

Our Mission

The San Diego Chapter of the WaterReuse Association provides a forum for the exchange of information to promote the beneficial use of recycled water in the San Diego region.

Padre Dam Breaks Ground on Advanced Water Purification Demonstration Project

Santee, CA, October 14, 2014 – With California's ongoing drought and the cost of imported water continuing to rise, Padre Dam Municipal Water District broke ground yesterday on its new Advanced Water Purification Demonstration Project. The project, funded through a three million dollar Proposition 50 grant from the Department of Water Resources, will use advanced water purification technologies to potentially diversify East County's water supply by providing a new source of water that is safe, reliable, locally controlled and drought-proof. The project is scheduled to begin operation in March 2015.

"Living in sunny San Diego County, our weather is beautiful, but with limited rainfall and local water sources, we continue to be susceptible to drought conditions and the continually rising cost to imported water," said Allen Carlisle, CEO and general manager of Padre Dam. "That's why it is important for Padre Dam to explore opportunities to diversify our water supply and reduce our reliance on imported water."

Padre Dam's Advanced Water Purification Demonstration Project will take wastewater through four advanced water treatment steps - free chlorine disinfection, membrane filtration, reverse osmosis and ultra violet/advanced oxidation. The demonstration project will operate for at least 12 months. During this time, the demonstration project will produce approximately 100,000 gallons of purified water per day. The water will be tested daily to ensure it meets the public health objectives for California Health Department approval.

If the demonstration project is deemed successful and the project moves forward, the water would be injected into the Santee groundwater basin where it would be



naturally filtered, then withdrawn and treated again prior to distribution as drinking water. The project would have the potential to provide up to three million gallons of water per day.

Additionally, Padre Dam is working with Helix Water District, the City of El Cajon and the County of San Diego to study the feasibility of developing an expanded East County Advanced Water Purification Program. The study will focus on the possibility of expanding Padre Dam's proposed Advanced Water Purification Project to accommodate and treat wastewater from the other agencies' service areas in order to provide a recycled water supply for local and regional groundwater recharge, reservoir augmentation and other potable reuse opportunities. This expanded program could produce up to an additional 10 million gallons of water per day.

"I am confident and hopeful that the demonstration project will be successful," added Carlisle. "If it is, this will open up a whole new source of water for many East County residents."

<http://www.padredam.org/AWP>

Meeting Announcements

DECEMBER MEETING:
 December 3, 2014
 2:00 PM
 Stone Brewery Escondido

JANUARY MEETING:
 January 14, 2015
 Location TBD

WaterReuse California Conference:
 March 17-19, 2015
 Millennium Biltmore Hotel
 Los Angeles, CA



National Membership Announcement from WateReuse

From the desk of Erin DiMenna, Director Of Membership

WateReuse is offering a deal for new members this fall. Anyone who joins between now and the end of the year will be paid through December 31, 2015. This means that someone who joins at the beginning of October pays for 12 months and receives 15 months of membership benefits.

- It is effective immediately.
- No special codes or coupons needed
- Applies to all member types
- This deal is for new members *as well as returning inactive members* who left the organization and want to rejoin.

How can you take advantage of this deal?

There are no special coupons, codes or processes. They simply have to follow the usual steps for joining and their account will automatically be credited the extra time. Here's how you join:

1. Download an application at watereuse.org/join
2. Fax the completed application to [703-548-5085](tel:703-548-5085) or mail to the address on the application.
3. Submit payment as described on the application.
4. Call Erin DiMenna at [703-548-0880 ext 105](tel:703-548-0880) or email membership@watereuse.org with any questions.

WateReuse California Endorses Water Bond - Proposition 1!

The Board of Trustees of WateReuse California unanimously voted to support the \$7.12 billion water bond measure set for the November 2014 ballot. Entitled the "Water Quality, Supply and Infrastructure Improvement Act of 2014," the bond will appear as Proposition 1 on the ballot.

"The development of water reuse projects throughout California is critical to achieving water reliability," said Mike Markus, President of WateReuse California and General Manager of Orange County Water District. "The 2014 water bond helps meet this objective by providing funding for water recycling. As the state faces one of the worst droughts in history, California must maximize the potential for water reuse."

Proposition 1 contains \$725 million for recycled water projects statewide and \$810 million for Integrated Regional Water Management, which could fund a variety of water related projects, including recycled water.

"Proposition 1 will help develop and expand recycled water at a time when it's needed the most during this historic drought. Other than this bond, there really is no significant state funding available to help secure our future recycled water supplies," said Grant Davis, Vice President of WateReuse California and General Manager of Sonoma County Water Agency.

Pure Water San Diego Update

The Project SWELL water purification lesson is close to launching! Participating San Diego Unified School District 5th grade teachers will be receiving training starting in October. Teachers will be provided with the necessary materials to successfully add the new lesson into their science curriculum. Project SWELL is a partnership between San Diego Coastkeeper and Think Blue to educate local students about the importance of the region's waterways.

As part of the new lesson, students will have the opportunity to model the City's proven three-step water purification process and to learn more about Pure Water San Diego, the City's 20-year program to provide a safe, reliable and cost-effective drinking water supply for San Diego.

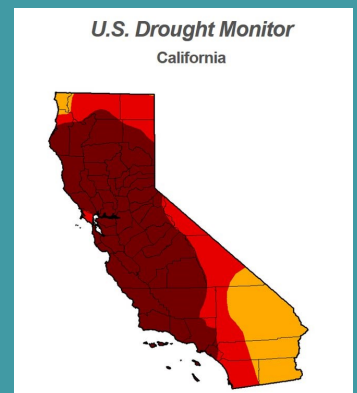
An initial 15-million gallon per day water purification facility is scheduled to be online in 2023 and the long-term goal is to produce 83 million gallons of purified water per day in San Diego by 2035. Youth engagement is critical as today's students will be the water customers and decision makers of the future.

When In Drought

After three straight dry winters and record-breaking heat in the first half of 2014, California's water supply situation is becoming more serious each day.

The San Diego County Water Authority's Board of Directors on July 24 called for mandatory water conservation measures across the region in response to worsening drought conditions and the need to save storage reserves for 2015.

The "When in Drought" campaign, which is supported by the Water Authority and its 24 member agencies, calls for our region to work together to save water every day in every way.





San Diego Sustainability Committee 2nd Annual Seminar

Infrastructure for the 21st Century



Date: Wednesday, October 29, 2014
7:30 a.m. to 4:45 p.m.

Location: County of San Diego
Hearing Room

Address: 5520 Overland
San Diego, California 92123

Infrastructure for the 21st Century: Learn how local professionals have applied two sustainable infrastructure rating tools, Greenroads and ENVISION™, to build strong local infrastructure systems. Also, learn how others are incorporating sustainable practices into multiple industry sectors. Be a part of an emerging discipline and meet your new colleagues at this exciting full-day seminar presented by the local Sections and Chapters of ASCE, APWA, and ACEC.

Seminar Topics

- Lessons Learned from two ENVISION™ Platinum awarded projects in CA
- Greenroads Rating System
- San Diego Construction Procurement Committee Top Issues
- Pavement Recycling Programs
- Future Solid Waste Choices
- Salton Sea Restoration
- Community Stewardship Panel

Speakers Include:

- **Keynote Speaker:** Jason Anderson - President, CleanTECH San Diego
- René Vidales, PE, LEED GA, ENV-SP, STP - County of San Diego
- Stefan Schuster - CDM Smith
- Sean Vargas, PE - Psomas
- Jeralee Anderson, PhD, PE - Greenroads
- Dave Umstot, PE - Umstot Project and Facilities Solutions, LLC
- Mark Woolbright - The Living Wall Company, LLC
- Craig Harrington - Pavement Recycling Systems
- Jose Gomez, PE - City of Chula Vista
- Leslie McLaughlin - NAVFAC SW
- Bruce Wilcox - Imperial Irrigation District
- Randy Keller - CaEnergy
- Curtis Chism - Council Brewing Company
- Cory Jones, PE, ENV-SP - GHD Inc. & SDSC Chair

Panel Members

- Timothy Smith, PLA, ASLA - Wynn-Smith Landscape Architecture
- Danielle Buttacavoli- BNIM Architects
- Doug Kot, AIA, LEED AP - DNV GL - Energy

Company Sponsorships welcomed!*

- ☐ **\$750** - Restorative
- ☐ **\$500** - Conserving
- ☐ **\$250** - Enhanced

Details on reverse

Registration Opens
September 5, 2014

Meeting Cost

\$20 (College Student Pricing)
\$45 (Public Agency Employees)
\$60 (General Admission)

Registration includes a
Breakfast, Lunch, and Happy Hour.

RSVPs and checks made payable to
APWA and send to SDSC Treasurer
Brett Makley, PE, ENV-SP
brett.makley@tylin.com, 619-692-1920

If you are interested in becoming a sponsor, please check the box below.

REGISTRATION FORM

Infrastructure for the 21st Century - San Diego Sustainability Committee
Date: October 29, 2014 - 7:30 a.m. - 4:45 p.m.

RSVPs and checks made payable to APWA and send to SDSC Treasurer Brett Makley, PE, ENV-SP, brettmakley@tylin.com
Mail to: 404 Camino del Rio South, Suite 700, San Diego, CA 92108

Name					
Agency/Company					
Address					
City				State	Zip
Email				Phone	
Sponsorship*	<input type="checkbox"/> Restorative	<input type="checkbox"/> Conserving	<input type="checkbox"/> Enhanced	Amount Enclosed	\$

* Sponsorships must be received by 10/17 to receive ad in program and logo on banner



Recycled Water Site Supervisor Certification Training

The City of San Diego • Public Utilities Department

Class Information:

Thurs. Jan. 16, 2014
Thurs. Feb. 27, 2014
Thurs. Apr. 10, 2014
Thurs. May 22, 2014
Thurs. July 10, 2014
Thurs. Aug. 21, 2014
Thurs. Oct. 2, 2014
Thurs. Nov. 20, 2014

8:00 a.m. – 12:00 p.m.
 City of San Diego
 Public Utilities Dept.
 Training Center
 5510 Kiowa Drive
 La Mesa, CA 91942

Cost:

\$60 per person
 No on-site registration
 No refunds
 Payable by check only
 Checks payable to:
 "City Treasurer"

Enrollment deadline:

Ten days prior to start of class or when class limit is reached

Send registration form and payment to:

RWSS Coordinator
 Public Utilities Department
 5510 Kiowa Drive
 La Mesa CA 91942
 MS 43A



This half-day course is designed to provide recycled water users in the state of California with the necessary information required to become fluent in the operational practices of recycled water. The \$60 registration fee includes learning materials and a supervisor identification card. Course objectives include:

- Roles and responsibilities of a Site Supervisor at a recycled water use site.
- Identifying potential and direct cross-connections and learning appropriate preventative measures.
- Practicing appropriate techniques for the safe and efficient use of recycled water.

Testing materials will be available in Spanish.



The Public Utilities Department is authorized by IACET to offer .4 CEUs for this program.

Recycled Water Site Supervisor Registration Form

First Name _____
 Last Name (will appear on the certification card) _____
 Organization/Business Name _____
 Street Address _____
 City, State, Zip _____
 Phone _____

Email _____
 Class Date Requested – First Choice _____
 Class Date Requested – Second Choice _____

☐ CEUs Requested

For more information, please contact:
 Desmond Stecher
 619.668.2090
 dstecher@sandiego.gov

Printed on recycled paper. This information is available in alternative formats upon request.

Public Information Office October 2013

GOT NEWS??

For more information on submitting articles please email Sarp Sekeroglu at sarp@pluviaconsulting.com



For more information about our local section please visit
www.watereuse.org/sections/California/sandiego

Our Members

Membership forms are available at www.watereuse.org/sections/california/sandiego/membership

AECOM Water	Mellano & Company
ARCADIS—Malcom Pirnie	MISCO Water
Atkins North America, Inc. (formerly PBS&J)	Olivenhain Municipal Water District
Bailey Environmental Associates, LLC	Otay Water District
Black & Veatch Corporation	Padre Dam Municipal Water District
Brown & Caldwell	Ramona Municipal Water District
Carlsbad Municipal Water District	RBF Consulting, A Baker Company
Carollo Engineers	Rick Engineering Company
CDM Smith	Rincon del Diablo Municipal Water District
CH2M Hill	RMC Water & Environment
City of Encinitas—San Dieguito Water District	San Diego County Water Authority
City of Escondido	San Diego Golf Course Superintendent's Association
City of Poway	San Dieguito Water District
City of San Diego	San Elijo Joint Powers Authority
City of Vista	Santa Fe Irrigation District
Coombs-Hopkins	Separation Processes, Inc.
Dudek	Spears Manufacturing Co.
D N Tanks formerly DYK Incorporated	Surfrider Foundation
Fallbrook Public Utility District	Trussell Technologies
Habitat Restoration Sciences	Underground Solutions
Helix Water District	Vallecitos Water District
Infrastructure Engineering Corporation	Valley Center Municipal Water District
Kennedy/Jenks Consultants	Water Conservation Technology International
Katz & Associates	

WateReuse Officers

Jack Bebee, PE	<i>President</i>	<i>(760) 728-1125</i>	Mike Thornton, PE	<i>Trustee to WateReuse California</i>	<i>(760) 753-6203</i>
Jamie Fagnant, PE	<i>President-Elect</i>	<i>(858) 413-2400</i>	Scott Lacy, PE	<i>Director of Public Relations & Membership Outreach</i>	<i>(760) 580-3806</i>
Chris Trees, PE	<i>Treasurer</i>	<i>(760) 753-6203</i>	Sarp Sekeroglu, PE	<i>Editor-in-Chief of Chapter Newsletter</i>	<i>(858) 740-4105</i>
Mike Wykosky, PE	<i>Secretary</i>	<i>(619) 291-0101</i>			
Elmer Alex, PE	<i>Past President</i>	<i>(760) 643-5416</i>			

Newsletter design by

PLUVIA

www.watereuse.org



@WateReuseSD