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American Water Works Association
www.paawwa.org

The Water News Source

Volume 51, No. 2 • SUMMER 2015

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Water System Optimization Conference

2015 Water System Optimization Conference and
Partnership for Safe Water 20th Anniversary Celebration

October 28-30, 2015

The Hershey Lodge and Convention Center • Hershey, PA

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PA's Phase IV Systems

Highlights of PA-AWWA's 67th Annual Conference

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The Water News Source is published quarterly by the Pennsylvania Section of the American Water Works Association. The purpose is to inform members, local and state officials, and elected representatives about water supply issues in Pennsylvania.

The ideas, opinions, concepts, procedures, etc. expressed in this publication are those of individual authors and not necessarily those of the PA-AWWA Section, its officers, general membership, or the editor. The Section maintains the right to edit all articles for clarity and space. Individuals or organizations are encouraged to submit suggestions, ideas, articles, and items for the calendar of events. Please submit as a Word file and email to mikesnyder@paawwa.org.

Deadline to submit articles for the next newsletter is August 31, 2015.

New PA Section chair sets goal of 'engaging membership'

Michael Brown
Chair

It is a great honor to be writing this message as your chair of the PA Section of the American Water Works Association. I want to thank the membership for entrusting me in this position. I look forward to continuing the excellent work of the past chairs, Board, and staff and am excited to be serving in this role.

A past chair provided me with some great advice by recommending I pick one key item to focus on during my term as chair. The key item I would like to promote over the coming year is engagement of our membership. About 15 years ago, I joined AWWA because it seemed like "the right thing to do" as an engineer in the water industry. Initially, my membership consisted of paying dues and receiving the various publications and newsletters.

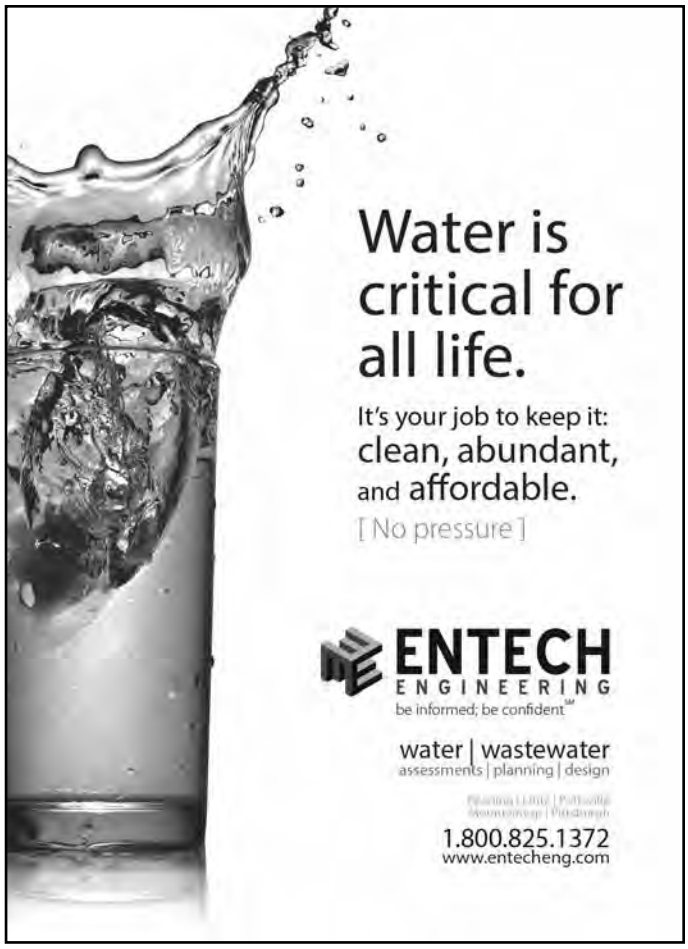
Eventually I began attending Section events and the annual conference. It wasn't until I was encouraged by my boss at the time to become active in the PA Section Membership Committee that I fully began to realize the value of membership in AWWA. From that time, I transitioned from simply a member on paper to an active member and in doing so, have gained numerous valued professional relationships—many of which I also count as friendships—as well as significant experience that has helped me tremendously in the growth of my career. All it took was some encouragement. I suspect there are many other members in a similar situation that would welcome the prospect to become more involved, if only given the proper encouragement.

This coming year provides plenty of opportunities to become more involved with AWWA. This summer we will begin planning to serve as the Host Section for the AWWA Annual Conference and Exhibition to be held in Philadelphia in June 2017. Serving as the Host Section requires a significant effort, which can only be accomplished through hundreds of member volunteers.

Additionally, our Section is scheduled to host water industry members from across the country for the Water System Optimization Conference to be held in Hershey from October 28–30, 2015 celebrating the 20th Anniversary of the Partnership for Safe Water Program. Finally, our 68th Annual Conference will be held in Bethlehem May 10–12, 2016. We are always in need of volunteers to provide fresh perspective to the conference committee as well as serve volunteer roles at the conference.

There are also numerous committees and other roles with the Section that are actively in need of energetic volunteers. If you are interested in getting involved, or are a member that would welcome a little nudge to get more involved, contact me at *mtbrown@gfnet.com* or contact our Executive Director Don Hershey at *donhershey@paawwa.org*. I welcome feedback and suggestions on how we can improve our Section. I can sincerely say that I look forward to talking to you.

In closing, I would like to congratulate Gene Koontz, who in June became the first Pennsylvanian to be elected president of AWWA in 40 years. Gene has served as a valued mentor to me over my career and I find it fitting that he is serving as President of AWWA the same year that I am serving as chair of the PA-Section. I am confident Gene will do an excellent job serving the Association and would like to wish him good luck on behalf of the PA Section!



2015 Water System Optimization Conference & Partnership for Safe Water 20th Anniversary Celebration
October 28-30, 2015 • Hershey Lodge/Hershey, PA

Visit www.paawwa.org for more information.

Don Hershey
Executive Director

Welcome the Pennsylvania State University-Harrisburg AWWA Student Chapter

We are proud to announce that Penn State University-Harrisburg Campus has started an AWWA Student Chapter. This is the first university in Pennsylvania to establish a student chapter.

The chapter president, graduate student Timothy Lester, and the chapter faculty advisor, Dr. Yuefeng Xie, were very instrumental in setting up the Chapter at the 2015 Annual Conference in Hershey, PA.

Small System Operator Training to improve Drinking Water Quality held at United Water PA in Harrisburg on May 7th draws over 30 operators

These workshops are targeted to the Small Public Water Systems in the most need of compliance training. These trainings will be delivered by AWWA Sections in every state and Puerto Rico in 2015, and materials will be distributed to Sections in advance of that to allow them adequate time to plan for and market the workshops. This project will equip small system operators to maintain compliance with SDWA and provide safe, clean drinking water to the public. Special thanks to United Water PA for hosting the event.

2015 Golf Tournament

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PA-AWWA UTILITY MEMBER SPOTLIGHT: Western Berks Water Authority

The Western Berks Water Authority was incorporated on May 22, 1969 under the laws of the Commonwealth of Pennsylvania .

Construction of the water treatment plant and transmission system was started in early 1972. Operations commenced in June 1974 and treated water was pumped to customers for the first time on August 1, 1974.

The Authority processes and delivers water in bulk to the Boroughs of Wyomissing, West Reading, and Shillington which, in turn, deliver it to consumers in their municipalities through distribution systems they each maintain. In addition to providing water to the residents of the borough, Shillington also sells water to customers in Mohnton Borough and portions of Spring and Cumru Townships.

The Authority is a proud member of the Partnership for Safe Water program.

Compliments of Western Berks Water Authority website: www.wbwa.org

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Michael D. Klein

Pennsylvania Water Law

By Michael D. Klein, Esq.

Michael D. Klein is a member in the Harrisburg, PA, and Washington D.C. offices of Cozen O'Connor. Michael practices in the areas of utility and environmental law. He can be reached at mklein@cozen.com and 717-703-5903. This column is intended to be a discussion of legal issues in the water industry. It is not intended to be legal advice, or to establish any attorney-client relationships. Before making any legal decisions regarding anything discussed in this column you should always consult with an attorney.

This column will provide overviews of interesting cases and legal issues affecting water suppliers in Pennsylvania.

Free water: Does the Authorities Act trump 100 year-old court decision and agreement?

A fascinating set of facts are involved in a decision issued on April 15, 2015, by Judge Jeffrey K. Sprecher of the Berks County Court of Common Pleas. The issue in the case is whether the Municipality Authorities Act supersedes a court decision made over 100 years ago holding that the owner of a certain property possessed a right to water without a charge being assessed.

The facts in the previous court decision are as follows. At that time, the City of Reading was the water supplier for a property owned by the Angelica Ice Company. The judge in that case determined that pursuant to an agreement, since at least 1865, the owner of the property at issue had possessed a right to free water. The judge incorporated that right into a deed for the property in 1908.

Skipping ahead to the present, the water supplier is now the Reading Area Water Authority (the "Authority"). The penultimate owner of the property called the Authority and informed the Authority about the 1908 decision and the agreement regarding free water for the property. Nevertheless, the Authority billed that owner for water service. While that owner disputed the charges, it paid the water bills between June 19, 2012 and August 10, 2012 because it planned to sell the property and did not want any water liens to encumber the property.

When the property was sold to the defendant in the case, the defendant challenged the Authority's right to bill for water service to the property. The defendant refused to make any payments for water service. The Authority then initiated a legal action against the defendant and the case eventually ended up before Judge Sprecher.

The Authority's legal position was that legal decisions involving the Authorities Act have ". . . held that the Act superseded the previous case decision concerning this Property and that a private agreement stated in the Deed may be reneged at any time for the public good, pursuant to plaintiff's (the Authority) powers under the Act."

Judge Sprecher cited 53 Pa. C.S. 5607(d)(7) of the Act that provides that Municipal Authorities have the power "to fix, alter, change, and collect rates and other charges at reasonable and uniform rates to be determined exclusively by it. . ." Based on this he concluded that the Authority ". . . is charged with the duty to fix and charge uniform rates for all its customers. In ruling that the Authority had a right to charge the defendant for water service, he reasoned that ". . . a customer who received the same service as other users should pay the same rates as everyone else does. . . Paying nothing for water usage is neither reasonable nor uniform".

The concept of unlimited free water service troubled Judge Sprecher and certainly weighed in the decision reached by him. Regarding free water, he reasoned that ". . . By receiving a free and unlimited supply of water, defendant has no incentive to conserve this resource for instance, if a pipe would break, it would be cheaper for defendant to allow the leak to continue, than to pay a plumber to fix it.

PA Water Law continued on Page 7

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SCMA's Deer Lake WWTP awarded for 'environmental excellence'

Panoramic view of Schuylkill County's Deer Lake Wastewater Treatment Plant.

The Schuylkill County Municipal Authority (SCMA) was recently honored as the recipient of two awards for the completion of the Deer Lake Wastewater Treatment Plant and Sanitary Upgrades Project and their long-time commitment to the water and wastewater industry.

In April, SCMA was awarded the Governor's Award for Environmental Excellence for the successful completion of the Deer Lake Project. The awards are presented annually, under the direction of the Pennsylvania Department of Environmental Protection (PADEP), to selected Pennsylvania businesses, agricultural industries, government agencies, educational institutions, non-profit organizations or individuals that display unwavering dedication to preserving and protecting the environment and engaging the community to ensure the vitality of our natural resources. Successful recipients must have created, or participated in, the development of a project that promotes environmental stewardship and economic development in the state.

SCMA was also honored as the **Schuylkill Chamber of Commerce Non-Profit Organization of the Year** for 2015. The Authority, formerly the Pottsville Water Company, has been providing the residents of Schuylkill County with clean, abundant potable water and reliable sanitary sewer service since 1834.

PA Water Law *Continued from page 6*

The decision by Judge Sprecher involved a municipal authority and the Authorities Act. Investor-owned water utilities are regulated by the Pennsylvania Public Utility Commission ("PUC"), and are not subject to the Authorities Act. However, the PUC has taken a similar approach against free water service being provided by investor-owned water utilities.

Water allocation permits without passby or release conditions under scrutiny

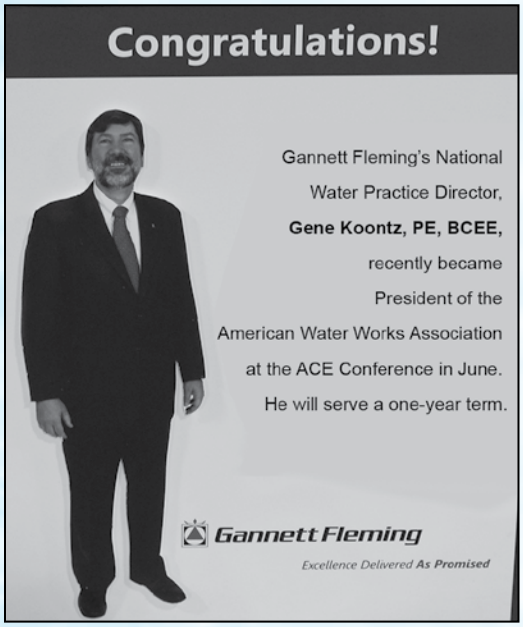
If your water system has a water allocation permit that does not contain a passby or release condition, and is about to expire, beware. Especially beware if the water allocation permit is for your water system's sole source of water supply. Recent experience indicates that the Department of Environment Protection, in consultation with the PA Fish and Boat Commission, has been reviewing applications for new allocations permits with an eye toward imposing passby or release conditions under certain circumstances, e.g. if the requested allocation is greater than 10% of the Q7-10 for the stream.

If your water system has only one source of supply this could mean that your water system may have to develop an additional source to use during low flow periods. If you have any questions, please feel free to contact me.

PLEASE NOTE: My new Harrisburg address is 17 North Second Street, Suite 1410, Harrisburg, PA 17101. Phone, fax and email will remain the same.

2015 SCMA Board of Directors and Management

An oxidation ditch at the Deer Lake WWTP.



GOLF WINNERS

Shown with Chair George Hart, center

Water For People raises $5,283 at its Silent Auction

The Pennsylvania Section's Water For People (WFP) Silent Auction raised $5,283 during the 2015 Annual Conference in Hershey.

The Pennsylvania Section and Design-Build Institute of America also joined forces to donate $5,000 to Water For People at the Annual Conference.

The winning team of the First Annual Tank Building Contest, which included Brian Funkhouser, Scott Russell, Dave Lewis and Dave Cargnell also donated their first prize winnings of $100 to Water For People.

These funds will be combined with funds raised through a Philadelphia Phillies game held at Citizens Bank Park in Philadelphia, PA on June 19th, a Philadelphia Union game held at PPL Park in Chester, PA on August 1st, a Pittsburgh Pirates game held at PNC Park in Pittsburgh, PA on August 7th, and the 10th Annual PA Water For People Charity Golf Outing held at Sandy Run Country Club in Oreland, PA on August 10th.

WFP will also hold a Silent Auction at the Pennsylvania Municipal Authorities Association Annual Conference being held at the Lancaster County Convention Center, Lancaster, PA August 23rd through 26th, and the Water For People Gala Event at the William Penn Inn in Gwynedd, PA on November 5th.

WFP encourages everyone to get involved in Water For People by making a contribution. Visit the website www.waterforpeople.org and learn more about the projects Water For People sponsors. Helping those less fortunate enjoy clean, drinkable water becomes possible through your generous donations. Thank you to everyone who participated in this year's silent auction and other WFP events.

For more information, contact Bob McIntyre at Stone Hill Contracting Co., Inc. 215.340.1840 or rkmcintyre@stonehillcontracting.com.

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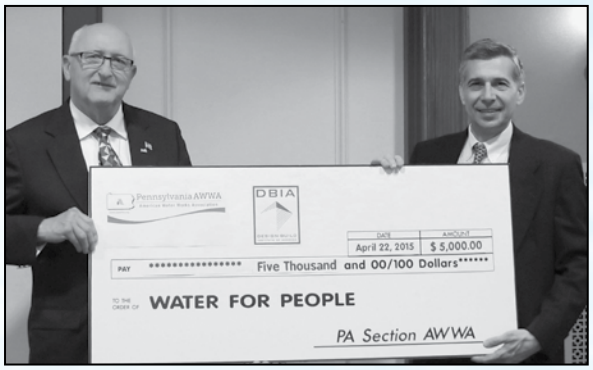


PA-AWWA and Design-Build Institute of America donated $5,000 to Water For People at the Annual Conference. Shown with the oversized check are (left to right) George Hart and Tony Bellitto.

PaWARN Gold Star Award

Recipient: Joseph Woodward

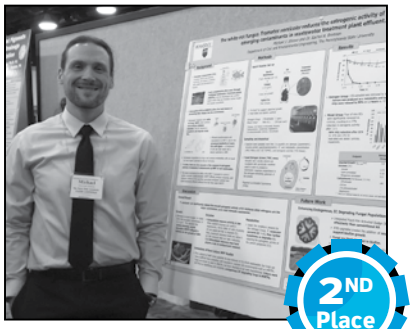
Pennsylvania American Water's Joseph Woodward (center in above photo) assisted with two PaWARN requests for bulk water. In January 2013 during a sinkhole crisis in the City of Harrisburg that severed a water main, Joe coordinated the transporting of two water buffalos to the city so that residents of the Fourth Street neighborhood would have potable water. In February of this year, Joe again coordinated the transporting of a water buffalo to the East Cameron Municipal Authority in Northumberland County, which was experiencing a water shortage due to a frozen well pump. And, as is usually the case, both emergencies occurred during weekends! Shown with Joe are George Hart (left) and Mike Snyder (right), PaWARN Coordinator.

Fresh Ideas Poster Contest

Kelly Good (center), a student at Carnegie Mellon, is shown with Section officers George Hart (left) and Dan Preston, at the recent ACE15 Conference in Anaheim, CA where Kelly got to display her poster, which won first place at the PA Section conference in April.

Poster Contest Awardees

First Place: Kelly Good, Carnegie Mellon University
Second Place: Michael Shreve, Penn State University
Third Place: Timothy Lester, Penn State Harrisburg University



Michael Shreve, Penn State University, placed second.

Timothy Lester, Penn State – Harrisburg, won third place.

Passing the Gavel

Incoming Section Chair Michael Brown (left) displays the gavel he received from Outgoing Chair George Hart.

Appleyard Award

Dr. Yuefeng Xie (left), environmental engineering professor at Penn State-Harrisburg, receives the Victor A. Appleyard membership award from George Hart.

Outgoing Trustee

Erin Rapp receives her Outgoing Northeast District Trustee Award from George Hart. Other Outgoing District Trustees (not shown) include Guy Woodard, North-Central District, and William Young, Northwest District.

Outgoing Committee Chair

David A. Long Scholarship Committee Chair Russ Williams accepts his Outgoing Committee Chair award from George Hart. John Yamona (not shown) also received the award for his service on the Water Resources Committee.

Partnership Mixer Honorees:

Congratulations to these systems for optimizing their treatment plants

The Partnership for Safe Water Representatives assist systems with optimizing their filter plants and distribution systems. Shown are (left to right) Jeff Hines, AWWA Director; Gene Koontz, AWWA President Elect; Gordie Miller, Barry Herr, Kate O'Neill, all Partnership Reps; Jim Chaffee, AWWA Past President; John Bartol, Randy Straub, both Partnership Reps, and Kevin Anderson, PA DEP. Not shown in the photo is Partnership Rep Tom Detweiler.

The Schuylkill County Municipal Authority received the 10 year Directors Award for its Mount Laurel WTP. Shown are (left to right): Jim Chafee; Patrick Caulfield, SCMA Executive Director; Amy Batdorf, SCMA Assistant Director; and Gene Koontz.

The PA-AWWA's Partnership for Safe Water program wishes to congratulate utilities in PA-AWWA for receiving 2015 Partnership for Safe Water awards. This is an outstanding achievement and we celebrate the efforts of utility staff as these systems are recognized among an elite group of top performing facilities. Utilities recognized by the Pennsylvania Section at the 2015 Annual Conference include:

Presidents Award

- Pennsylvania American Water – Norristown Water Treatment Plant
- Williamsport Municipal Water Authority – Williamsport MWA Water Treatment Plant

5-Year Directors Award

- Easton Suburban Water Authority – Easton Water Treatment Plant

10-Year Directors Award

- Blossburg Water Authority – Bellman Water Treatment Plant
- Schuylkill County Municipal Authority – Mount Laurel Water Treatment Plant

15-Year Directors Award

- City of Lancaster – Conestoga Water Treatment Plant
- Pennsylvania American Water

Aldrich Water Treatment Plant
Bangor Water Treatment Plant
Brownell Water Treatment Plant
Butler Water Treatment Plant
Ceasetown Water Treatment Plant
Ellwood Water Treatment Plant
Fallbrook Water Treatment Plant
Forest City Water Treatment Plant
Gerald C. Smith Water Treatment Plant (Hershey)
Hays Mine Water Treatment Plant
Indiana Water Treatment Plant (Two Lick Creek)
Kittanning Water Treatment Plant
Milton Water Treatment Plant
Montrose Water Treatment Plant
Nesbitt Water Treatment Plant
New Castle Water Treatment Plant
Philipsburg Water Treatment Plant
Silver Spring Water Treatment Plant

AWWA announced the accomplishments of the award winning utilities recently at the Partnership's annual awards luncheon at the ACE15 Conference in Anaheim, CA.

The City of Lancaster's Water Department received the 15 year Directors Award at the Conference for optimizing its Conestoga WTP. Shown are (left to right): Gene Koontz, John Holden, Lancaster Water Department; and Jim Chaffee.

Several PA American Water systems received awards (see adjacent awards list) at the PfSW Mixer for optimizing their WTPs. Shown are (left to right) Gene Koontz, Paul Zielinski, Dan Hufton, both of PAW; Randy Straub, PfSW rep and Jim Chaffee.

Shippensburg latest to join Partnership for Safe Water

SHIPPENSBURG – The Shippensburg Borough Authority's Gunter Valley Water Treatment Plant, located in Cumberland and Franklin counties, recently became the newest member of the Partnership for Safe Water Treatment Program, a voluntary effort to provide safe drinking water. Presently, the water system provides drinking water service to approximately 14,000 people.

The Partnership for Safe Water is made up of PA DEP, the U.S. Environmental Protection Agency, the Pennsylvania Section American Water Works Association and other drinking water organizations. Its goal is to implement preventative measures that are based on optimizing treatment plant performance.

Currently, 119 surface water treatment plants serving over 6.1 million people are now involved in Pennsylvania's Partnership for Safe Water Treatment Program.

For more information, contact Nancy Dinger at nancydinger@paawwa.org

Presidents Award

Capital Region Water recently received the Presidents Award. Shown are (left to right) Jason Li, Bryon Brookmyer, Mike Leeper, Raly Bey, Ron Morrow and JoAnn Zurowski.

Congratulations to our 2015 Awardees

George W. Fuller Award

Shown are some past **Fuller Award** winners along with the current recipient John Muldowney. Shown (left to right) are: Brian Funkhouser, Buchart Horn; Bob Naef, retired from Chester Water Authority; Russ Williams, Chester Water Authority; Bill Kelvington, United Water; Deborah Lippert, PA American Water; Jim Chaffee, AWWA Past President; John Muldowney, Philadelphia Water Dept.; Serena DiMagno, Spotts, Stevens & McCoy; Aurel Arndt, Lehigh County Authority; Patti Kay Wisniewski, US EPA, Jeff Hines, York Water Co.; and Gene Koontz, Gannett Fleming.

The Fuller Award honors a prominent leader in the water industry for "distinguished service in the water supply field and in commemoration of the sound engineering skill, the brilliant diplomatic talent, and the constructive leadership of men and women in the Association which characterized the life of George Warren Fuller."

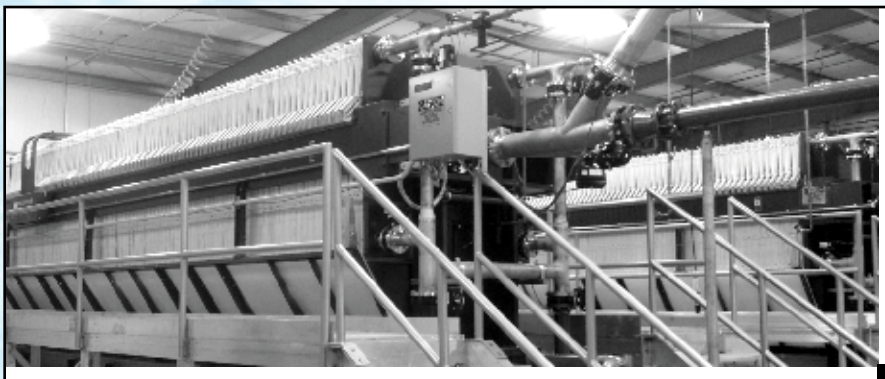
Recipient: John Muldowney, Philadelphia Water Department

Samuel S. Baxter Award

Shown are some past **Baxter Award** winners along with current recipient Russ Williams. Shown left to right, front row are Brian Funkhouser, Bill Kelvington, Bob Naef, Deborah Lippert, Jeff Hines, Russ Williams, Aurel Arndt, Patti Kay Wisniewski and John Muldowney. Standing in back, left to right, are Gene Koontz and Steve Tagert (Aqua PA).

The Baxter Award is presented for outstanding personal service in the water supply field and in commemoration of the leadership and development of safe public water system facilities, and advancement of improved water supply practices, the promotion of the water works industry of high esteem and service to the American Water Works Association as exhibited by Samuel S. Baxter, former Commissioner of Water for the City of Philadelphia and former AWWA President.

Recipient: Russ Williams, Chester Water Authority



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Congratulations to our 2015 Awardees continued

Operator's Meritorious Service Awards

Shown (left to right) are: Dan Hufton, John Prawdzik, Bob Schnitzler, all of PA American Water; Dan Preston, North Penn Water (Operator Meritorious Committee Chair); David Good, Cindy's brother, and George Hart, Bankson Engineers (PA-AWWA Chair).

Recipient: Cynthia Good Hitz (posthumous), PA American Water

Shown are (left to right) are: Karl Kyriss, Steve Tagert, Jeff Bickel, Curt Steffy, Marc Lucca, all of Aqua PA; Dan Preston, David Marozzi, Aqua PA; and George Hart.

This award acknowledges special operator performance for continuous compliance with public health standards in finished water.

Recipient: David Marozzi, Aqua PA

Congratulations to our 2015 Awardees continued

Rising Tide/Young Professional Award

Shown are (left to right) George Hart, Erin Threet, and Suzanne Ciavola, AECOM (Committee Chair).

The Rising Tide award is given to an individual (AWWA member under the age of 35) in the PA Section who has made or continues to make a significant contribution to the advancement of young professionals in the Section.

Recipient: Erin Threet, Herbert, Rowland & Grubic

Special Recognition Awards – East

Shown are (left to right): George Hart, Bob Naef, John Muldowney (accepting award) and Herb Spencer.

These awards are given to honor years of service and dedication to the water industry.

East Recipient: Howard Neukrug, Philadelphia Water Department

Special Recognition Awards – Central

Shown are (left to right): Russ Williams, Pat Stabler, Bob Naef and Herb Spencer (Committee Co-Chairs).

These awards are given to honor years of service and dedication to the water industry.

Central Recipient: Patricia Stabler, Chester Water Authority (retired)

Special Recognition Awards – West

Shown are (left to right) George Hart, Paul Vojtek, Herb Spencer and Bob Naef.

These awards are given to honor years of service and dedication to the water industry.

West Recipient: Paul Vojtek, Erie Water Works

David A. Long Scholarship

Shown are (left to right) George Hart, Jim Chaffee, Michael German, and Russ Williams (Committee Chair).

The David A Long Scholarship award is for $2,000. The scholarship's namesake served on the State College Borough Water Authority for 20 years and was described by his peers as a visionary. Dave was very active in the PA Section for over 35 years. He passed away in November 2001.

Recipient: Michael German, Lehigh University

WPJWA's Douglas Komandt selected as PA Section's Vice-Chair

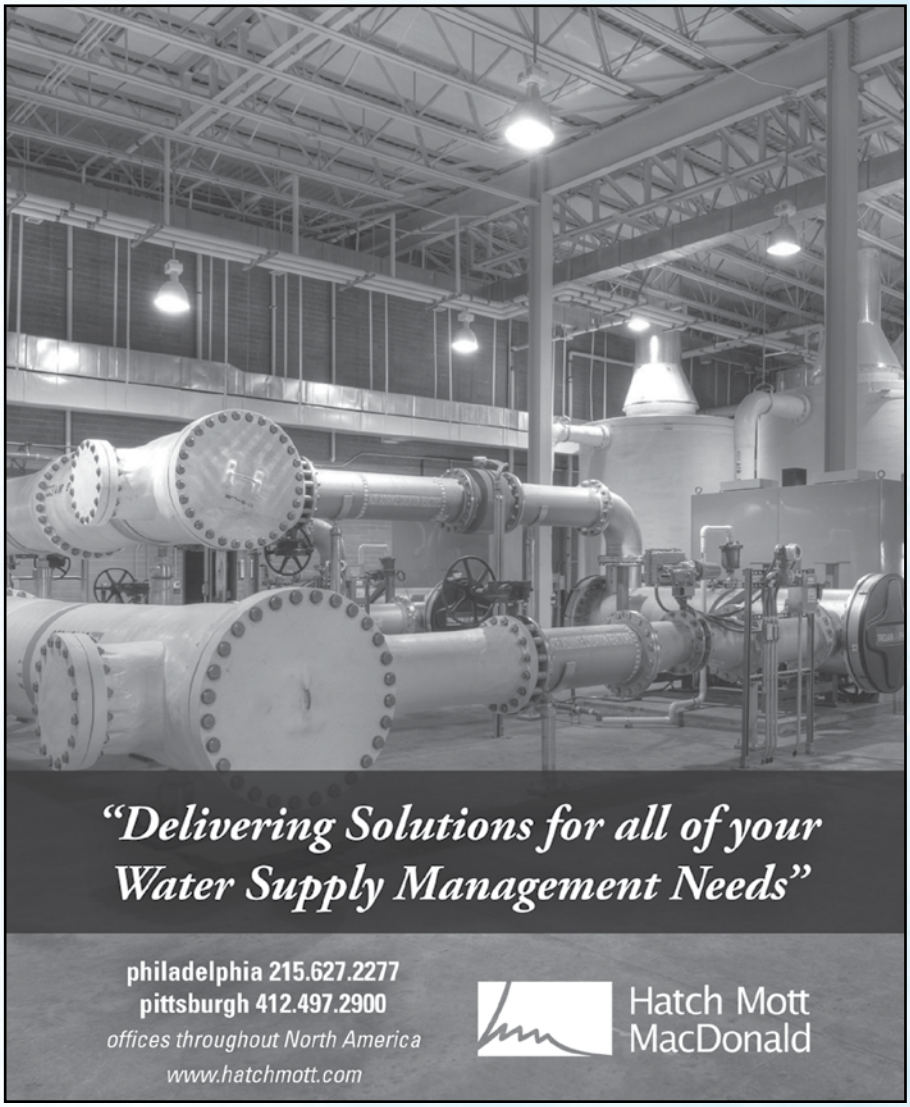
Douglas Komandt

Douglas Komandt was officially selected as the PA Section's Vice-Chair at the Section's Annual Conference in Hershey. Doug is the Comptroller for the Wilkinsburg-Penn Joint Water Authority in Wilkinsburg. He has been with WPJWA since 2008 and prior to that was Commercial Superintendent for the Municipal Authority of Westmoreland County for nearly 16 years. He is a licensed Certified Public Accountant in the states of Pennsylvania and Ohio.

Doug is a member of the Government Financial Officers Association, Pennsylvania Institute of Certified Public Accountants and the Ohio Institute of Certified Public Accountants. He has been actively involved with PA-AWWA since 2009 and served as Chair of SW District Planning Committee for 2011-2012 year.

Doug has been active in the community as a Rotary Club Treasurer, Assistant Scout Master with Troop 208 in Murrysville and as a basketball coach for both of his children, Doug lives in Murrysville, Westmoreland County with his wife Sharon. He has two children, Doug, a project engineer living in Appleton, WI, and Mary a first year Pharmacy Student at Ohio Northern University.

Special thanks to Charlie Liu, Don Hershey, George Hart, Mike Brown, Christine Gunsaullus and Suzanne Ciabola for their photographic coverage of the conference.



First Annual Tank Building Contest is a 'soaking success'

By Christine Gunsaullus, Mumford-Bjorkman Associates (Event Organizer)

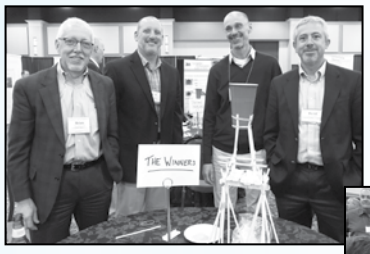
The First Annual Tank Building Contest at this year's PA-AWWA Conference was a soaking success! Presented by the Young Professionals, and sponsored by MBA, Christine Gunsaullus and Suzanne Ciavola organized 10 teams of nimble fingered water professionals and students, who had 30 minutes to construct an elevated water tank out of basic office supplies, which could also hold 8 ounces of water for 30 seconds.

The competition was fierce, as two student teams, *The Tartan Dragons* and *Prof. X*, took on more seasoned teams, including: *We Got Tanked*, a Tank Dream Team with nearly 80 years of experience; the *Old Professionals*, who were desperate for the $100 cash prize; and the *Red Cups*, led by AWWA Officers Gene Koontz and Jim Chaffee, who reached for the sky with the tallest tank.

The Winners, a last-minute team from Buchart Horn and the Columbia Water Company, crafted a masterful two-tiered tank, standing 24.25" tall. But five other tanks stood taller — would it be tall enough?

One by one, the remaining tanks were water tested, but all crashed and splashed, leaving the Winners as, well, the winners! Brian Funkhouser, David Lewis, Dan Cargnel, and Scott Russell generously donated their prize money to *Water for People*. The Biggest Splash, as determined by crowd applause, oooooohs and ahhhhs, and Steve Riley's wet jacket, went to the *Entech Leaky Buckets* (Steve Riley, John Brady, Lori Burkert, and guest from Dixon Engineering, Shannon Vidika), who all earned Splash t-shirts.

Congratulations to all participants, who had the guts to put their reputations on the line, and provided the crowd with enormous entertainment.



The winning team of (left to right) Brian Funkhouser, Scott Russell, Dan Cargnel, and Dave Lewis generously donated their prize money to Water for People.

The Red Cups team consisted of (left to right) Gene Koontz, Gannett Fleming; Jeff Hines, York Water Co., and Jim Chaffee, AWWA Past President.

Concentrating on construction of their tank are (left to right) George Hart, Bankson Engineers; Jere Troutman, Millersburg Area Authority; and Jeff Golding, Gannett Fleming; members of the Old Professionals team.

The Entech Leaky Buckets (left to right): Christine Gunsaullus, contest organizer with Mumford-Bjorkman Associates; Lori Burkert, Steve Riley, both of Entech Engineering; Shannon Vidika, a guest from Dixon Engineering; and John Brady, Entech Engineering.

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See you next year at the PA Section's 68th Annual Conference at the Bethlehem Sands Casino, May 10-12, 2016.

2015 Water System Optimization Conference Schedule

WEDNESDAY – OCTOBER 28, 2015

Morning: *Opening Session TBD*

Afternoon: *Partnership for Safe Water – 20 Years of Optimization*

1:00 – 1:30pm **Got Buy-In?** Kevin Linder (Aurora Water)

1:30 – 2:15pm **Three Keys to Success**, David Hardy (Central Utah Water Conservancy District)

2:15 – 2:45pm **Turbidity Data Integrity – Overview and Real-World Implications**, Alison Dugan (USEPA) and Bill David (Process Applications, Inc.)

2:45 – 3:00pm **Networking Break**

3:00 – 3:30pm **Case Study – Success Stories from the Self-Assessment at Denver Water's Moffat Water Treatment Plant,** Andrea Song (Denver Water)

3:30 – 4:00pm **Our Utility is a New Partnership Award Winner – Now What?** Tom Schippert (AWWA) and Amy Wilson (Beaver Water District)

4:00 – 4:30pm **PEXEP – 15 Years of Excellence,** Alain Lalumiere (Reseau Environnement) and Barb Martin (AWWA)

4:30 – 5:00pm **The Value of the Partnership for Safe Water to PA Dept. of Environmental Protection,** Kevin Anderson (PA DEP)

THURSDAY – OCTOBER 29, 2015

Treatment Track: *Operational Excellence – Case Studies and Lessons Learned from Phase IV Utilities*

8:30 – 9:00am **Starting with the End in Mind**, Kevin Linder (Aurora Water)

9:30 – 10:00am **Creating Treatment Optimization Framework and Culture,** Chris Bobay (Louisville Water Company)

9:30 – 10:00am **Using a Pilot Plant to Perform Treatment Optimization**, April Nabors (Water Works Board of the City of Birmingham)

10:00 – 10:30am **Networking Break**

10:30 – 11:00am **Overcoming Complacency using Optimization Goal Setting,** Michael Barsotti (Champlain Water District)

11:00 – 11:30am **Water Treatment Forensics to meet your Full Zeta Potential,** Michael Rau (Central Utah Water Conservancy District)

11:30am – 12:00pm **Maintaining a Culture of Excellence,** David Miller (Manchester Water Works)

Distribution Track: *Field Reports from the Distribution System*

8:30 – 9:00am **Surviving Fire, Flood, and the Partnership for Safe Water Self-Assessment,** Andrea Schweitzer (Fort Collins Utilities)

9:30 – 10:00am **THM Removal by Water Spray – Tank Top Results,** Thomas Clark (Monroe County Water Authority)

9:30 – 10:00am **Distribution Optimization – Achieving Professional Operations,** Jeffrey Maccarella and Aaron Balliet (American Water Military Services)

10:00 – 10:30am **Networking Break**

10:30 – 11:00am **Maintaining Louisville Water Company's Best Tasting Tap Water,** Vincent Monks (Louisville Water Company)

11:00 – 11:30am **Free Chlorine and Chloramine Optimization in a Consecutive System: A Lesson in the Multi-Parameter Approach,** Laura Blood (PA DEP)

11:30am – 12:00pm **Philadelphia Water Department's Non-Traditional Self-Assessment** , Dennis O'Connor (Philadelphia Water Dept.)

THURSDAY AFTERNOON TREATMENT TRACK

Part I – "Doing the Simple Exceedingly Well"

1:30 – 2:00pm **Improving Water Treatment Plant Performance – Tools for Water Treatment Plants to Achieve Optimization**, Michael Grimm (Aquamize)

2:00 – 2:30pm **Pre-Oxidation to Improve Filter Performance**, Brad Zachman (Aurora Water)

2:30 – 3:00pm **ESTW: Applications and Lessons Learned**, Tom Waters (USEPA)

3:00 – 3:30pm **Networking Break**

Part II – Innovations in Treatment Optimization

3:30 – 4:00pm **Optimizing Membrane Filtration Using the Revised Self-Assessment Guide**, Ed Chescattie (PA DEP)

4:00 – 4:30pm **The Integration of Smart Device Technology into Instrumentation to Optimize Plant Performance**, Michael Sadar (Tintometer)

4:30 – 5:00pm **Floc Characterization: The Missing Link**, Tyson Ingels (CDPHE)

THURSDAY AFTERNOON DISTRIBUTION TRACK

Part I – Tools & Techniques for Distribution System Optimization

1:30 – 2:00pm **Distribution System Tank Monitoring and Water Quality**, Paul Handke (Red Valve)

2:00 – 2:30pm **Water Quality Monitoring and Nitrification Control in Chloraminated Distribution Systems**, Matthew Alexander (USEPA)

2:30 – 3:00pm **Aligning System Performance, Energy Efficiency, and Water Quality: Case Studies in Optimization**, Rob Sowby (Hansen, Allen & Luce)

3:00 – 3:30pm **Networking Break**

Part II – Distribution Systems: A Look Ahead

3:30 – 4:00pm **Preparing for Revisions to the Revised Total Coliform Rule,** Keith Cartnick (United Water)

4:00 – 4:30pm **Control of Naegleria fowleri in Drinking Water Distribution Systems,** Jennifer Clancy (Corona Environmental)

4:00 – 4:30pm **Premise Plumbing: Research Issues for Utilities**, Kim Linton (Water Research Foundation)

FRIDAY – OCTOBER 30, 2015

Treatment Track: Treatment Plant Optimization Tools

8:00 – 8:30 am **Online Monitoring of Dissolved Oxygen for Manganese Control in Water Treatment,** Vadim Malkov (Hach Company)

8:30 – 9:00am **Optimizing the Operation of Gravity Media Filters**, Tom Getting (Xylem)

9:00 – 9:30am **Fluorescence Enhanced Treatment Process Optimization**, Christopher Miller (University of Akron)

9:30 – 10:00am **Process Optimization using Online Continuous Zeta Potential Monitoring**, Ana Morfesis (Malvern Instruments)

10:00 – 10:30am **Real World Applications of Using Dynamic Simulation Software to Optimize Water Treatment Plant Process Operations**, Matthew Ridens (CH2MHill)

Distribution Track: Distribution System Optimization Tools

8:00 – 8:30am **High Frequency Real Time Data from Online THM Monitors Lead to More Cost Effective THM Remediation Solutions**, Tom Williams (Aqua Metrology)

8:30 – 9:00am **Use of Main Break Data for Better System Management and Operation**, Michael Brown (Gannett Fleming)

9:00 – 9:30am **Mixers and Aeration Systems: Do these Affect my Tanks?** Christine Gunsaullus (MBA)

9:30 – 10:00am **DBP Removal and Control in Distribution Systems**, Dr. Yuefeng Xie (Pennsylvania State University, Harrisburg)

10:00 – 10:30am **Planning a Flushing Program**, Tom Walski (Bentley Systems)

10:00 – 10:30am **Networking Break** (Both Tracks)

Closing Session: The Optimization Journey Continues

11:00am – 12:00pm **Panel Discussion with Partnership Staff and Subscribers (Both Tracks)**

2015 Water System Optimization Conference

Celebrating the 20th anniversary of the Partnership for Safe Water® program

The Hershey Lodge ~ Hershey, PA October 28—30, 2015

Sponsors will be recognized on: the Partnership and Section Services web page, PA-AWWA's Water News Source newsletter, PA-AWWA's web site, Partnership web page, newsletter and at the conference. **Deadline: September 18, 2015.**

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2015 Water System Optimization Conference / October 28-30, 2015 — Registration Form

Conference Attendee Information

NAME _____ TITLE _____

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EMAIL _____ AWWA Member # _____

Optional Demographic info (check any that apply) CLIENT ID (PA Only) # _____

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Please check appropriate box

❑ Regulator
❑ Manager
❑ Consultant
❑ Operator
❑ Vendor

SECTION I-CONFERENCE SELECTION

Full Conference

Partnership Member:___	$225
Non-Partnership Member:___	$275
Small System(<3,300) ___	$200
Government Agency ____	$150
Speaker Fee ____	$100

One Day – WED❑ THUR❑ FRI❑

Partnership Member: ____	$100
Non-Partnership Member: _____	$115
Small System (<3,300): ____	$115
Government Agency ____	$ 75

Exhibitor
$500 includes one attendee_____

Sponsorship Opportunity

Gold: $1,000 ____ Includes: 1 Exhibitor Booth
Silver: $500 ____
Bronze: $300 ____

- **Guest** ____ $50
  Spouse or Child (12 yrs. old or younger, no fee)

Name: _____

Subscribe to the Partnership ☐ First year -10% or $50 discount (whichever greater) for new subscribers attending conference

SECTION I Subtotal

$_____

SECTION II—SPECIAL EVENT FEES

Wednesday

Lunch	$ 40.00	x _____	=	$ _____
Wednesday Evening Event Meet and Greet—Cocoa Terrace *Food and Beverages from 5 pm to 7 pm*	$ 40.00	x _____	=	$ _____

Thursday

Lunch	$ 40.00	x _____	=	$ _____
Social Event at the Iberian Lounge Hershey Hotel *Food and Beverages from 6 pm to 8pm*	$ 40.00	x _____	=	$ _____

Conference Location:
Hershey Lodge
325 University Drive
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SECTION II Subtotal

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REGISTRATION & PAYMENT / Deadline October 1, 2015 - late fee $25.00

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New Members Spring 2015

Tim Bauman, *The Sherwin Williams Company*

Eric Beringer, *Pennsylvania American Water*

Sarah Bolenbaugh, *Hatch Mott Macdonald*

Chris Coughlan, *Prominent Fluid Controls, Inc.*

Samantha Eiden

Mike German, *Lehigh University*

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BUSINESS MEMBER

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PAW donates $35,000 for community-based watershed projects

Pennsylvania American Water announced recently that seven watershed initiatives across the state have earned financial support through the company's 2015 Environmental Grant Program. The recipients will receive a share of grant funds totaling approximately $35,000 for their community-based projects that improve, restore or protect watersheds.

A panel of judges selected the grant recipients from nearly 40 applications, which were evaluated on such criteria as environmental need, innovation, community engagement and sustainability.

"We are pleased and inspired by the organizations' commitment to environmental stewardship and how the winning projects will generate enthusiasm and volunteerism in our communities," said Kathy L. Pape, president, Pennsylvania American Water. She noted that the Environmental Grant Program is in its 11th year supporting local watershed improvement projects across the Commonwealth.

The winning Environmental Grant projects are as follows:

Habitat for Humanity, Washington County

The grant will be used to reduce stormwater runoff at a Habitat for Humanity construction site. The project includes installing rain gardens and native plants in the landscaping to absorb and reduce stormwater runoff into a tributary of Chartiers Creek.

Keystone College, Lackawanna County

The project aims to identify the impact of a declining population of Eastern Hemlock trees on the watershed, as well as implement best practices in landscaping and stream restoration to protect the South Branch of Tunkhannock Creek.

Montgomery County Conservation District

The organization will use the funding to develop permanent displays on watershed stewardship and water quality at Norristown Farm Park. The displays will be integrated into the county's educational programs at the park.

Economic Development South, Allegheny County

With the funding, the organization will develop a Saw Mill Run Watershed Stewards Program, a volunteer program to connect citizens to issues affecting the watershed. The group will also launch a mobile application allowing users to report water quality issues in the watershed.

Columbia County Conservation District

The grant will fund a water education program for eight-grade students across the county. Students will learn about the history of Briar Creek Lake, as well as learn about groundwater, watersheds and wetlands.

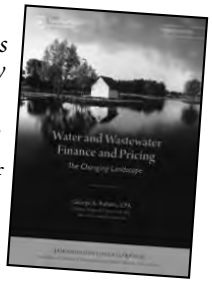
Brandywine Valley Association, Chester County

The organization will use the funding to develop environmental educational programs for students in the Coatesville Area School District. Children will gain a better understanding of the watershed and learn stewardship practices to sustain the quality of the community's water resources.

Dunmore Historical Society, Lackawanna County

With the grant, the organization will renew and enhance three existing butterfly gardens and provide soil erosion protection through plantings at the Dunmore #1 Reservoir.

Water, Wastewater Finance and Pricing book provides useful guidance to utility managers



Prepared by: *George Raftelis, CPA; Raftelis Financial Consultants, Inc.; and Other Industry Experts*

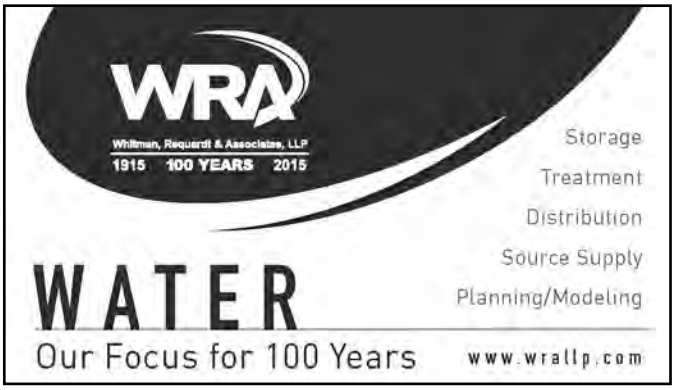
Commentary by: *David LaFrance, Executive Director of the American Water Works Association and Ken Kirk, Executive Director of the National Association of Clean Water Agencies*

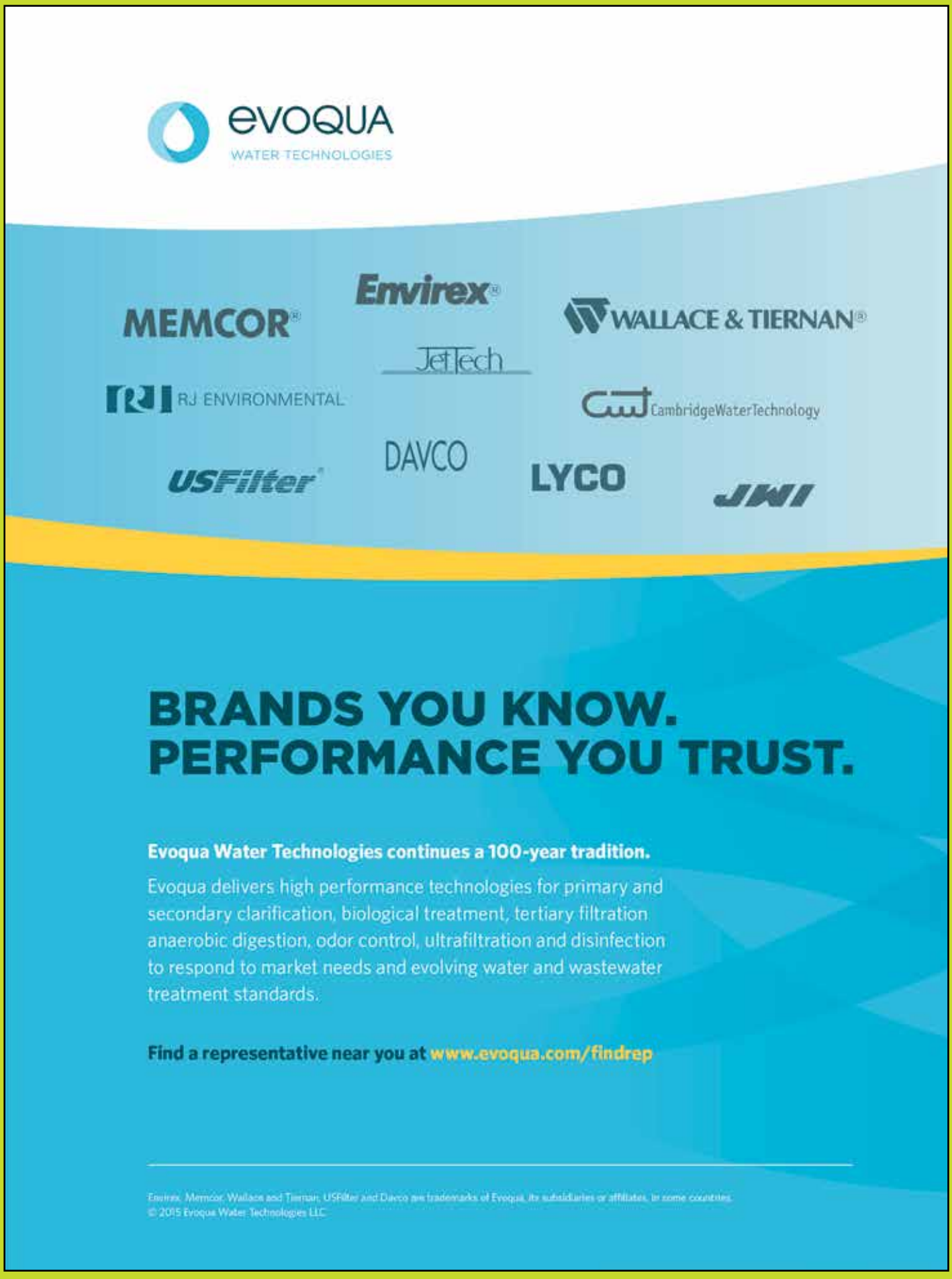
Water and Wastewater Finance and Pricing: The Changing Landscape, Fourth Edition is a financial management guide for utility managers and executives, a compendium of best financial practices for utility financial leaders, a "how-to" guide for rate and finance technicians, and a reference point for policymakers.

Detailing utility financial plans and rate structures, and highlighting how they align with community sustainability goals and utility objectives, is a major focus of the Fourth Edition. Authored and reviewed by numerous financial leaders and executives in the water, wastewater, and stormwater industries, the book tackles complex financial management and pricing challenges confronting these industries.

Water and Wastewater Finance and Pricing: The Changing Landscape, Fourth Edition is geared toward professionals assigned to develop water and wastewater financial plans and rates; senior managers with the responsibility for the long-term financial sustainability of the utility; investors and agencies evaluating the financial strength of utilities; engineers/consultants planning water and wastewater facilities; academics teaching financial and pricing principles as a part of public policy curriculum; regulators needing to understand the financial viability of utilities under their purview; and policy makers desiring to support effective financial and rate plans for their constituencies.

For more information on the book, please visit: www.crcpress.com/product/isbn/9781466577305 or contact George Raftelis at graftelis@raftelis.com.

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- Emergency Preparedness & Security Issues

Topics are subject to change.

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