(NACWA\)](#)

[Philadelphia's Program for CSO Control](#)

[NYC Green Infrastructure Plan](#)

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### Other Special Editions

[Rulindo Challenge](#)

# Statewide (CA) Dialogue on Landscapes



## Landscape Committee

[www.cuwcc.org/committees/main.aspx](http://www.cuwcc.org/committees/main.aspx)

The logo for the California Urban Water Conservation Council is located in the top left corner. It features a blue silhouette of a city skyline with a white fish jumping out of the water below it. The text "California Urban Water Conservation Council" is written in white on a blue background.

# CUWCC Board Priorities

## Strategic Plan for Landscape

### 1. Standards:

- Define a **“new norm”** for water use and consumption practices.

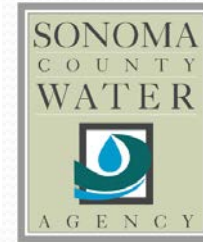
### 2. Promotion & Partnership:

- Promote a **“new norm”** in California Landscape with climate appropriate materials, efficient irrigation practices, and **sustainable management practices**.
- Develop strong **partnerships with water**, recycled water, energy, wastewater, **stormwater** and groundwater agencies; and identify other opportunities for partnerships with **allied organizations**.

### 3. Toolbox:

- Research and evaluate (past and) **future water conservation technologies and practices**

# “New Norm” Submittals





# Program Information



**THE SUSTAINABLE SITES INITIATIVE™**

A BETTER WAY TO BEAUTIFUL

# National Dialogue on Landscapes

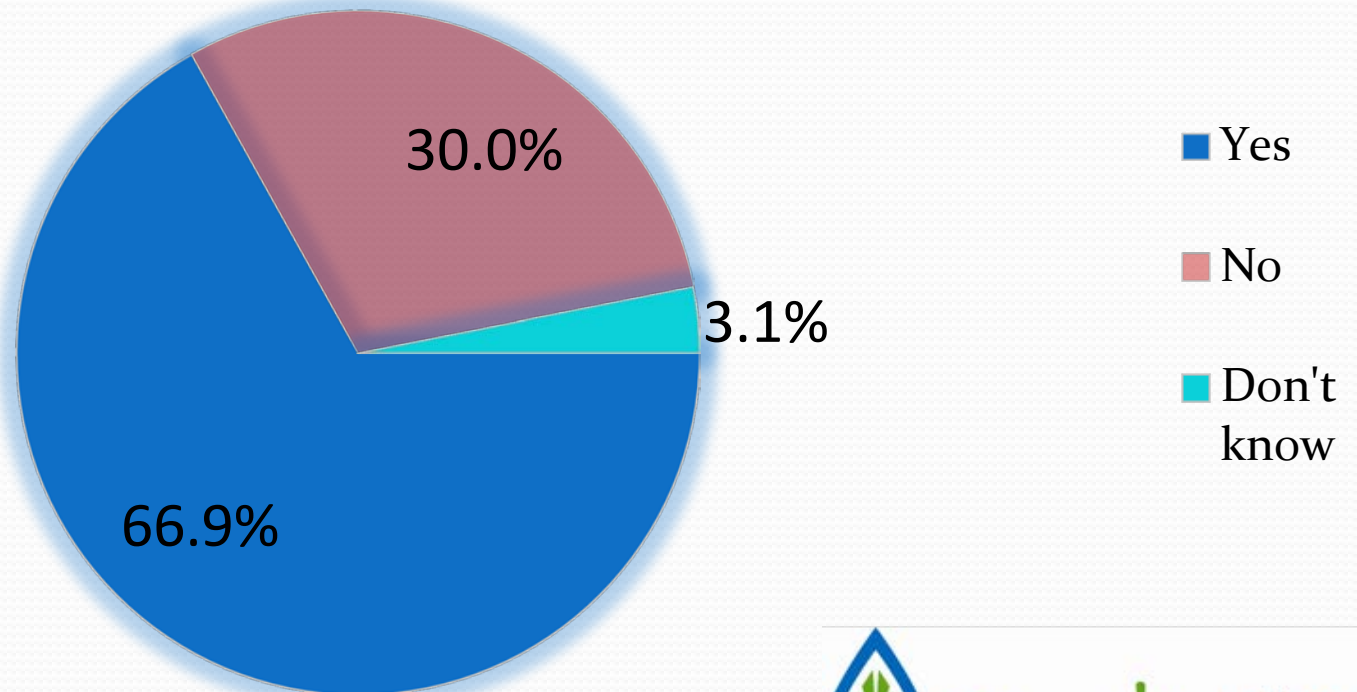


Promotions Working Group

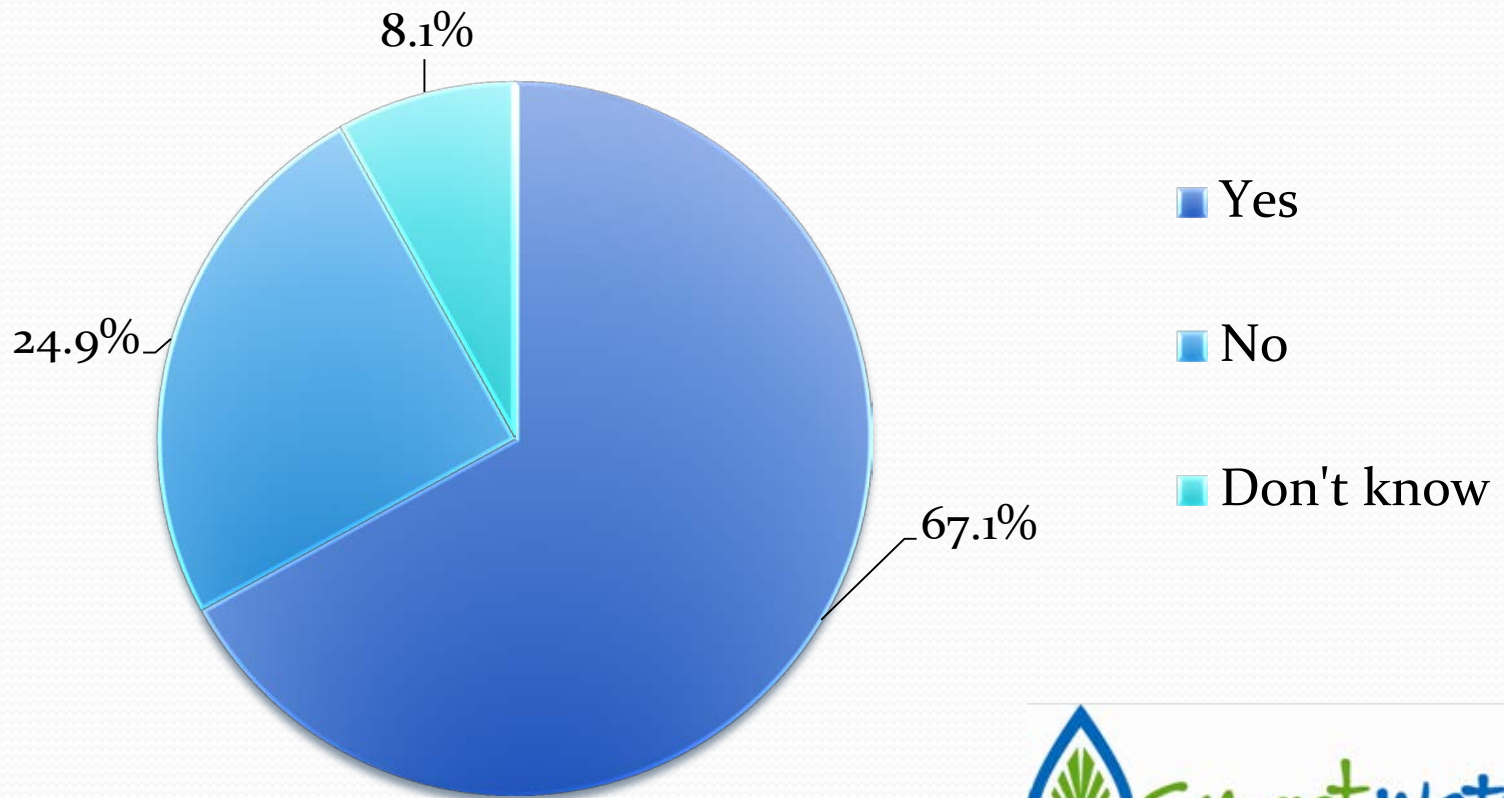
[www.swatirrigation.org](http://www.swatirrigation.org)

# SWAT Education & Training Needs Survey 2011

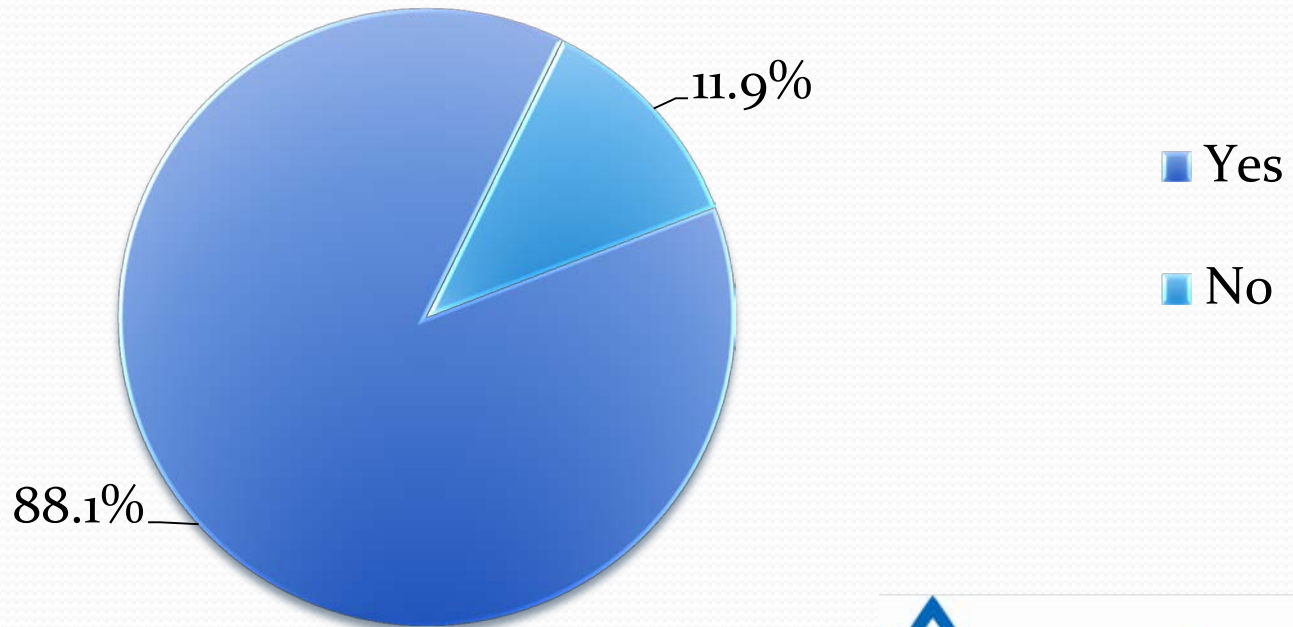
#4 *Are water supply issues (watering restrictions, conservation requirements, etc.) impacting green industry business practices in your area?*



**#5** *Are watershed protection issues (storm water runoff, excessive irrigation/non-point source pollution, etc.) impacting green industry business practices in your area?*



*#12 Traditionally, Irrigation Association training has focused on irrigation proficiency. Do you think IA should expand its focus to include a more comprehensive (plants, soil, water) landscape management approach?*

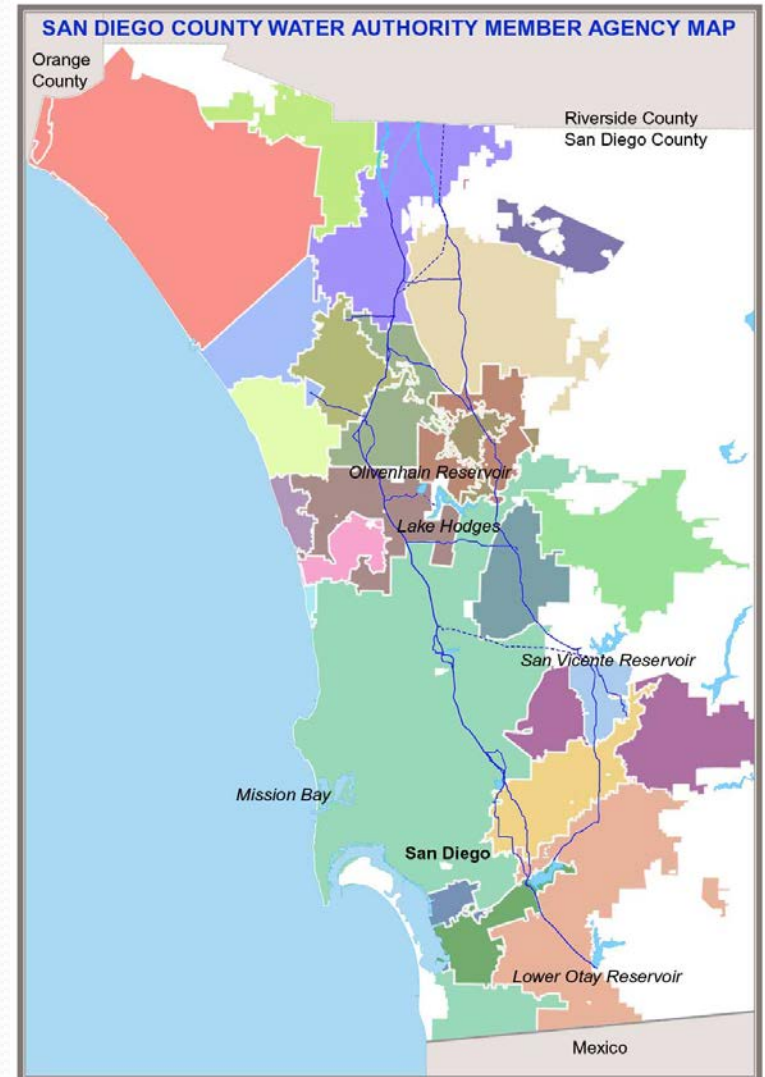


## Part II – Applying the Latest Thinking to New Regional Programs



# San Diego County Water Authority

- 24 member agencies
- 3 million people
- 920,000 acre service area
- 97% of county's population



# CA Integrated Regional Water Management

- Statewide distribution of grant funding on a watershed basis
- Prop. 84 IRWMP Implementation Grants (2009 Round)
- **Sustainable Landscapes Program:**
  - 1 of 11 projects totaling \$7.9 million in State funding
  - A water efficiency & watershed protection program
  - Collaborative model with multiple partners



## Program Abstract

*The Sustainable Landscapes Program is designed to **reduce water waste and pollutant infiltration** into local waterways through the development and implementation of landscape standards and specifications generally consistent with the CA state Model Water Efficient Landscape Ordinance and the San Diego Regional Water Quality Control Board Municipal Stormwater Permit...*

## Program Abstract (Cont'd)

*...The Sustainable Landscapes Program relies on the integration of landscape standards and specifications development, education and training, materials, incentives, outreach, and technical assistance to achieve **project goals** (water waste and pollution reduction).*

## Program Benefits

*The project is targeted towards the residential sector, but will also include commercial participants. The project benefits are expected to accrue through 2022. **Project benefits include:***

- 1) water use reduction;*
- 2) green waste reduction;*
- 3) labor reductions associated with maintenance;*
- 4) CO<sub>2</sub> emissions reduction; and*
- 5) water quality improvements.*

# Program Details – Funding & Partners

- \$1.4 million over 3 years (pending DWR agreement)
  - State Funds: \$1,050,000
  - Local Match: \$350,000
- Seven partners (Model for public-private collaboration)



# Program Scope

1. Landscape Guidelines & Specifications (integrated water efficiency & watershed protection)
2. Education & Training
3. Technical Assistance
4. Retrofit Incentives
5. Landscape Materials
6. Outreach & Stakeholder Involvement

# A Homeowner's Guide to a WaterSmart Landscape



[www.sdcwa.org/landscape-guide-flipbook](http://www.sdcwa.org/landscape-guide-flipbook)



BEFORE



AFTER



# Want a Beautiful Water-saving Landscape?

**FREE**

## Landscape Makeover Workshop Series

Now accepting applications  
Fall series begins **September 15, 2012**  
at the San Diego Botanic Garden

### How to Apply

Please complete and return an application  
<http://www.sdbgarden.org/classes.htm>

Submit application by email to  
[mkinney@sdbgarden.org](mailto:mkinney@sdbgarden.org)  
or by FAX at (760) 632-0917

Applications will be reviewed on a first-come, first-serve basis. Some conditions apply.

For priority enrollment, please submit your application by **August 25, 2012**.

Interested parties are encouraged to also contact their local water provider to request a free residential water-use evaluation and learn more about financial incentives for turf replacement, where available.

For more information

**San Diego Botanic Garden**  
**(760) 436-3036 ext. 201**

**Apply today.**  
**Participation is limited.**  
**It's free.**



Program brought to you by the  
**San Diego County Water Authority**  
and its **24 member agencies**

Developed by



Made possible by

**The Hans and Margaret Doe Charitable Trust**

August 2012



BEFORE



AFTER



## WaterSmart Landscape Makeover Workshop Series

This workshop series is designed to provide homeowners a comprehensive overview and the basic hands-on skills necessary to makeover a traditional turf yard into a beautiful and climate-appropriate WaterSmart showcase. The series consists of three workshops and two professional landscape design coaching sessions that will teach participants how to transform their yards.

Valued at more than \$250, this workshop series is FREE for selected participants. Space is limited and qualified applicants will be enrolled in a first-come, first-serve basis.



Before photo above by Environs

### Step 1: Toss The Turf

✓ Sept. 15, 2012, 9 a.m. - 12 p.m.  
Site analysis and turf removal

### Step 2: Pick Your Plants

✓ Sept. 29, 2012, 9 a.m. - 12 p.m.  
Planning, plant selection and design

#### Design Coaching Session 1

Oct. 13, 2012 (Time TBD)  
Free 45-minute consultation on your planting plan

### Step 3: Intelligent Irrigation

✓ Nov. 3, 2012, 9 a.m. - 12 p.m.  
Smart irrigation system components and installation

#### Design Coaching Session 2

Nov. 17, 2012 (Time TBD)  
Free 45-minute consultation on your irrigation plan

### Eligibility Criteria

Homeowners interested in learning WaterSmart landscape principles and who meet the following criteria are encouraged to apply:

1. Single-family residential homeowner (owner occupied);
2. Working, in-ground irrigation system with an irrigation controller (timer);
3. Commitment and financial ability to make over at least one irrigated section of turf to low-water-use plants (either Do-It-Yourself or professional);
4. Commitment to attend all 3 educational and two 45-minute coaching sessions.

All classes will be held at the San Diego Botanic Garden in Encinitas.



# Contact Information



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