



CASQA 2012 Conference

Annual Awards Program

Awards Program Mission

The mission of the CASQA Awards Program is to advance the stormwater quality management profession by identifying and recognizing exemplary leadership, outstanding projects, research, and contributions to the field of stormwater quality management.



CASQA 2012 Awards

***Outstanding Stormwater BMP
Implementation Project***



Outstanding Stormwater BMP Implementation Project

Projects may be either public or private and must have been placed into operation prior to the deadline for submittal of nominations.

***Outstanding
Stormwater BMP
Implementation
Project***



Program Objectives



- *Improve water quality in the Arroyo Seco and Los Angeles River*
- *Increase stormwater capture*
- *Increase water conservation including groundwater recharge*
- *Reduce potable water use*
- *Provide a successful model of a regional BMP project for broad application throughout Southern California*

WHAT'S HAPPENING UNDER GROUND?



Two large culverts have been installed to capture runoff from the park's storm drain. The culverts are made up of modular units shown here during installation.



The Garvanza Park Stormwater BMP Project



Outstanding Program Features

- Utilizes an existing park to house a below-ground water conservation facility*
- Ability to capture and treat runoff from a 0.75-inch storm event and capacity to hold over 1 million gallons of runoff*
- Partnership between public agency, non-profit, and consultants*



Outstanding Program Features



- Sedimentation basin to remove smaller particles that bypass the CDS system
- Retention basin stores up to 400,000 gallons of water for subsurface irrigation
- Infiltration gallery detains up to 600,000 gallons of runoff for groundwater recharge
- Annual infiltration and use of 50 acre-ft of water



Program Results

- *Tangible progress in meeting Metals, Bacteria, and Trash TMDLs*
- *Estimated annual pollutant load reduction of 90%*
- *Captures approximately 95% of all storm events from beginning to end and treats the “first flush” of larger storm events*



Program Results

- *Effectively captures 100% of dry weather runoff*
- *Increased community water conservation and water quality improvement awareness*
- *Provides an effective model for the City of Los Angeles' quest to become the greenest big city in the nation*



Project Funding

- *City of Los Angeles*
 - *LA Sanitation*
 - *LA Water & Power*
- *CA State*
 - *Proposition 13*
 - *Proposition 40*

Program Contributors

- *LA Sanitation – City of Los Angeles*
- *North East Trees*
- *California Watershed Engineering*
- *Griffith Company*

CASQA 2012 Awards

***Outstanding Stormwater
BMP Implementation Project***

***Presented to
LA Sanitation – City of Los Angeles***

Accepting the Award:

Vik Bapna

California Watershed Engineering

The background is a solid blue color with abstract, curved, layered shapes in various shades of blue, creating a sense of depth and movement. The shapes appear to be overlapping and flowing, reminiscent of water or a stylized landscape.

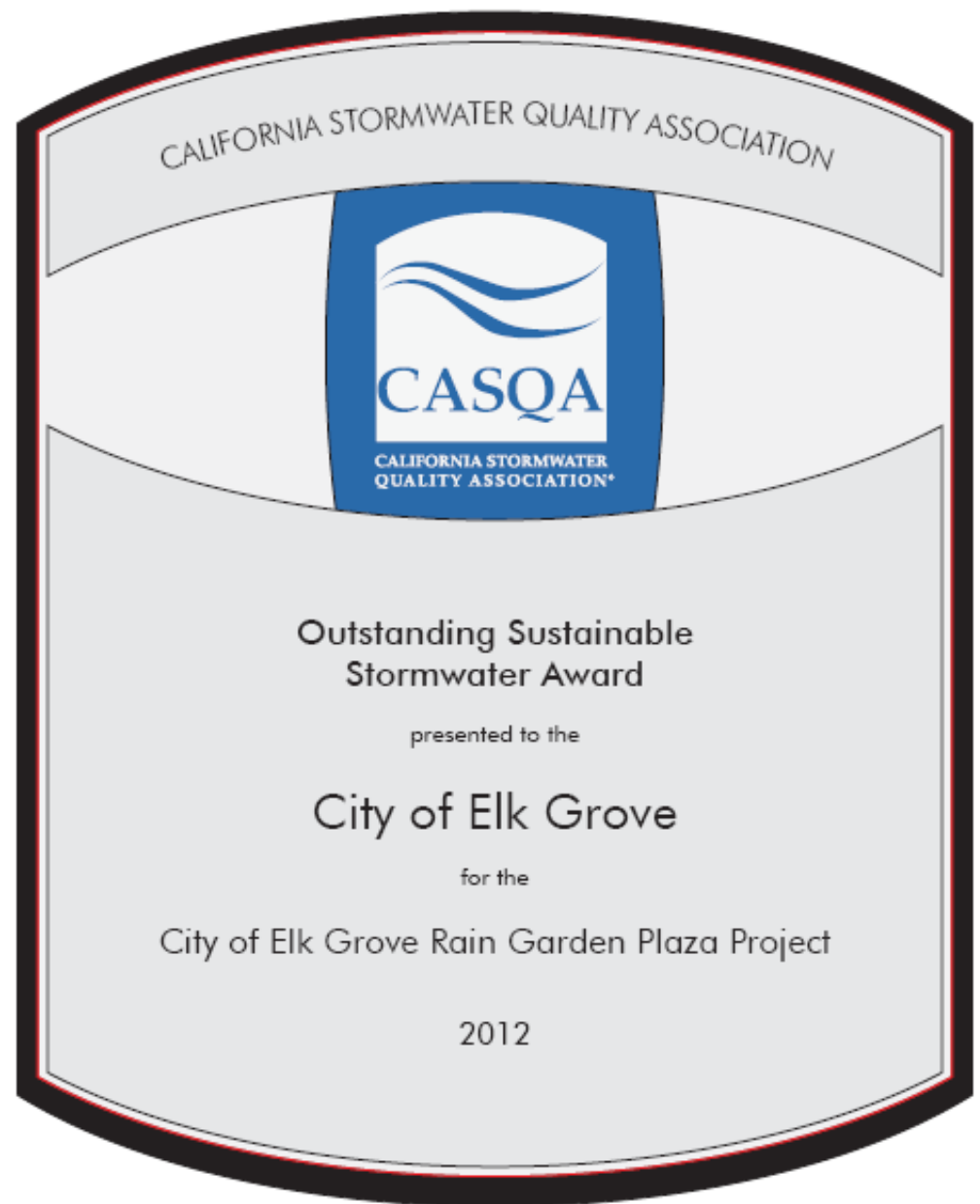
CASQA 2012 Awards

***Outstanding Sustainable
Stormwater Project***

Outstanding Sustainable Stormwater Project

Projects may be either public or private and must have been placed into operation prior to the deadline for submittal of nominations.

***Outstanding
Sustainable
Stormwater
Project***



Elk Grove Rain Garden Plaza - Public Outreach Objectives

- *Build Awareness with Visitors of All Ages*
- *Demonstrate LID Techniques*
- *Encourage Sustainable (“River-Friendly”) Landscaping*
- *Promote Watershed Stewardship*
- *Provide Recreational and Gathering Space*

Elk Grove Rain Garden Plaza - Environmental Objectives

To be achieved at this site and in the greater community as residents and businesses owners adopt the practices

- Reduce Urban Runoff*
- Recharge Groundwater*
- Conserve Water*
- Improve Water Quality*
- Provide Habitat*

Outstanding Project Features



Outstanding Project Features



Outstanding Project Features

- Rain Garden with River-Friendly Plants*



Outstanding Project Features

- *Stormwater Harvesting Features*



Outstanding Project Features

- *Dry Well*



Outstanding Project Features

- *Artistic Stormwater Features*



Outstanding Project Features

- Permeable Pavers*



Outstanding Project Features

- *Adult Fitness Area*



Outstanding Project Features

- *Bio-swales*



Outstanding Project Features

- Interpretive Signage

Welcome to the Elk Grove RAIN GARDEN PLAZA



What is a rain garden?

A rain garden is a shallow depression in the landscape filled with plants that is designed to catch and filter the rainwater that runs off rooftops, parking lots, and other paved surfaces, instead of allowing it to run directly into the storm drain system. Once in the rain garden, the runoff soaks into the ground, where it promotes plant growth, enriches the soil, and in some cases, may recharge the groundwater aquifer. Adding a beautiful rain garden to your yard is one of the easiest and most cost-effective actions you can take to keep runoff and pollution out of Elk Grove's creeks, while conserving water and helping to improve the health of our community. For more information on how to build your rain garden, please visit www.elkgrovecity.org.

Cross-section of this rain garden



By intercepting runoff and allowing the water to pool, evaporate, filter through native plants and soak into the soil, the runoff is cleaned and minimized.

Plants in this rain garden



Julipair sunflower
Bolero lewisii



Eurasian grey sedge
Carex diandra



Tufted hairgrass
Deschampsia cespitosa



California grey rush
Juncus palmea



Bigelow's snowweed
Helenium autumnale



Yellow monkeyflower
Monarda guttata



Yellow-eyed grass
Scirpocaulon californicum

This rain garden plaza intercepts rainwater that falls within the limits of the one-acre property and keeps it here to feed the plants, nourish the soil and may help recharge the groundwater. Except during flooding conditions, no water leaves the property.



More than nature's water filter and sponge...

Rain Gardens enhance the landscape and our environment in a variety of ways. In addition to adding beautiful shrubs and flowers that attract beneficial insects and birds to your yard, they provide a cooling effect and help to clean the air.

Left: Native plants are an important part of a rain garden. Not only do they add to the aesthetic pleasure, they require less water and no chemical pesticides, and they provide food and habitat for birds and other wildlife.

Right: Descriptive permeable pavers, as shown here and seen throughout this plaza, allow water to soak into the ground instead of letting it run off into the nearby storm drain.



Please see the other interpretive signs in this Rain Garden Plaza for helpful tips on:

- 1 Native Plants and River-friendly Landscaping
- 2 Surface Material and Water Infiltration
- 3 Water Harvesting



Outstanding Project Features

- *River-Friendly Landscaping*



Sour gum
tree



Berkeley
sedge



Hybrid
catmint

Bigelows
sneezeweed



Project Results

- 14 Schools Participated with a Total of 32 Classes and Over 1,000 Schoolchildren
- 1,100 Tiles Installed



Project Results

- Engagement of Elected Officials in Stormwater Solutions (Opening Day - May 1, 2012)*



Project Results

- *Outstanding Demonstration Project*
- *Model for the Community and Sacramento Region*
- *Source Control in Action*
- *Provides a New Recreational and Gathering Space*
- *A Showcase of Eco-Friendly Landscaping Practices*

Project Results

- *Conserving Water Resources*
- *Modifying Public Behavior*
- *Innovative Design*
- *Low Maintenance*
- *Dedicated City Webpage*
- *Successful Win-Win Collaboration with Stakeholders, Community Groups, EPA and State Regulators*
- *Sustainable Stormwater Management*

Project Contributors

- *City of Elk Grove*
- *Willdan Engineering*
- *Cosumnes Community Services District*
- *JM Slover Inc.*
- *Laguna Creek Watershed Council*
- *UPC Parks*



CASQA 2012 Awards

Outstanding Sustainable Stormwater Project

Presented to

The City of Elk Grove

Accepting the Award:

Darren Wilson

Engineering Services Manager

City of Elk Grove

The background features a dark blue field with abstract, flowing shapes in lighter shades of blue. On the left, several curved, overlapping bands of varying blue tones create a sense of movement. On the right, a large, dark blue shape curves upwards, resembling a stylized wave or a ribbon. The overall aesthetic is modern and dynamic.

CASQA 2012 Awards

Outstanding Service Award

Outstanding Service Award

This is CASQA's award for outstanding service to the organization by a CASQA member during the previous 1-2 years. Recipients are selected by the Board of Directors each year.

***The 2012 Outstanding Service
Awards go to the following
CASQA members:***



2012 Outstanding Service Awards

🔹 *Anna Lantin*

🔹 *Brian Currier*

🔹 *Carmel Brown*

🔹 *Chris Crompton*

🔹 *Daniel Apt*

🔹 *Jamison Crosby*

🔹 *Dave Tamayo*

🔹 *Kelly Moran*

🔹 *Jason Uhley*

🔹 *Karen Ashby*

🔹 *Matt Lentz*

🔹 *Katharine Wagner*

🔹 *Rebecca Winer-Skonovd*

🔹 *Richard Watson*

🔹 *Scott Taylor*

🔹 *Stephanie Reyna-Hiestand*

The background is a solid blue color with several curved, overlapping bands of varying shades of blue, creating a sense of motion and depth. The text is centered and reads:

**Congratulations
2012 CASQA Award
Winners!**

Thanks to the 2012 Awards Committee Members

- 🔥 *Gerhardt Hubner*
 - 🔥 *Ventura County
Watershed Protection
District*
- 🔥 *Jill Bicknell*
 - 🔥 *EOA/SCVURPPP*
- 🔥 *Rebecca Winer-
Skonovd*
 - 🔥 *Larry Walker Assoc.*
- 🔥 *Sharon Gosselin*
 - 🔥 *Alameda Countywide
Clean Water Program*
- 🔥 *Dianne Franks*
- 🔥 *Scott Taylor*
- 🔥 *Lisa Austin*
- 🔥 *Richard Boon*
- 🔥 *Mack Walker*
- 🔥 *Katharine Wagner*
- 🔥 *Gerald Montgomery*
- 🔥 *Stephanie Reyna-
Hiestand*
- 🔥 *Drew Kleis*
- 🔥 *Kelly Moran*
- 🔥 *Daniel Apt*

Special Thanks to CASQA Members

**...that took the time to identify
worthy people and projects,
prepare nomination packages,
and review nomination packages!**

This Concludes the 2012 CASQA Awards Program



**Watch for the
2013 Awards Program
Call for Nominations
Spring 2013**