



2009

Annual Report





Peppers irrigated with recycled water
in Sonoma County, CA

Our mission

To conduct and promote applied research on the reclamation, recycling, reuse, and desalination of water.

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Message from the Chair

Dear WateReuse Foundation Subscribers and Colleagues,

Despite a challenging economic climate domestically and abroad in 2009, the WateReuse Foundation persevered and had its most successful year to date. As a result of successfully implementing our Equitable Sustainable Funding Model, we achieved our stretch goal of \$1 million in Subscriber fees over the previous 12 months. This is in no small part due to the continuing support of our Subscribers. First and foremost, we thank our Subscribers for contributing to the Foundation's applied research program, which will continue to provide real-world solutions to challenges in water reuse and desalination.

To successfully address the challenges faced by our Subscribers, we assessed their needs in two ways. First, we surveyed each Subscriber to determine the key issues being faced at the local level. This ultimate list of ten challenges is discussed later in this report and will be the focus of the Foundation's research in 2010. Next, we convened a successful Research Needs Workshop in San Diego from December 1-3. More than 70 professionals in water reuse and desalination met in breakout groups and developed projects that will form the backbone of the Foundation's Solicited Research Program over the next several years. Overall, these experts identified 90 potential projects with a total cost of more than \$17 million. While we will not be able to fund all of these projects, the quality and quantity of project concepts further illustrates the demand for innovative solutions in water reuse and desalination.

In order to meet this demand for knowledge and information, the Foundation sustained its successful relationship with the Bureau of Reclamation with a signed cooperative agreement in September for \$2.25 million as a result of funds "earmarked" through the FY 2009 Congressional appropriations process. The Foundation also received an "earmark" of \$2.5

million for FY 2010; this appropriations bill was signed into law by the President on October 28. Furthermore, the Foundation continued to leverage funding from Subscribers with generous contributions from the Pentair Foundation, Aqua-Aerobic Systems, and the Association of California Water Agencies. Our reach also expanded internationally by signing a Memorandum of Understanding with Singapore PUB to jointly fund research of mutual interest over the next five years.

I am also excited to report that we recently completed the necessary paperwork to effect a name change to the WateReuse Research Foundation. This was a decision reached by our Board of Directors, primarily to have the word "research" in our name to better illustrate our primary mission. We will officially debut our new name and logo at the 14th Annual Water Reuse & Desalination Research Conference in Tampa, Florida on May 24-25, 2010.

The Foundation Board and staff are excited, yet cautious, as we look forward to 2010. While we understand the economic constraints placed on many of our Subscribers, we will continue to further leverage precious Subscriber contributions to maximize the value of the Foundation's important research for our Subscribers. With continued Subscriber contributions, we will keep seeking answers to the difficult water supply and water quality challenges facing the world through water reuse and desalination research. Once again, thank you for your confidence and support.



David L. Moore
Chair, WateReuse Foundation Board of Directors
Southwest Florida Water Management District



Financial Summary

Comparison of Revenues and Expenses for Period 2008 to 2009.

Revenues	2008	2009*
Federal Cooperative Agreements	\$2,198,369	\$1,607,520
State and Agency Research	\$1,021,051	\$935,995
Subscriber Fees	\$907,728	\$1,008,779
Contributions	\$42,190	\$38,560
Conferences and Other Income	\$191,797	\$178,189

Expenses	2008	2009*
Research Programs	\$3,112,999	\$2,868,689
Conferences and Workshops	\$76,766	\$176,277
General and Administrative	\$410,576	\$428,981

*2009 Financial Information as of February 5, 2010

Desalters used to treat brackish groundwater in Chino, CA
Photo courtesy of Inland Empire Utilities Agency



2009 Achievements

Research Conference Highlights New Trends

The WateReuse Foundation showcased the results of its cutting edge research during the 13th Annual Water Reuse & Desalination Research Conference held at the Hilton Waterfront Beach Resort in Huntington Beach, CA on May 18-19. The conference included more than 35 podium and poster presentations, providing a focused and unique opportunity for attendees to learn about new developments and trends emerging from current and ongoing research in water reuse and desalination. Highlights of the conference included a keynote address by Jeff Kightlinger, CEO and General Manager of the Metropolitan Water District of Southern California, and a tour of the Orange County Water District's Groundwater Replenishment System.

New Research Alliance to Identify Sustainable Water Solutions

The WateReuse Foundation and PUB, Singapore's national water agency, signed a research agreement on May 18 to co-fund up to \$5 million worth of research that will help water agencies worldwide provide a sustainable water supply, while enhancing the environment and protecting public health. Under the agreement, each organization will provide up to \$500,000 annually over the next five years to fund research of mutual interest in water reuse and desalination. The research results will be shared and disseminated to water utilities, research institutions, and water technology providers.

Foundation Secures Federal Funding for FY 2010

The WateReuse Foundation received a \$2.5 million "earmark" in the Senate Energy & Water Development Appropriations Subcommittee bill for FY 2010. This bill was signed into law by President Obama on October 28, 2009.

New Organizations Welcomed as Foundation Subscribers

The WateReuse Foundation expanded its reach domestically and internationally in 2009 with the addition of 11 new Subscribers. The Foundation welcomed the following organizations in 2009:

- Acciona Agua Corporation
- Alliance Environmental
- Clayton County Water Authority
- Craddock Consulting Engineers
- Degremont Technologies
- ECO:LOGIC Engineering
- Global Water Advisors, Inc.
- Poseidon Resources Corporation
- Seqwater
- Shearer Consulting, Inc.
- Water Globe Consulting, LLC



Recycled water is used at Arroyo Golf Club at Red Rock
Photo courtesy of Southern Nevada Water Authority

2009 Achievements (continued)

Record Number of Research Reports Published

Continuing to respond to the complex needs of Subscribers, the WateReuse Foundation published a record number of research reports in 2009. The 15 published reports provide solutions to the water reuse and desalination communities in the areas of public acceptance, chemistry, microbiology, and treatment technologies. Findings from a few selected projects are presented below:

A Reconnaissance-Level Quantitative Comparison of Reclaimed Water, Surface Water, and Groundwater (WRF-02-008)

Project Team and Participating Agencies:

Tom Helgeson, CH2M HILL; Mark McNeal, ASRus, LLC; and 11 anonymous utilities

This document investigated, documented, and compared the water quality differences of reclaimed water, surface water and groundwater. Results indicate that reclaimed, surface and groundwater are more similar than dissimilar with regard to constituents. The project tested for 244 representative constituents, of which 89 were not found in any samples. When detected, most constituents were in the parts per billion and parts per trillion range. DEET (a bug repellent) and Caffeine were found in all water types and virtually in all samples. Triclosan (in anti-bacterial soap & toothpaste) was found in all water types, but detected in higher levels (parts per trillion) in reclaimed than in surface or groundwater. Very few hormones/steroids were detected in samples, and when detected were at very low levels. Halocedric acids (a disinfection by-product) were found in all types of samples, even groundwater. The largest difference between reclaimed water and the other waters appears to be that reclaimed water has been disinfected and thus has disinfection by-products (due to chlorine use).



Landscape irrigated with recycled water along San Francisco Bay
Photo courtesy of the City of Redwood City, CA

The Psychology of Water Reclamation and Reuse: Survey Findings and Research Roadmap (WRF-04-008)

Project Team: Brent M. Haddad, University of California, Santa Cruz; Paul Rozin, University of Pennsylvania; Carol Nemeroff, Portable Ethics, Inc.; and Paul Slovic, Decision Research, Inc.

Participating Agencies: City of Phoenix Water Services Department (AZ); Orange County Water District (CA); Public Works Services Department, Redwood City (CA); Central Basin Municipal Water District (CA); West Basin Municipal Water District (CA); Florida Department of Environmental Protection; Southwest Florida Water Management District; and Clean Water Services (OR)

Findings of interest:

- Broad public willingness to use recycled water and open-mindedness to its use as a source for drinking water exist. Only 13% of survey respondents said they would be unwilling to drink certified safe recycled water.
- Independent scientists are the most credible sources of information on recycled water.
- Systems that include groundwater storage or reintroduction of certified safe recycled water to a river prior to use are slightly more favored than are systems without these features.
- At least in the short run, exposure to information about certified safe recycled water has an effect on willingness to use it.
- Roughly 30% of respondents are not interested in technical explanations, just in trustworthy assurances of the safety of certified safe recycled water.

Selecting Treatment Trains for Seasonal Storage of Reclaimed Water (WRF-04-021)

Project Team: Gerard Miller, Alan E. Rimer, Beth Quinlan, and Edmund A. Kobylinski, Black & Veatch; and James Crook, Environmental Engineering Consultant.

Participating agencies: The City of Vernon (British Columbia, Canada); Public Utilities Board (Singapore); Irvine Ranch Water District (CA); Las Virgenes Municipal Water District (CA); City of Santa Rosa (CA); Colorado Springs Utilities (CO); Charlotte-Mecklenburg Utilities (NC); Kiawah Island Utility, Inc. (SC); and Upper Occoquan Service Authority (VA)

In almost all water reuse projects, some form of storage is utilized to balance reclaimed water demands with the relatively constant supply of reclaimed water available from the reclamation facility. Seasonal storage facilities can help balance seasonal demands, but the storage can change the characteristics of the water, often introducing algae that can cause an increase in turbidity, a reduction in dissolved oxygen, and odor issues. In addition, storage can cause re-growth of some bacteria. This manual uses a decision framework for a utility to develop the most cost-effective system of treatment trains and storage, while preserving the quality of the reclaimed water through the use of various input parameters. Factors considered include water quality parameters, methods of treatment before and after storage, anticipated storage volumes, and the local climate.

Evaluating Pricing Levels and Structures to Support Reclaimed Water Systems (WRF-05-001)

Project Team: Todd Cristiano, Red Oak Consulting; and Jim Henderson, Stratus Consulting

Participating agencies: Sydney Water Corporation (Australia); City of Folsom (CA); Irvine Ranch Water District (CA); San Elijo Joint Powers Authority (CA); City of Aurora (CO); Charlotte County (FL); City of Pompano Beach (FL); City of Reno (NV); Las Vegas Valley Water District (NV); Dallas Water Utilities (TX); and El Paso Water Utilities (TX)

Pricing reclaimed water often presents several challenges to utilities. Often, by pure financial analysis, the costs are beyond the revenues making reclaimed water appear relatively expensive. In addition, utilities have to weigh environmental and social costs into their analysis to properly weigh the benefits of a water recycling project. This project provides utility and agency managers with a clear and comprehensive approach to issues and objectives to consider when developing pricing levels and structures for reclaimed water. The tool will assist utilities in better planned water reclamation projects, greater public acceptance, improved financial sufficiency, and successful implementation.



Northwest Water Reclamation Facility

Photo courtesy of the City of St. Petersburg, FL

Research Needs Assessment

The Foundation uses a proactive and comprehensive approach to assess the research needs of the water reuse and desalination communities. The success of the Foundation's research program is based heavily upon the ability to obtain and use input regarding ongoing and emerging issues for research.

Planning Strategy

The predominant approach for identifying research needs begins with the identification and prioritization of issues and concerns of Subscribers. The Foundation strives to sponsor research projects that produce results that address these ongoing and emerging research issues.

In an effort to identify those needs, the Foundation polled its Subscribers in 2009 to identify their most important challenges. These key issues will be used as the cornerstone to identify high-priority projects in each of the Foundation's research programs in 2010. The following represents a list of the key research challenges identified by Subscribers.

1. Addressing known & unknown contaminants that persist in recycled water
2. Defining the risks of recycled water
3. Progression from non-potable to potable reuse
4. Defining environmental benefits/drawbacks of recycled water
5. Inland salt management
6. Data/approaches to support development of public health criteria for recycled water
7. Energy-water nexus (reuse and desal)
8. Project implementation issues (e.g., public acceptance, financing)
9. Defining public health benefits & disadvantages of recycled water
10. Data/approaches to support development of end use/performance criteria for recycled water

Process for Identifying Research Projects and Setting Priorities

The Foundation primarily uses four processes for identifying and prioritizing research:

- The Foundation sponsors workshops on assessing research needs;
- The Research Advisory Committee (RAC) is tasked with recommending research projects for funding under the Foundation's Solicited, Unsolicited, and Feasibility Study Research Programs;
- Subscribers propose projects as part of the Tailored Collaboration Program; and
- The Foundation collaborates with research partners.

The Orange County Water District Laboratory
Photo courtesy of the Orange County Water District (CA)



Research Needs Assessment Workshops

The Foundation holds periodic research needs assessment workshops that are specifically designed to generate priority research projects for the Solicited Research Program. The outcomes of these workshops are used as input for the RAC's annual review of projects for funding.

More than 70 experts in water reuse and desalination were brought together from December 1-3, 2009 in San Diego to update the Foundation's research agenda. Using the key challenges identified by Subscribers, these experts identified 90 potential projects with a cost of more than \$17 million. These projects will form the backbone of the Foundation's research agenda over the next several years, and it is anticipated that Solicited projects totaling \$2 million will be funded in 2010.

Research Advisory Committee Activities

The Research Advisory Committee (RAC) has the primary responsibility of developing and prioritizing research projects for the Solicited Research Program, developing the Call for Proposals for the Unsolicited Research Program, and identifying potential white paper topics as part of the Feasibility Study Program. At its first quarter meeting, the RAC develops high-priority research projects under the Solicited Research Program building on the concepts developed at the Research Needs Workshop.

The RAC reviews the developed project descriptions and then makes recommendations on research projects for Board approval. The RAC develops an "A" list of recommended projects that falls within the budget established by the Board. In addition, the RAC develops a "B" list of recommended projects for possible consideration. The Board approves a final slate of Solicited projects at its first quarter meeting.



Pipes carrying reclaimed water

Photo courtesy of the South Florida Water Management District

Tailored Collaboration Program

The Tailored Collaboration (TC) Program is reserved for Foundation Subscribers and is one of the primary benefits of Subscribership. The TC Program provides an avenue for research of interest to Subscribers that may not be addressed by the Foundation's other research programs.

The TC Program is designed to provide direct Subscriber involvement in the Foundation's research by addressing local or regional issues of concern to utilities. The program also allows Subscribers to utilize the Foundation's independent review process for projects.

Collaborative Research Efforts

The Foundation actively pursues opportunities to leverage funding and share knowledge through research partnerships with other organizations. Research partners are typically nonprofit organizations or public entities with research objectives similar to those of the Foundation. Partnerships tend to focus on unique problems or needs of the water reuse and desalination communities. The Foundation and its collaborating research organizations share information on current projects and information on research priorities, needs, and planning. Examples of Foundation partnering organizations include: California Energy Commission, Singapore's Public Utilities Board, Water Environment Research Foundation, and Water Research Foundation.

Meeting the Needs of Subscribers through Research

Tarrant Regional Water District (TRWD) in Fort Worth is one of the largest raw water suppliers in Texas and develops water reuse projects along with several of its customers including the Cities of Arlington, Fort Worth, and Mansfield, as well as the Trinity River Authority of Texas. Wayne Owen, TRWD's Planning Director, shares his insights on what it means to be a WateReuse Foundation Subscriber.

How did you find out about the WateReuse Foundation?

I was involved in forming WateReuse Texas at its inception, so I have been familiar with the need for and the scope of WateReuse since it mobilized in Texas. TRWD, as a regional wholesale provider of raw water, has a huge reuse project that we are in the midst of developing. Since the Foundation focuses on water reuse issues as opposed to the plethora of water technical, policy and engineering issues, the narrower focus of the WateReuse Foundation was seen as an opportunity to focus research on water reuse as it is increasingly going to be a major part of the water supply portfolio in Texas as well as the entire country.

Why did you make the decision to join the Foundation?

Several years after getting involved in WateReuse, several wholesale customers of TRWD suggested that we participate in the WateReuse Foundation on behalf of our wholesale customers. Based on recommendations from these customers, we went to our Board for approval.

Research focusing on reuse is very important to us. Our large scale indirect water reuse project when completed will enhance the yield of our largest surface water supply reservoirs by 30%. TRWD services approximately 1.7 million customers, and as a result of this reuse project our supply is projected to meet demands through 2030. In addition to the wetland



TRWD wetlands water reuse project
Photo courtesy of Tarrant Regional Water District

reuse facility at Richland-Chambers Reservoir, we also have to design and construct a sister wetland reuse facility at Cedar Creek Reservoir by 2020.

The WateReuse Foundation gives us the opportunity to review reuse projects being developed not only in Texas but throughout the country. So, we are hoping to harvest the benefits of peering over the shoulders of the many entities that are pursuing reuse as part of their supply portfolios.

Do you feel that the Foundation's research reports directly apply to your organization's research needs?

Yes, even though we haven't been directly involved with applied research to date. However, we receive the information on the research being done, and our personnel involved in reuse development can access this information periodically and maintain awareness of other programs being pursued.

What is the most important benefit you have received by being a part of the Foundation?

Broad knowledge of current research issues related to advancing reuse. Reuse is a valuable component of meeting long term water supply requirements and debunking myths, misunderstandings, and misinformation about the quality of reuse, which is critical to public acceptance, public understanding and public confidence in their water supply. As reuse matures out of its infancy, it will be largely based on management of these issues that, if left undone, will cause public concern over the quality of the water supply. Probably the biggest value is that funding effective research to further develop reuse will assure the public of its quality.

The Water Replenishment District of Southern California (WRD) manages groundwater for nearly four million residents in 43 cities of Southern Los Angeles County. In 2008, WRD and Psomas applied for funding through the WaterReuse Foundation's Tailored Collaboration (TC) Program. The project, titled *Maximizing Recovery of Recycled Water for Groundwater Recharge Employing an Integrated Membrane System (WRF-08-10)*, was awarded in 2008 and is currently in progress. Paul Fu, the Operations Manager at WRD, details his experiences with the Foundation's TC Program.

Why did you decide to apply for funding through the WaterReuse Foundation's TC program?

We are always looking for funding opportunities to assist with our research. WaterReuse is a front runner in doing water reuse research, so we get good exposure and can produce quality documents. This cooperation is beneficial to all water utilities.

Is the publication benefit important to you?

It is an important part. We try our best to reach out to the public and other agencies in the water industry to get our agency exposed to build name recognition. An added incentive to the publication is that it will increase our educational outreach footprint. It will assist in educating the public on groundwater issues, demystify recycled water, and inform the population on WRD's innovative water reuse projects that are "drought proofing" the region as well as securing our local water supplies.

Describe the process of obtaining funding through the TC program.

I applied in 2006 through the unsolicited program and did not get funded because only a few awards were given. Our odds were not great. I later found out about the TC program, and it worked out because it was more targeted and more focused.



Reverse osmosis membranes used to help stop seawater intrusion and replenish local groundwater basins
Photo courtesy of the Water Replenishment District of Southern California

Has the funding helped your organization address an important regional issue?

I think so. Region wise, not only in the Los Angeles County area, many utilities are looking at reuse projects. WRD is teaming with Upper San Gabriel Valley MWD, LA County Sanitation Districts, and San Gabriel Valley MWD for our group project, the Groundwater Reliability Improvement Project. We will build a new reuse facility. I think this research project will bring significant regional benefits to Southern California.

Do you view the TC program as an important benefit of being a Foundation Subscriber?

I personally think it is. For me, I am more involved in the water reuse research process. It is a good way for Subscribers to get involved in research for their utilities. Research from the Foundation is a good reference for a lot of utilities.

Board of Directors

The Foundation is governed by a 16-person Board of Directors, which oversees the Foundation's research program. The Board is comprised of water professionals from utilities, engineering firms, and industry who have the responsibility to establish an annual budget, approve the research agenda, establish policies, and provide direction to the staff and committees.

David Moore (Chair)

Southwest Florida Water Management District

Heiner Markhoff

GE Water and Process Technologies

Joe Jacangelo (Vice Chair)

MWH

Richard Nagel

West Basin Municipal Water District

Tom Minwegen (Secretary/Treasurer)

Las Vegas Valley Water District

Douglas Owen

Malcolm Pirnie, Inc.

Ron Young (Immediate Past Chair)

Elsinore Valley Municipal Water District

Alan Plummer

Alan Plummer Associates, Inc.

Philip Friess

Sanitation Districts of Los Angeles County

David Richardson

RMC Water and Environment

Andy Hui

Metropolitan Water District of Southern California

Philip Rolchigo

Pentair, Inc.

Linda Macpherson

CH2M HILL

Michael Wehner

Orange County Water District

John Young

*American Water Services and
American Water Works Service Company*



The Edward C. Little Water Recycling Facility in El Segundo, CA
Photo courtesy of West Basin Municipal Water District

Research Advisory Committee

The Research Advisory Committee (RAC) is responsible for proposing the research agenda for the Foundation. The RAC meets semi-annually to identify priority research needs and recommend projects based on the Foundation's research agenda, Board of Directors' guidance, and the research interests of Subscribers and funding partners.

The RAC is comprised of 24 volunteer members selected based upon their research expertise and experience. The RAC's membership is comprised of a broad spectrum of water reuse and desalination interests and includes individuals from academia, water and wastewater utilities, consulting firms, manufacturers, and federal and state government agencies.

Rhodes Trussell, Ph.D. (Chair)

Trussell Technologies, Inc.

Laura Kennedy

Kennedy/Jenks Consultants

Terri Slifko, Ph.D. (Vice Chair)

Sanitation Districts of Los Angeles County

Jim Larkin

Scientific Methods, Inc.

Samer Adham, Ph.D.

ConocoPhillips

Mark W. LeChevallier, Ph.D.

American Water

Marco Aieta, Ph.D.

Carollo Engineers

Audrey Levine, Ph.D.

U.S. Environmental Protection Agency

David A. Balgobin

State Water Resources Control Board

Adam Lovell

Water Services Association of Australia

David Bracciano

Tampa Bay Water

Margie Nellor

Nellor Environmental Associates, Inc.

Patrick V. Brady, Ph.D.

Sandia National Laboratories

Bob Raucher, Ph.D.

Stratus Consulting, Inc.

Curt Brown, Ph.D.

U.S. Bureau of Reclamation

Harry Seah

Singapore Public Utilities Board

Robert Cheng, Ph.D.

Long Beach Water Department

Shane Snyder, Ph.D.

Southern Nevada Water Authority

Jörg Drewes, Ph.D.

Colorado School of Mines

Nikolay Voutchkov

Water Globe Consulting, LLC

Philippe Gislette

Suez Environnement

Catherine Walker

St. Johns River Water Management District

Brent Haddad, Ph.D.

UC Santa Cruz

Paul Westerhoff, Ph.D.

Arizona State University

Subscribers

Foundation Subscribers are a group of forward-looking organizations and individuals who help shape the Foundation's research agenda. They are an international group of water and wastewater utilities, consulting firms, equipment suppliers, and other organizations interested in supporting a cooperative program to meet the research needs of the water reuse and desalination communities.

Acciona Agua Corporation	Loudoun Water
Advanced Concepts and Technologies International	Magna Water Company
AECOM	Malcolm Pirnie
Alan Plummer Associates	Merritt Smith Consulting
Alliance Environmental	Metropolitan Water District of Southern California
American Water	Monterey Regional Water Pollution Control Agency
Black & Veatch	MWH
Brown and Caldwell	Northern California Golf Association
Cadmus Group, Inc. (The)	Orange County Sanitation District
Carollo Engineers	Orange County Water District
CDM	Padre Dam Municipal Water District
Central Basin Municipal Water District	PBS&J
Central Contra Costa Sanitary District	Pentair
CH2M HILL	Phoenix Water Services Department
City of Chandler	Pima County Wastewater Management
City of Redwood City	Pinellas County Utilities
City of San Jose Environmental Services Department	Poseidon Resources Corporation
City of Santa Rosa	Psomas
City of Scottsdale	RMC Water and Environment
City of Surprise	San Francisco Public Utilities Commission
Clayton County Water Authority	Sanitation Districts of Los Angeles County
Craddock Consulting	Santa Clara Valley Water District
Data Instincts, Public Outreach Consultants	Seqwater
Degremont Technologies	Sewer Authority Mid-Coastside
Delta Diablo Sanitation District	Shearer Consulting, Inc.
Denver Water	Sheikh, Bahman – Water Reuse Consultant
Dublin San Ramon Services District	Sonoma County Water Agency
East Bay Municipal Utility District	South Florida Water Management District
ECO:LOGIC Engineering	Southern Nevada Water Authority
Edmonton Waste Management Centre of Excellence	Southwest Florida Water Management District
El Paso Water Utilities	St. Johns River Water Management District
Elsinore Valley Municipal Water District	Stratus Consulting, Inc.
EPCOR	Suez Environnement
GE Water and Process Technologies	Tampa Bay Water
Global Water Advisors, Inc.	Tarrant Regional Water District
Hazen and Sawyer	Trinity River Authority of Texas
HDR Engineering	Trussell Technologies, Inc.
Inland Empire Utilities Agency	UC Santa Cruz - Center for Integrated Water Research
Irvine Ranch Water District	Water Globe Consulting, LLC
Kennedy/Jenks Consultants	Water Replenishment District of Southern California
Long Beach Water Department	West Basin Municipal Water District

Upcoming Events

14th Annual Water Reuse & Desalination Research Conference

Grand Hyatt Tampa Bay
Tampa, FL
May 24-25, 2010

15th Annual Water Reuse & Desalination Research Conference

South Point Resort & Casino
Las Vegas, NV
May 16-17, 2011



Recycled water storage at Gallo Vineyard
Photo courtesy of the City of Santa Rosa, CA

WaterReuse Foundation

1199 North Fairfax Street, Suite 410

Alexandria, VA 22314

(703) 548-0880

Foundation@WaterReuse.org

www.WaterReuse.org

