

WATER REUSE TECH SUMMIT 2014

**New Content,
More End
User Markets**

January 27-29, 2014

DoubleTree by Hilton Hotel San Antonio Downtown | San Antonio, TX

An Infocast Business Intelligence Event

Join End Users and Leading Tech Providers as They Survey Innovations from the Entire Water Reuse Spectrum

- **Local & State Municipalities** – Discover the latest water reuse technologies and determine the right option for your needs.
- **Commercial End Users** – Compare and contrast the latest available technologies and pick the best option for your business.
- **Investors & Financiers** – Find out about investment opportunities.
- **Water Management and Water Tech Providers** – Hear from end users on their reuse needs and how they are making water reuse an integral part of their operations.
- **6 Real World Case Studies from end users including Oil and Gas, Mining, Food Processing.**

Don't Miss the Post Tech-Summit:



Water Reuse Technology Showcase

January 29, 2014

Hear from front-line innovators in water reuse technologies, plus analysis of industry trends.

15%
Discount:
1410BR15

Don't miss the co-located :

WATER MANAGEMENT FOR SHALE PLAYS

MID-CONTINENT 2014

January 29-31, 2014 | DoubleTree by Hilton Hotel San Antonio Downtown | San Antonio, TX

www.infocastinc.com/shale-tx14

www.infocastinc.com/water-tech14

A Must-Attend Event for:

Municipalities,
Oil & Gas Companies,
Food and Beverage Companies,
Mining Companies,
Hotels and Resorts,
Investors, Water Tech,
Water Management Services

Participating Organizations:

END USERS:

Arizona Public Service Company
Chevron
Coca Cola
MillerCoors
San Antonio Water System
United States Golf Association

INVESTORS:

Crowell, Weedon & Co.
Wedbush Securities

TECH:

212 Resources
Anue Water Technologies, Inc
Bioionix
Ekotech Energy
Flowatch
Pentair
Vorsana

SERVICE PROVIDERS:

Deloitte Consulting LLP
IHS
Lux Research
O2 Environmental
Puckorius & Associates, Inc.
Stewart Environmental Consultants, Inc.
Strategic Partnerships, Inc.

NON-PROFIT/ACADEMIA:

National Water Research Institute

Produced by:



Water Reuse Tech Summit Agenda

Monday, January 27, 2014

12:00 p.m. – 5:30 p.m.

Keynote Presentation: Water – The Most Undervalued Resource

Worldwide, 80 countries suffer from water shortages, including highly productive agricultural areas in northern China, the western United States, and northwest India. The increased cost for water doesn't have to be prohibitive. This presentation will provide information on how to encourage conservation while keeping costs down for farmers and other end users.

Will Sarni, *Director and Practice Leader, Enterprise Water Strategy, Sustainability and Climate Change*,
DELOITTE CONSULTING LLP

Presentation: Business Case for Water Reuse

Driven by supply chain risk and operational costs oil and gas companies are increasingly looking to wastewater reuse to offset demand on freshwater sources. Research by IHS suggests that the volume of oilfield wastewater reuse may double by 2022.

Source: IHS Energy, *The Future of Water in Unconventional: Water Management Strategies*

Marcus Oliver Gay, *Research Director, Water Information and Insight*, IHS

Presentation: Public-Private Partnerships: Critical Needs & New Opportunities – What will Texas do?

Texas's infrastructure needs are huge! Time is short and public funding is scarce. What new technologies will be available and what role will new infrastructure play in promoting new technologies? Will public officials embrace new financial options or not? And if so... when?

Mary Scott Nabers, *President/CEO*, STRATEGIC PARTNERSHIPS, INC

Case Study: How the San Antonio Water System Encourages Efficiency and Investment in Water Reuse

Robert R. Puente, *President/CEO*, SAN ANTONIO WATER SYSTEM

Case Study: Israel's Water Scarcity Solution: The Case for Water Reuse

In this presentation, Mr. Eldar will discuss Israel's problem of water resource paucity and its causes; and the holistic approach to solving the problem: reduction of consumption; desalination; reuse, etc. How does Israel reuse nearly 70% of its water, what reuse schemes have been promoted by the government and undertaken by the private sector and what is the outlook on future possibilities.

Yariv Eldar, *Vice President Marketing & Business Development*, EMEFCY



Panel Discussion: End-User Perspectives – How Leading Organizations Utilize Water Reuse Technologies

This panel, made up of end users from a variety of industry sectors, will give their thoughts on the diversity of water reuse opportunities available, assessing alternative systems that include potable reuse (direct and indirect), industrial reuse, reuse of produced water, to the end of improving sustainability. Join end-users as they survey innovations from the entire water reuse spectrum.

Panelists

Henry P. Day, *Water Resource Management Leader*, ARIZONA PUBLIC SERVICE COMPANY

James F. Moore, *Director, Green Section Education*, UNITED STATES GOLF ASSOCIATION

Joel Rosenfield, *Sustainability and ESLP Manager, Commercial Products Supply*, COCA COLA (RETIRED)

Marco Ugarte, Ph.D., CSCP, *Sustainability Manager, Water & Energy Stewardship*, MILLERCOORS

Tuesday, January 28, 2014

7:00 a.m. – 4:15 p.m.

INVESTMENTS

Panel: Investment Opportunities in Water

This panel, made up of a variety of water financing professionals – including investment bankers, venture capitalists, private equity investors and consultants – will help you gain valuable insights into the latest deals, technologies and trends that are driving the market for water innovations.

Panelists

Neil Berlant, *Partner*, CROWELL, WEEDON & CO.

Michael George, *Managing Director, Public Finance, Manager, Integrated Water Industry Services*, WEDBUSH SECURITIES INC.

Additional Panelists to be Announced



Networking Break

TECHNOLOGY

Presentation: How to Use Water Reuse Along With Other Technologies to Gain Greater Efficiency

Low water tariffs make adoption of technologies less attractive. Despite this, there are increasing opportunities for technologies that enable greater efficiency and solutions that convert wastewater to a resource. This presentation will show how smart water, water reuse and decentralization can be used to gain a competitive advantage.

Neil Strother, *Senior Research Analyst*, NAVIGANT RESEARCH

Water Reuse Tech Summit Agenda (continued)

Presentation: **Water Reuse Technologies: From Idea to Commercialization**

The water market is notoriously conservative and difficult for new products to penetrate. In this presentation we will look at successful strategies to get your product to market, and how to target new products to sectors that will allow faster penetration and growth.

Tess Murray, *Research Associate*, LUX RESEARCH INC.

Presentation: **Water Supply and Water Treatment Innovations for Urban Water Sustainability**

Innovations in technology and infrastructure are driving a trend towards urban water sustainability. Cities and communities across the U.S. are planning and implementing water reuse, storm water capture, and resource recovery to meet economic demands and to improve the urban water environment.

Jeff Mosher, *Executive Director*,
NATIONAL WATER RESEARCH INSTITUTE

MARKETS & INNOVATIONS

Case Study: **How Danlin Industries Evaluates Emerging Technologies for Processing Water to Reuse Standards in Mining**

Mark Mullis, *Integrated Fluid Solutions, Technical Support/
Business Development*, DANLIN INDUSTRIES

Case Study: **Food Processing**

Many food processors use enormous volumes of water to wash and cool products, and much of this water currently is not being reused. This case study describes the water and wastewater savings, food safety improvements, and other operational benefits to a large meat processor when it installed a new disinfection process to allow the reuse of water and concentrated brine on five of its processing lines.

James A. Tretheway, *President and CEO*, BIOIONIX, INC.



Group Luncheon

Presentation: **Treating F.O.G through Chemical Oxidation**

Fat, oil and grease solidify where velocity slows, which can decrease system efficiency. Find out how ozone shrinks molecules, making them more soluble and bioavailable.

Larry K. Burbach, *Senior Vice President Operations,
Sales and Marketing*, ANUE WATER TECHNOLOGIES, INC

Presentation: **Recovering Value from Wastewater**

Industrial, municipal authorities and agricultural businesses are facing increasingly stringent legislation with regard to wastewater discharges. Nutrient recovery offers wastewater treatment plant operators a way to generate income by converting the byproducts into fertilizer. Understand the regulations, the latest technologies and the opportunities to gain value from nutrient recovery in this field.

Paul O'Callaghan, *CEO*, O2 ENVIRONMENTAL

Presentation: **Metals Removal and Recovery**

This presentation will provide information on the removal of metals from wastewater. Metals removal is required for numerous water quality discharge permits. However, it is also possible to "mine" these wastewaters to recover these elements for sale. Dr. Stewart has several patents for the removal of metals utilizing ceramic microfiltration and is also harvesting metals from several different waters and wastewaters for beneficial reuse. Dr. Stewart will discuss the numerous EPA and other studies that have been conducted on this technology. He will present the lessons learned from the installation of over 40 of these facilities at acid mine drainage treatment facilities as well as metal finishing and electronic firms.

David Stewart, *President & CEO*,
STEWART ENVIRONMENTAL CONSULTANTS, INC.



Networking Break

Case Study: **Water Reuse in Cooling Water Systems in Refineries and Chemical Plants**

Water Reuse has been very successful in replacing fresh waters in cooling systems at petroleum refineries and chemical plants for many years. There is a great opportunity to reduce operating costs while still protecting the cooling system equipment often more effectively versus fresh water use. Savings are not only from water and reduced water treatment costs but also waste water reduction. This case study history identifies how this has been obtained in the past, and will continue to be obtained in the future.

Paul Puckorius, *President & CEO*, PUCKORIUS & ASSOCIATES, INC

Case Study: **Water Reuse in the Petroleum Industry**

Find out how the petroleum industry reuses water, the treatment technologies available, the benefits of reusing water and what the future looks like.

James E. Myers, *Staff Environmental Engineer*, CHEVRON

To Register | Visit: www.infocastinc.com/water-tech14

Call: (818) 888-4444

Email: mail@infocastevents.com

Fax: (818) 888-4440

Post-Tech Summit: Water Reuse Technology Showcase

Wednesday January, 29, 2014

Session I: Advanced Water Purification Technologies

Filtration devices are one of the biggest areas of ongoing technology development. Reverse and forward osmosis and nanoporous membranes are just two of the 'hot' areas right now. Hear presentations highlighting some of the most cutting-edge technological developments in this rapidly evolving area.

Dynamic Nutrient Recovery and Brine Mining

Wilmot McCutchen, CTO, VORSANA

The Future of Enterprise Operational Data Management in Water Reuse Systems

Dr. Bruno Leviné DEnv, MBA, President & Co-Founder, FLOWATCH

Flowback & Produced Water: Best Practices & New Technologies In Water Treatment

Les Merrill, Vice President, Project Development, 212 RESOURCES

Massively Paralleled Microdesalination with the Okeanos WaterChip Platform

Tony Frudakis, CEO, OKEANOS TECHNOLOGIES

Session II: Waste-to-Energy Technologies

Focus on energy efficiency and renewable resources is pushing technologists to capture dimensions of wastewater as a resource. Hear about latest waste-to-energy technologies.

Shale Exploration – Enhanced Water Management Systems

Martin Pano, Development Director, EKOTECH ENERGY

Improving Effluent Treated Produced Water Quality While Increasing Reliability and Flexibility with Pentair's Hydrocarbon Recovery Technology®

Justin Love, Market Development Manager, PENTAIR

*Additional presenters being added daily. See event website www.infocastinc.com/water-tech14 for the complete list.

Five Easy Ways to Register:

- Web**
www.infocastinc.com/water-tech14
- Phone**
(818) 888-4444
- Fax**
(818) 888-4440
- Email**
mail@infocastevents.com
- Mail**
20931 Burbank Blvd.
Suite B
Woodland Hills, CA 91367

Risk Free Early Bird Rate!

Register by January 3, 2014 to receive the Early Bird Rate risk free! If an Early Bird registration is later canceled, an administrative charge will not be charged and the full tuition amount will be refunded. All Early Bird Rates will be adjusted downward if Information Forecast Inc. publicizes a discounted tuition special offer that would result in tuition rates lower than the published Early Bird Rate amounts to the right.

Discounts:

Government, Non-Profit and End User discounts available (see box to the right). Team Discount for teams of three or more from the same organization, the third and subsequent registrations qualify for a 50% discount. Discounts are subject to verification and approval. Discounts cannot be combined.

Venue:

DoubleTree by Hilton Hotel San Antonio Downtown
502 W Cesar E. Chavez Blvd
San Antonio, TX 78207
(210) 224-7155

Room Rate: \$129
Reservation Deadline: Friday, January 10, 2014
Group/Reference Code: Information Forecast, Inc.
Reservation Call-In #: 210-224-7155

Website:

<http://www.infocastinc.com/water-tech14>

Continuing Education Credits:

Infocast certifies that this activity has been approved for Continuing Education credit by the State of California in the amount of 5 hours for the Post-Tech Summit: Water Reuse Technology Showcase and 10 hours for the Water Reuse Tech Summit 2014. Continuing Education credit hours are subject to change.

Cancellation, Refunds & Credits:

Should you be unable to attend, a refund will be made for cancellations received via letter or fax at least 10 business days before the start of the meeting. We will be pleased to transfer your registration to another member of your organization, or credit the registration fee to another Infocast conference if you register within 6 months from the date of this conference.

A \$195 administrative charge will be applied to refunds of registrations received after the expiration of the Early Bird Rate.

In the event an event is cancelled, Information Forecast, Inc.'s liability is limited to a refund or transfer of the registration fee only.

On-Site Materials:

Flashdrives with materials to be provided on-site. Please bring your laptop if you'd like to follow along.

Infocast is a division of Information Forecast, Inc., a California Corporation.

Registration Form

Please make checks payable to: "Infocast"

Registration Code: WR1B14

Water Reuse Tech Summit 2014

January 27-29, 2014 | DoubleTree by Hilton Hotel San Antonio Downtown | San Antonio, TX

Please check one or more of the following:

- I would like to take advantage of the team discount (see left)
 I can't attend, but put me on your mailing list for future programs

Tuition	Standard		Government/Non-Profit/ End Users*		
	Early Bird (by 1/3/14)	Regular (after 1/3/14)	Early Bird (by 1/3/14)	Regular (after 1/3/14)	
Water Reuse Summit January 27-28, 2014	\$995.00	\$1,295.00	\$795.00	\$995.00	
Post-Tech Summit: Water Reuse Technology Showcase January 29, 2014	\$795.00	\$995.00	\$595.00	\$795.00	
Total:					

*Subject to verification by Information Forecast, Inc.

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SET UP MEETINGS WITH OTHER PARTICIPANTS BEFORE THE EVENT.

As a confirmed attendee, one week prior to the event you will receive an email with a password granting you exclusive access to all other attendees so you can set up face to face meetings before the event.

INFOCAST DEAL WORKING EVENTS

Infocast Deal Working Events facilitate dealmaking by providing up-to-the-minute market intelligence and valuable insight from leading players on conditions in the current market. The events are powerful networking gatherings that put active market deal-makers face-to-face, providing a robust environment for establishing the valuable relationships that can result in successful deals.

About the Summit

Texas has a Texas-sized water problem. Drought, intensive industrial use of water in the oil and gas industry (particularly with the Eagle Ford boom happening in one of the driest parts of the state), and other increased industrial use, coupled with diminishing freshwater supplies are converging and creating an increasingly urgent situation in the state. Of course, the situation isn't unique to Texas – other states are experiencing drought in the face of burgeoning water use – but in many ways, Texas exemplifies the problems and challenges that must be overcome. Stakeholders in the state are beginning to act, exploring new projects for reusing water wherever possible, and attempting to better allocate competing interests while forging cooperation between industrial and municipal users – but much remains to be done.

Meanwhile, the US water treatment market is projecting healthy growth – to hit \$13 billion by 2017 – as new, disruptive technologies create new markets and transform old ones. Technologies that are key to water reuse – membrane systems, disinfection equipment, reverse osmosis, and filtration systems – are gaining strong traction and investment. Water reuse is on a strong upswing – for example, on a volume basis, reclaimed water use in the US is growing at around 15% per year. As water reuse becomes more widely utilized as a solution, stakeholders along the water reuse spectrum need to meet and learn how their needs and services intersect, to fully take advantage of what water reuse can offer.

That's why Infocast is presenting the **5th Annual Water Reuse Tech Summit** in San Antonio in 2014. This is a unique chance for water technology inventors and specialists to meet with end users – from oil and gas, agriculture, and municipal users – to assess opportunities and funding, evaluate technologies and the intersecting needs of end users, and move the development of water-reuse forward. Gain up-to-the minute information and the opportunity to make the connections you'll need to utilize it. We look forward to meeting you in San Antonio at the Summit.

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Supporting Organization:



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WATER REUSE TECH SUMMIT 2014

What Participants Said About Previous Infocast Water Management Summits:

“Relevant and Timely Meeting.”

— Daniel Twitchen, Element Six Ventures

“Current topics, presented and debated by highly credible experts.”

— Chris Kennedy, President, NanOasis Technologies, Inc.

“Great event!”

— Arti Patel, Cleantech Group

“Another Great Water Tech Event – Very informative, all the top players!”

— Kevin Brophy, Meidlinger Partners